Field Sampling Summary Report

For

Queens Botanical Garden Education Building New Construction

43-50 Main Street

Queens, New York

CEQR # 23CLA002Q

NYCDDC PROJECT NO. PV272EDUC

TASK ID NO. 2024OEHS1404-01

WORK ORDER NO. OEHS-20248803586-WOL-0032

CONTRACT REGISTRATION NO. 20248803586

Prepared for:

Office of Environmental and Hazmat Services
30-30 Thomson Avenue, Third Floor
Long Island City, New York 11101

Prepared by:

LiRo Engineers, Inc.
703 Lorimer Street
Brooklyn, New York 11211

PROJECT NO. 24-165-0265

January 9, 2025

TABLE OF CONTENTS

1.0 INTRODUCTION 1
1.1 PROJECT DESCRIPTION 1
2.0 Field activities 2
2.1 GEOPHYSICAL SURVEY 2
2.2 SOIL QUALITY INVESTIGATION 2
2.3 ANALYTICAL RESULTS 3
3.0 CONCLUSIONS AND RECOMMENDATIONS 5

Figures
1 Topographic Site Location Map
2 Site Plan
3 Sample Location Plan

Tables
1 Summary of Environmental Boring Data
2 Summary of Target Compound List (TCL) Volatile Organic Compounds (VOCs) Detected in Soil
3 Summary of TCL Semi-volatile Organic Compounds (SVOCs) Detected in Soil
4 Summary of Target Analyte List (TAL) Metals Detected in Soil
5 Summary of Pesticides Detected in Soil
6 Summary of Polychlorinated Biphenyls (PCBs) Detected in Soil
7 Summary of Waste Characterization in Soil

Appendices
A Geologic Boring Logs
B Laboratory Analytical Results

1.0 INTRODUCTION

On behalf of the New York City Department of Design and Construction (NYCDDC), LiRo Engineers, Inc. (LiRo) prepared this Field Sampling Summary Report (FSSR) for the Queens Botanical Garden (QBG) Education Building New Construction project (NYCDDC Project Number PV272EDUC) which consisted of a Combined Phase I Environmental Site Assessment (ESA) and Phase II Environmental Subsurface Investigation (ESI). QBG is located at 43-50 Main Street in the Flushing section of Queens, New York. The QBG New Construction project area (herein referred to as the "Site") measures approximately 49,130 square feet (1.1 acres) of the approximately 39-acre QBG. While the Combined Phase I ESA and Phase II ESI report (January 2025 completion pending) included soil, groundwater, and soil vapor sampling, this FSSR only documents field sampling activities associated with soil sampling including the advancement of soil borings, the screening of soils, and the collection and analysis of soil samples.

1.1 Project Description

The Site is approximately 49,130 square feet (1.1 acres) of the approximately 39-acre QBG. The proposed construction activities for the Site consist of a new Education Building to expand its current capacity for educational programing. The building will add six new teaching spaces, including four classrooms, a teaching kitchen, and a teaching greenhouse where educators will be able to grow and maintain plants for educational purposes. In proximity to outdoor spaces well-used by the education program, the new building will serve school groups, families, after school clubs, adults, and seniors. The proposed project will also include restrooms and information for visitors, to those exploring the immediate environs as well as other aspects of the QBG. The Site is identified on Figures 1 and 2.

According to the QBG website, the park evolved from the five-acre "Gardens on Parade" exhibit showcased at the 1939-1940 New York World's Fair and then officially opening as "The Queens Botanical Garden Society" in 1946 after local residents saved and expanded the original exhibit. The Garden remained at the original World's Fair site until 1961, when it was moved to its current location on Main Street in Flushing. QBG has become a 39-acre park consisting of exterior gardens, walkways, and an expansive meadow area. QBG occupies Block 5107, Lot 200, and is bounded by Main Street to the east; Elder Avenue, 133rd Street, and Booth Memorial Avenue to the south; College Point Boulevard to the west; and, Blossom and Dahlia Avenues and Crommelin Street to the north.

The Site is situated in an area characterized by parkland and residences.

The QBG Education Building New Construction project is subject to New York City Department of Environmental Protection (NYCDEP) review under City Environmental Quality Review (CEQR).

To address the Recognized Environmental Conditions (RECs) identified within the Phase I ESA portion of the combined report, the Phase II ESI was completed. LiRo completed the subsurface investigation between November 25 and December 6, 2024. A summary of the field activities that involved the soil sampling are included in Section 2.0.

2.0 FIELD ACTIVITIES

The Phase II ESI field activities included the following with respect to soil sampling between November 25 and December 6, 2024.

- Geophysical survey to investigate the potential presence of on-site underground storage tanks (USTs) and to clear locations of proposed borings from subsurface structures and utilities;
- During the geophysical survey, an anomaly indicative of a UST was identified in the area of proposed boring SB-06. As a result, three additional soil borings were advanced at the Site;
- The advancement of 25 borings (SB-01 through SB-25) to terminal depths ranging from 8 to 10 feet below ground surface (ftbg) and the collection of two grab samples from each boring and one composite sample each from SB-01, SB-08, SB-17, SB-20, SB-22, and SB-24;
- One grab sample was collected from 0 to 2 ftbg within each of the 25 soil borings along with a second grab soil sample from the 6-inch interval at the bottom of the boring within 24 of the 25 soil borings. The second grab soil sample within SB-01 was collected from 5.5-6.0 ftbg due to what was believed to be the 6-inch interval about the groundwater level. However, it was later determined that this was perched groundwater.
- Laboratory analysis of the grab soil samples for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), Target Analyte List (TAL) Metals, pesticides, and polychlorinated biphenyls (PCBs). Laboratory analysis of the composite soil samples for Total Petroleum Hydrocarbons (TPHC) Diesel Range Organics (DRO)/Gasoline Range Organics (GRO), Resource Conservation and Recovery Act (RCRA) Characteristics, and, Toxicity Characteristic Leaching Procedure (TCLP) RCRA Metals;

2.1 Geophysical Survey

A geophysical survey was performed on November 25, 2024, by Associated Environmental Services, Limited (AES) of Hauppauge, New York. The geophysical survey was performed to identify areas of potential USTs and whether proposed soil boring locations conflict with subsurface structures or utilities. A 5-foot by 5-foot area was cleared for each proposed boring location.

Based on this geophysical survey, an anomaly which is suspected to be a UST was discovered in the area of SB-06. As a result, three additional soil borings (SB-23 through SB-25) were advanced in the area surrounding the suspect UST. The geophysical survey did not identify any other subsurface structures or utilities which resulted in the remaining proposed soil borings being relocated.

2.2 Soil Quality Investigation

A soil sampling program was conducted as part of this Phase II ESI. Soil samples were collected to assess if potential environmental concerns exist that may impact subsurface conditions at the Site and affect the suitability of the Site for proposed development. Figure 3 presents the soil sample locations.

As part of this Phase II ESI, subsurface soil sampling was performed between November 25 and December 6, 2024. AES was the drilling contractor. Direct push drilling methods utilizing a GeoProbe rig were used to retrieve soil samples from the borings using 5-foot long and 3-foot long, 2-inch diameter Macro Core samplers lined with acetate sleeves that were advanced continuously from grade to the terminal depth of the soil boring. Prior to direct push advancement, borings were cleared to a depth of 6

ftbg using a post hole digger, hand auger, and/or air knife. A description of the soils retained in each GeoProbe sampler was logged by a qualified scientist, and the soils were monitored in the field for the presence of VOCs with a photo-ionization detector (PID). The maximum PID responses for the corresponding borings are shown on Table 1.

Each of the 25 soil borings was advanced to terminal depths ranging from 8 to 10 ftbg. The boreholes were backfilled with drill cuttings and patched to match the surrounding materials. The soil samples were collected, properly cooled and packaged to prevent breakage, and forwarded via courier to Hampton-Clarke, Inc. (HC) of Fairfield, New Jersey, which is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory (No. 11408). Standard chain-of-custody procedures were followed.

Twenty-five soil borings (SB-01 through SB-25) were advanced to characterize the subsurface and environmental conditions at the Site. Two grab samples were collected from each boring. One composite soil sample was taken each from SB-01, SB-08, SB-17, SB-20, SB-22, and SB-24. The composite samples were collected by taking soil retrieved with the Macro Cores and mixing them in stainless steel bowls using stainless steel utensils. Soil was composited in the six samples from 0 ftbg to the terminal depth of the boring. The bowls and utensils where then decontaminated using a deionized water and Alconox soap bath and then rinsed with deionized water.

In order to evaluate the subsurface soil, laboratory analytical results were compared with the regulatory standards identified in: (1) NYSDEC Subpart 375-6: Remedial Program Restricted-Use Restricted Residential (Track 2) Soil Cleanup Objectives (SCOs); and/or, (2) Toxicity Characteristic Regulatory Levels for Hazardous Waste published in RCRA and Title 6 of the New York Codes, Rules and Regulations (NYCRR) Part 371.

Field Screening
Field screening (i.e., PID readings and visual and olfactory observations) identified impacted soils in one soil boring (SB-19) at the bottom 6-inches of the boring (depth of 9.5 ftbg) with a petroleum odor and a PID reading of 54 parts per million (ppm). No other borings reported PID readings or visual/olfactory evidence of impacts. Soil boring logs are presented in Appendix A. The laboratory analytical results are presented in Appendix B.

2.3 Analytical Results

Analytical laboratory results indicated that the following exceedances were identified in the soil.

- SVOCs including benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz[a,h] anthracene, and/or indeno(1,2,3-cd)pyrene, were detected at concentrations above their corresponding Part 375 Restricted Use Restricted-Residential SCOs in samples SB-05-0-2.0-DUP, SB-12-9.5-10.0, SB-13-0-2.0, SB-15-0-2.0, SB-15-7.5-8.0, SB-16-0-2.0, SB-17-7.5-8.0, SB-21-7.5-8.0, SB-22-0-2.0, SB-23-0-2.0, and SB-24-0-2.0. The detected SVOCs are all Polycyclic Aromatic Hydrocarbons (PAHs) which are typical of urban fill material.
- TAL metals, including arsenic, barium, copper, lead, and/or mercury, were detected at concentrations above their corresponding Part 375 Restricted Use Restricted-Residential SCOs in SB-01-0-2.0, SB-01-5.5-6.0, SB-02-0-2.0, SB-02-0-2.0-DUP, SB-05-0-2.0, SB-5-0-2.0-DUP, SB-0-6-7.5-8.0, SB-13-0-2.0, SB-14-9.5-10.0, SB-15-7.5-8.0, SB-17-7.5-8.0, SB-18-0-2.0, SB-19-0-2.0, SB-19-9.5-10.0, SB-20-9.5-10.0, and SB-23-0-2.0. Based on their consistency, most of the detected concentrations are attributed to background levels. However, some of the detected concentrations may be attributed to contaminants in urban fill material.

- Six composite samples were analyzed for United States Environmental Protection Agency (USEPA) RCRA hazardous waste characteristics of corrosivity, ignitability, reactivity, toxicity, and TCLP metals. Lead was detected at a concentration above the RCRA standard within composite soil sample SB-24-COMP. This composite sample was collected from 0 to 10 ftbg and had a TCLP lead concentration of 5.3 milligrams per liter (mg/L), which exceeds the RCRA hazardous waste limit of 5 mg/L.

3.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the evaluation of Site observations and the laboratory analytical results, and a comparison to applicable regulatory standards, the following conclusions and recommendations are presented regarding soil conditions at the Site.

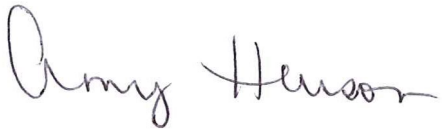
- The contract documents should identify provisions and a contingency for managing, handling, transporting, and disposing of any hazardous contaminated soils. The Contractor should be required to submit a Community Air Monitoring Plan (CAMP), an Environmental Health and Safety Plan (EHASP), and a Material Handling Plan (MHP) to identify the specific protocols and procedures that will be employed ensure the work is conducted in a manner that is protective of workers and the surrounding community and to manage the waste in accordance with applicable regulations;

- Laboratory analytical results indicated that composite soil sample SB-24 exhibited evidence of the hazardous waste characteristic for toxicity, as discussed above and identified in Table 7. Upon commencement of the soil disposal activities, the material shall be properly disposed of at a USEPA-approved RCRA-Part B Treatment, Storage, and Disposal facility (TSDF). Moreover, lithology indicates the presence of fill material in all soil borings; therefore, the TCLP lead and SVOC detections may be attributed to contaminants related to fill material; and,

- The soil pre-characterization results should be presented to disposal facilities for classification and acceptance in accordance with the individual facility permit requirements and State and Federal regulations.

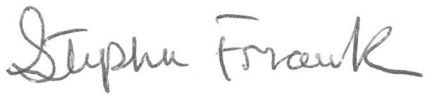
LiRo has prepared this FSSR for the QBG Education Building New Construction project in the Flushing Section of Queens, New York. The data presented and the opinions expressed in this report are qualified as stated in the attachment to this section of the report.

Report Prepared By:



Amy Hewson
Senior Environmental Scientist

Report Reviewed By:



Stephen Frank
Project Manager

STATEMENT OF LIMITATIONS

The data presented and the opinions expressed in this report are qualified as follows:

The sole purpose of the investigation and of this report is to assess the physical characteristics of the Site with respect to the presence or absence in the environment of oil or hazardous materials and substances as defined in the applicable state and federal environmental laws and regulations and to gather information regarding current and past environmental conditions at the Site.

LiRo derived the data in this report primarily from visual inspections, examination of records in the public domain, interviews with individuals with information about the Site, and a limited number of subsurface explorations made on the date indicated. The passage of time, manifestation of latent conditions or occurrence of future events may require further exploration at the Site, analysis of the data, and reevaluation of the findings, observations, and conclusions expressed in the report.

In preparing this report, LiRo has relied upon and presumed accurate certain information (or the absence thereof) about the Site and adjacent properties provided by governmental officials and agencies, the Client, and others identified herein. Except as otherwise stated in the report, LiRo has not attempted to verify the accuracy or completeness of any such information.

The data reported and the findings, observations, and conclusions expressed in the report are limited by the Scope of Services, including the extent of subsurface exploration and other tests. The Scope of Services was defined by the requests of the Client, the time and budgetary constraints imposed by the Client, and the availability of access to the Site.

Because of the limitations stated above, the findings, observations, and conclusions expressed by LiRo in this report are not, and should not be considered, an opinion concerning the compliance of any past or present owner or operator of the Site with any federal, state or local law or regulation. No warranty or guarantee, whether express or implied, is made with respect to the data reported or findings, observations, and conclusions expressed in this report. Further, such data, findings, observations, and conclusions are based solely upon site conditions in existence at the time of investigation.

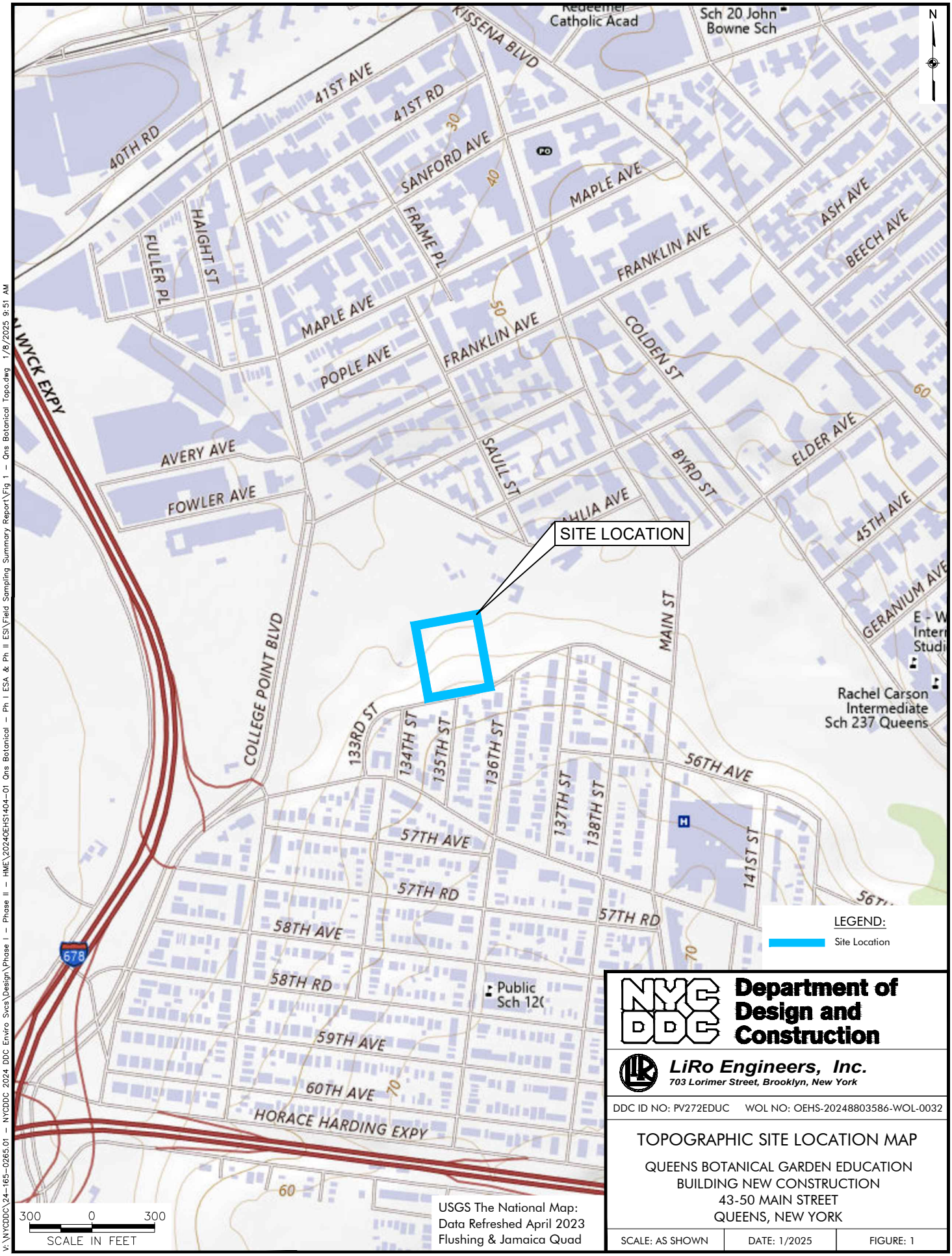
This report has been prepared on behalf of and for the exclusive use of the Client, and is subject to and issued in connection with the Agreement and the provisions thereof.

FIGURES
S

FIGURE 1 – TOPOGRAPHIC SITE LOCATION MAP

FIGURE 2 – SITE PLAN

FIGURES 3 – SAMPLE LOCATION MAP



Department of Design and Construction

LiRo Engineers, Inc.
703 Lorimer Street, Brooklyn, New York

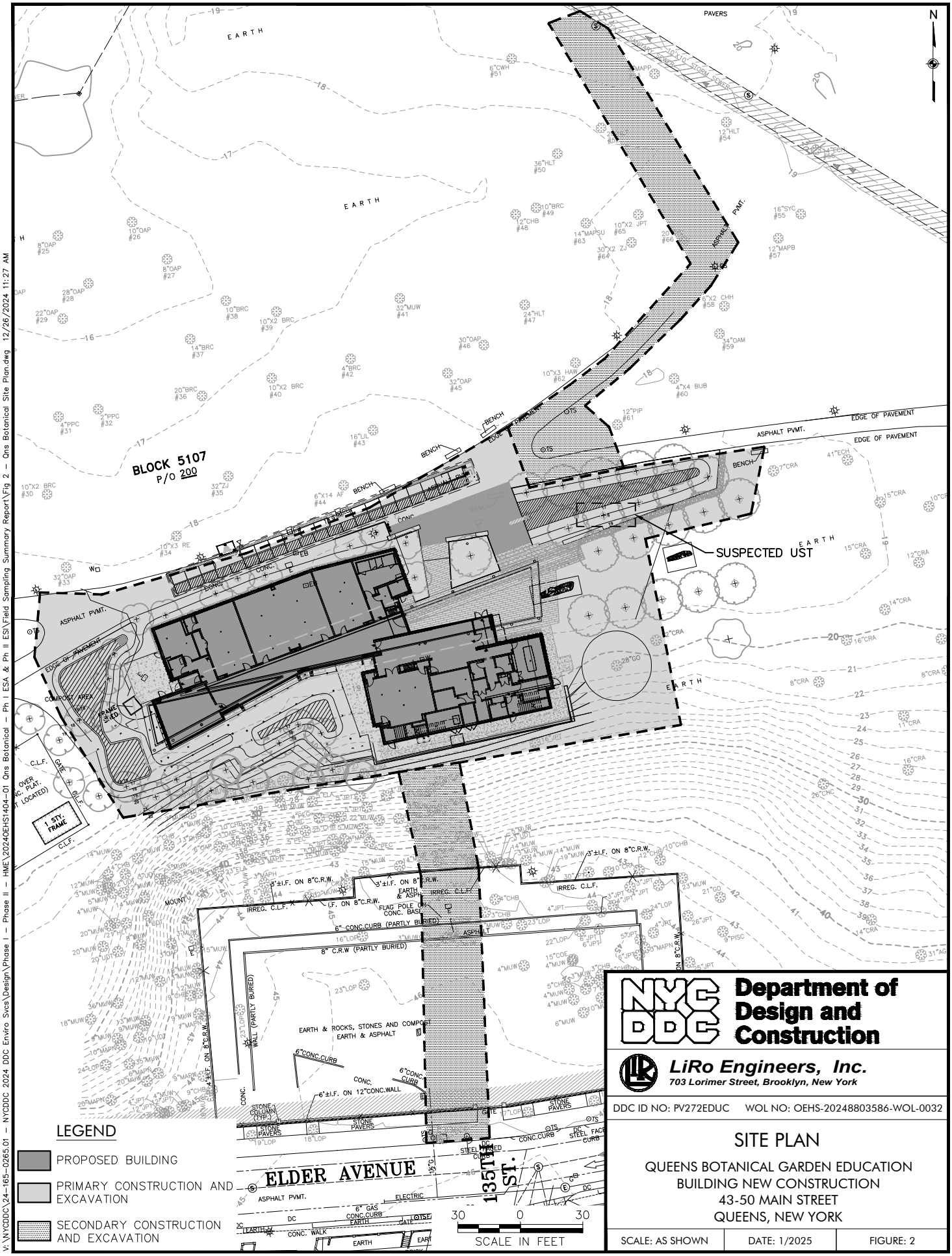
DDC ID NO: PV272EDUC WOL NO: OEHS-20248803586-WOL-0032

TOPOGRAPHIC SITE LOCATION MAP

QUEENS BOTANICAL GARDEN EDUCATION
BUILDING NEW CONSTRUCTION
43-50 MAIN STREET
QUEENS, NEW YORK

SCALE: AS SHOWN	DATE: 1/2025	FIGURE: 1

V:\NYCDDC\24-165-0265.01 – NYCDDC 2024 DDC Enviro Svcs\Design\Phase I – Phase II – HME\2024OEHS1404-01 Qns Botanical – Ph I ESA & Ph II ES\Field Sampling Summary Report\Fig 1 – Qns Botanical Topo.dwg 1/8/2025 9:51 AM



LEGEND

- PROPOSED BUILDING
- PRIMARY CONSTRUCTION AND EXCAVATION
- SECONDARY CONSTRUCTION AND EXCAVATION

Department of Design and Construction

LiRo Engineers, Inc.
703 Lorimer Street, Brooklyn, New York

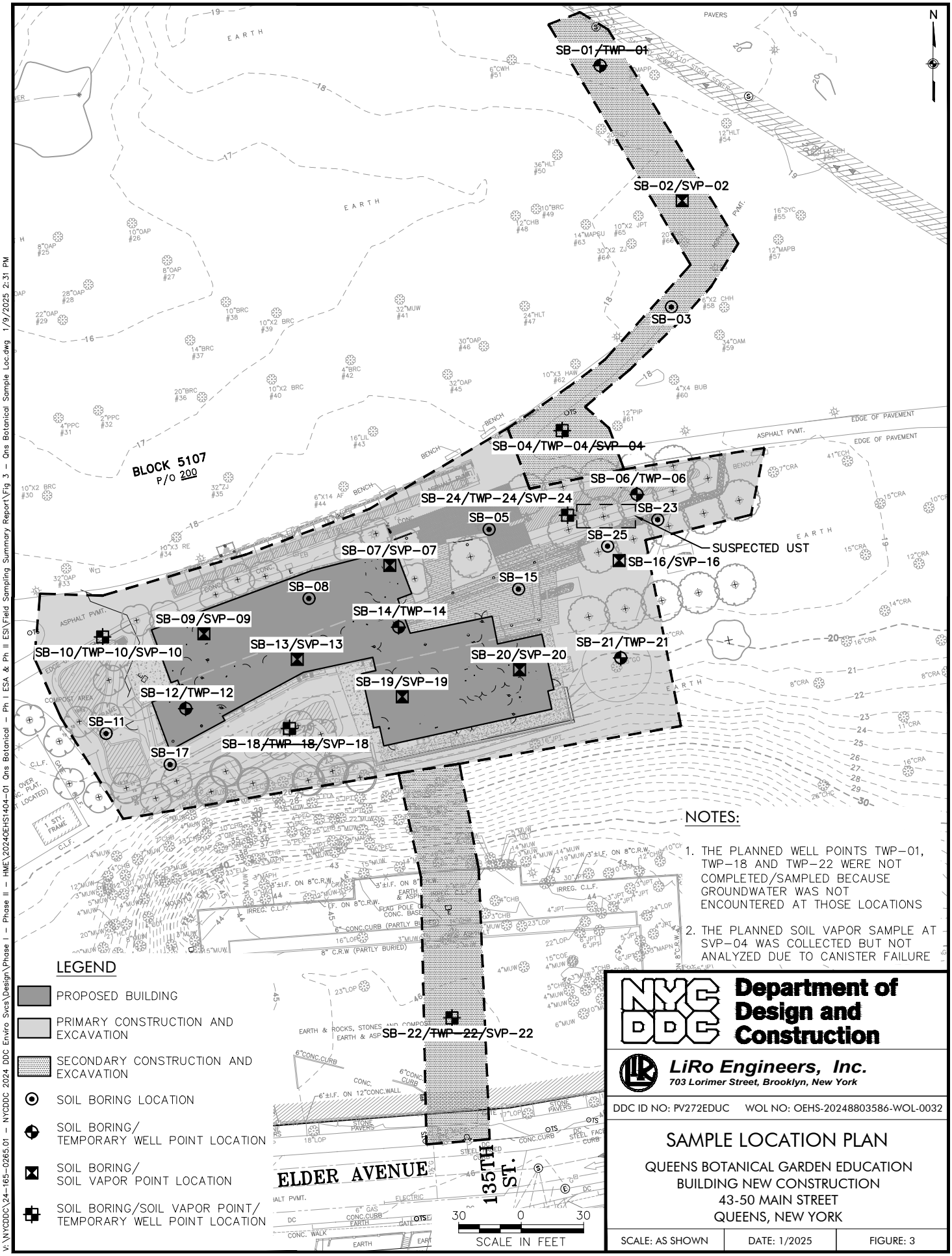
DDC ID NO: PV272EDUC WOL NO: OEHS-20248803586-WOL-0032

SITE PLAN

QUEENS BOTANICAL GARDEN EDUCATION BUILDING NEW CONSTRUCTION
43-50 MAIN STREET
QUEENS, NEW YORK

SCALE: AS SHOWN	DATE: 1/2025	FIGURE: 2

V:\NYCDDC\24-165-0265.01 - NYCDDC 2024 DDC Enviro Svcs\Design\Phase I - Phase II - HME\20240EHS1404-01 Qns Botanical - Ph I ESA & Ph II ES\Field Sampling Summary Report\Fig 2 - Qns Botanical Site Plan.dwg 12/26/2024 11:27 AM



NOTES:

1. THE PLANNED WELL POINTS TWP-01, TWP-18 AND TWP-22 WERE NOT COMPLETED/SAMPLED BECAUSE GROUNDWATER WAS NOT ENCOUNTERED AT THOSE LOCATIONS
2. THE PLANNED SOIL VAPOR SAMPLE AT SVP-04 WAS COLLECTED BUT NOT ANALYZED DUE TO CANISTER FAILURE

LEGEND

- PROPOSED BUILDING
- PRIMARY CONSTRUCTION AND EXCAVATION
- SECONDARY CONSTRUCTION AND EXCAVATION
- SOIL BORING LOCATION
- SOIL BORING/ TEMPORARY WELL POINT LOCATION
- SOIL BORING/ SOIL VAPOR POINT LOCATION
- SOIL BORING/SOIL VAPOR POINT/ TEMPORARY WELL POINT LOCATION

NYC DDC Department of Design and Construction

LiRo Engineers, Inc.
703 Lorimer Street, Brooklyn, New York

DDC ID NO: PV272EDUC WOL NO: OEHS-20248803586-WOL-0032

SAMPLE LOCATION PLAN

QUEENS BOTANICAL GARDEN EDUCATION BUILDING NEW CONSTRUCTION
43-50 MAIN STREET
QUEENS, NEW YORK

SCALE: AS SHOWN	DATE: 1/2025	FIGURE: 3

V:\NYCDDC\24-165-0265.01 - NYCDDC 2024 DDC Enviro Svcs\Design\Phase I - Phase II - HME\2024OEHS1404-01 Qns Botanical - Ph I ESA & Ph II ES\Field Sampling Summary Report\Fig 3 - Qns Botanical Sample Loc.dwg 1/9/2025 2:31 PM

TABLES

Table 1 - Summary of Environmental Boring Data

Table 2 - Summary of Target Compound List (TCL) Volatile Organic Compounds (VOCs) Detected in Soil

Table 3 - Summary of Target Compound List (TCL) Semi-volatile Organic Compounds (SVOCs) Detected in Soil

Table 4 - Summary of Target Analyte List (TAL) Metals Detected in Soil

Table 5 - Summary of Pesticides Detected in Soil

Table 6 - Summary of Polychlorinated Biphenyls (PCBs) Detected in Soil

Table 7 - Summary of Waste Characterization in Soil

Table 1. Summary of Environmental Boring Data

Boring No.	Sample ID	PID (ppm)	Sample Interval (ftbg)	Total VOCs (ug/kg)	Total SVOCs (ug/kg)	Metals Exceed (Yes/No)	Total PCBs (ug/kg)	Total Pesticides (ug/kg)	Depth to Water (ftbg)	Total Depth (ftbg)	Other Comments
SB-01	SB-01-0-2.0	0.0	0-2.0	ND	3,420	Yes	ND	120	Not encountered	6	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-01-5.5-6.0		5.5-6.0	ND	3,600	Yes	13	600			
	SB-01-COMP		0-6.0	NA	NA	NA	NA	NA			
SB-02	SB-02-0-2.0	0.0	0-2.0	ND	4,320	Yes	79	82	Not encountered	8	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-02-7.5-8.0		7.5-8.0	126	4,460	No	ND	49			
SB-03	SB-03-0-2.0	0.0	0-2.0	ND	2,895	No	12	86	Not encountered	8	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-03-7.5-8.0		7.5-8.0	202	ND	No	ND	ND			
SB-04	SB-04-0-2.0	0.0	0-2.0	ND	1,727	No	ND	110	*12	8	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-04-7.5-8.0		7.5-8.0	188	1,468	No	ND	ND			
SB-05	SB-05-0-2.0	0.0	0-2.0	ND	5,450	Yes	12	67	Not encountered	8	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-05-7.5-8.0		7.5-8.0	139	2,271	No	ND	ND			
SB-06	SB-06-0-2.0	0.0	0-2.0	ND	4,052	No	52	ND	*12	8	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-06-7.5-8.0		7.5-8.0	149	5,284	Yes	ND	ND			
SB-07	SB-07-0-2.0	0.0	0-2.0	ND	4,720	No	5	39	Not encountered	10	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-07-9.5-10.0		9.5-10.0	170	970	No	ND	ND			
SB-08	SB-08-0-2.0	0.0	0-2.0	ND	3,240	No	13	ND	Not encountered	10	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-08-9.5-10.0		9.5-10.0	286	5,140	No	ND	67			
	SB-08-COMP		0-10.0	NA	NA	NA	NA	NA			
SB-09	SB-09-0-2.0	0.0	0-2.0	ND	599	No	ND	ND	Not encountered	10	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-09-9.5-10.0		9.5-10.0	946	1,550	No	ND	ND			
SB-10	SB-10-0-2.0	0.0	0-2.0	33	4,664	No	11	ND	*12	8	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-10-7.5-8.0		7.5-8.0	110	1,425	No	ND	ND			
SB-11	SB-11-0-2.0	0.0	0-2.0	28	2,576	No	5	ND	Not encountered	8	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-11-7.5-8.0		7.5-8.0	74	ND	No	ND	ND			
SB-12	SB-12-0-2.0	0.0	0-2.0	46	5,770	No	17	46	*12	10	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-12-9.5-10.0		9.5-10.0	70	12,470	No	ND	ND			
SB-13	SB-13-0-2.0	0.0	0-2.0	ND	7,710	Yes	11	ND	Not encountered	10	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-13-9.5-10.0		9.5-10.0	53	1,936	No	ND	55			
SB-14	SB-14-0-2.0	0.0	0-2.0	ND	4,160	No	12	ND	*12	10	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-14-9.5-10.0		9.5-10.0	88	2,108	Yes	ND	37			
SB-15	SB-15-0-2.0	0.0	0-2.0	ND	7,190	No	8	41	Not encountered	8	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-15-7.5-8.0		7.5-8.0	68	9,490	Yes	ND	ND			

Table 1. Summary of Environmental Boring Data

Boring No.	Sample ID	PID (ppm)	Sample Interval (ftbg)	Total VOCs (ug/kg)	Total SVOCs (ug/kg)	Metals Exceed (Yes/No)	Total PCBs (ug/kg)	Total Pesticides (ug/kg)	Depth to Water (ftbg)	Total Depth (ftbg)	Other Comments
SB-16	SB-16-0-2.0	0.0	0-2.0	ND	10,410	No	22	39	Not encountered	8	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-16-7.5-8.0		7.5-8.0	239	1,020	No	ND	ND			
SB-17	SB-17-0-2.0	0.0	0-2.0	38	4,094	No	24	ND	Not encountered	8	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-17-7.5-8.0		7.5-8.0	178	5,646	Yes	ND	ND			
	SB-17-COMP		0-8.0	NA	NA	NA	NA	NA			
SB-18	SB-18-0-2.0	0.0	0-2.0	ND	4,430	Yes	26	50	Not encountered	8	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-18-7.5-8.0		7.5-8.0	10	4,310	No	ND	ND			
SB-19	SB-19-0-2.0	54	0-2.0	ND	4,440	Yes	1,701	ND	Not encountered	10	A PID reading of 54 ppm was detected at 9.5 ftbg. A petroleum odor was also detected.
	SB-19-9.5-10.0		9.5-10.0	475	13,970	Yes	ND	ND			
SB-20	SB-20-0-2.0	0.0	0-2.0	ND	3,950	No	26	ND	Not encountered	10	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-20-9.5-10.0		9.5-10.0	678	4,044	Yes	14	48			
	SB-20-COMP		0-10.0	NA	NA	NA	NA	NA			
SB-21	SB-21-0-2.0	0.0	0-2.0	ND	5,070	No	ND	110	*12	8	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-21-7.5-8.0		7.5-8.0	156	23,430	No	ND	194			
SB-22	SB-22-0-2.0	0.0	0-2.0	98	38,470	No	ND	ND	Not encountered	8	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-22-7.5-8.0		7.5-8.0	ND	3,120	No	ND	ND			
	SB-22-COMP		0-8.0	NA	NA	NA	NA	NA			
SB-23	SB-23-0-2.0	0.0	0-2.0	ND	16,320	Yes	10	41	Not encountered	10	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-23-9.5-10.0		9.5-10.0	151	381	No	ND	ND			
SB-24	SB-24-0-2.0	0.0	0-2.0	ND	8,180	No	106	ND	*12	10	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-24-9.5-10.0		9.5-10.0	506	1,080	No	ND	ND			
	SB-24-COMP		0-10.0	NA	NA	NA	NA	NA			
SB-25	SB-25-0-2.0	0.0	0-2.0	ND	5,830	No	7	ND	Not encountered	10	No petroleum odors, visual evidence or impact, or elevated PID readings were detected.
	SB-25-9.5-10.0		9.5-10.0	97	82	No	ND	ND			

Notes:

All grab samples were analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs). All composite soil samples were analyzed for TCL Semi-Volatile Organic Compounds (SVOCs), Target Analyte List (TAL) Metals, TCL Polychlorinated Biphenyls (PCBs), Pesticides, Total Petroleum Hydrocarbon (TPHC) Diesel Range Organics/Gasoline Range Organics (TPHC DRO/GRO), Resource Conservation and Recovery Act (RCRA) Characteristics, and Toxicity Characteristic Leaching Procedure (TCLP) RCRA Metals.

NA = Not Analyzed/Not Applicable

ND = Non detect

ftbg = feet below grade surface

ppm = parts per million (or mg/kg)

ug/kg = microgram per kilogram

*While the borings were terminated at 8 or 10 ftbg, temporary well points were advanced to a depth of 20 ftbg and groundwater was subsequently encountered.

Table 2. Summary of Target Compound List (TCL)
Volatile Organic Compounds (VOCs) Detected in Soil

TCL VOC	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-01-0-2.0	SB-01-5.5-6.0	SB-02-0-2.0	SB-02-0-2.0-DUP	SB-02-7.5-8.0	SB-03-0-2.0	SB-03-7.5-8.0	SB-04-0-2.0	SB-04-7.5-8.0	SB-05-0-2.0	SB-05-0-2.0-DUP
		11/25/2024	11/25/2024	11/25/2024	11/25/2024	12/3/2024	11/25/2024	12/3/2024	11/25/2024	12/3/2024	11/26/2024	11/26/2024
		0-2.0	5.5-6.0	0-2.0	0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	0-2.0
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	100,000	ND	ND	ND	ND	72	ND	80	ND	74	ND	ND
Benzene	4,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NS	ND	ND	ND	ND	ND	ND	11	ND	87	ND	ND
Chlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	41,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone/2-butanone	100,000	ND	ND	ND	ND	16	ND	16	ND	16	ND	ND
Methylcyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	100,000	ND	ND	ND	ND	38	ND	95	ND	11	ND	ND
o-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	19,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	21,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (Mixed)	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	NS	ND	ND	ND	ND	126	ND	202	ND	188	ND	ND

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14, 2006).

Table 2. Summary of Target Compound List (TCL)
Volatile Organic Compounds (VOCs) Detected in Soil

TCL VOC	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-05-7.5-8.0	SB-06-0-2.0	SB-06-7.5-8.0	SB-07-0-2.0	SB-07-9.5-10.0	SB-08-0-2.0	SB-08-9.5-10.0	SB-09-0-2.0	SB-09-9.5-10.0	SB-10-0-2.0	SB-10-7.5-8.0
		12/3/2024	11/25/2024	12/3/2024	11/26/2024	12/5/2024	11/27/2024	12/4/2024	11/27/2024	12/5/2024	12/2/2024	12/6/2024
		7.5-8.0	0-2.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	7.5-8.0
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND
1,4-Dichlorobenzene	13,000	ND	ND	ND	ND	ND	ND	ND	ND	5.2	ND	ND
Acetone	100,000	83	ND	26	ND	140	ND	200	ND	220	ND	86
Benzene	4,800	ND	ND	ND	ND	ND	ND	ND	ND	9.5	ND	ND
Carbon Disulfide	NS	ND	ND	7.2	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	17	ND	ND
Cyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	17	ND	ND
Ethylbenzene	41,000	ND	ND	ND	ND	ND	ND	ND	ND	59	ND	ND
Isopropylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	21	ND	ND
Methyl ethyl ketone/2-butanone	100,000	18	ND	65	ND	26	ND	43	ND	70	ND	15
Methylcyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	46	ND	ND
Methylene chloride	100,000	38	ND	51	ND	3.9	ND	43	ND	ND	33	9.1
o-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	110	ND	ND
m&p-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	210	ND	ND
Tetrachloroethene	19,000	ND	ND	ND	ND	ND	ND	ND	ND	3.8	ND	ND
Toluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	72	ND	ND
Trichloroethene	21,000	ND	ND	ND	ND	ND	ND	ND	ND	75	ND	ND
Xylene (Mixed)	100,000	ND	ND	ND	ND	ND	ND	ND	ND	320	ND	ND
Total VOCs	NS	139	ND	149	ND	170	ND	286	ND	946	33	110

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14, 2006).

Table 2. Summary of Target Compound List (TCL)
Volatile Organic Compounds (VOCs) Detected in Soil

TCL VOC	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)									
		SB-11-0-2.0	SB-11-7.5-8.0	SB-11-7.5-8.0 DUP	SB-12-0-2.0	SB-12-9.5-10.0	SB-13-0-2.0	SB-13-9.5-10.0	SB-14-0-2.0	SB-14-9.5-10.0	SB-15-0-2.0
		12/2/2024	12/6/2024	12/6/2024	12/2/2024	12/5/2024	11/27/2024	12/5/2024	11/27/2024	12/4/2024	11/25/2024
		0-2.0	7.5-8.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	100,000	ND	55	49	ND	45	ND	40	ND	46	ND
Benzene	4,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	41,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone/2-butanone	100,000	ND	6.7	6.9	ND	4.0	ND	4.7	ND	8.6	ND
Methylcyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	100,000	28	12	19	46	21	ND	8.4	ND	33	ND
o-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	19,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	21,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (Mixed)	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	NS	28	74	75	46	70	ND	53	ND	88	ND

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14, 2006).

Table 2. Summary of Target Compound List (TCL)
Volatile Organic Compounds (VOCs) Detected in Soil

TCL VOC	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-15-7.5-8.0	SB-16-0-2.0	SB-16-7.5-8.0	SB-17-0-2.0	SB-17-7.5-8.0	SB-18-0-2.0	SB-18-7.5-8.0	SB-19-0-2.0	SB-19-9.5-10.0	SB-20-0-2.0	SB-20-9.5-10.0
		12/3/2024	11/25/2024	12/4/2024	12/2/2024	12/6/2024	11/27/2024	12/5/2024	11/27/2024	12/4/2024	11/26/2024	12/4/2024
		7.5-8.0	0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	100,000	34	ND	170	ND	150	ND	ND	ND	260	ND	440
Benzene	4,800	ND	ND	ND	ND	ND	ND	ND	ND	2.9	ND	ND
Carbon Disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29
Chlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	8.5	ND	ND
cis-1,2-Dichloroethene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	6.8	ND	ND
Ethylbenzene	41,000	ND	ND	ND	ND	ND	ND	ND	ND	2.2	ND	ND
Isopropylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	16	ND	2.4
Methyl ethyl ketone/2-butanone	100,000	4.3	ND	42	ND	13	ND	ND	ND	71	ND	120
Methylcyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	37	ND	ND
Methylene chloride	100,000	30	ND	27	38	15	ND	9.7	ND	29	ND	85
o-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	1.4
m&p-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	ND
Tetrachloroethene	19,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	1.8	ND	ND
Trichloroethene	21,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (Mixed)	100,000	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	1.4
Total VOCs	NS	68	ND	239	38	178	ND	10	ND	475	ND	678

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14, 2006).

Table 2. Summary of Target Compound List (TCL)
Volatile Organic Compounds (VOCs) Detected in Soil

TCL VOC	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)									
		SB-21-0-2.0	SB-21-7.5-8.0	SB-22-0-2.0	SB-22-7.5-8.0	SB-23-0-2.0	SB-23-9.5-10.0	SB-24-0-2.0	SB-24-9.5-10.0	SB-25-0-2.0	SB-25-9.5-10.0
		11/25/2024	12/5/2024	12/2/2024	12/6/2024	11/26/2024	12/3/2024	11/26/2024	12/4/2024	11/26/2024	12/3/2024
		0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0
1,2-Dichlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	13,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	100,000	ND	120	73	ND	ND	50	ND	360	ND	76
Benzene	4,800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	41,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NS	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone/2-butanone	100,000	ND	25	15	ND	ND	9.6	ND	92	ND	17
Methylcyclohexane	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	100,000	ND	10	10	ND	ND	91	ND	54	ND	4.3
o-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	19,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	21,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (Mixed)	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	NS	ND	156	98	ND	ND	151	ND	506	ND	97

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14, 2006).

Table 3. Summary of TCL
Semi-Volatile Organic Compounds (SVOCs) Detected in Soil

TCL SVOC	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-01-0-2.0	SB-01-5.5-6.0	SB-02-0-2.0	SB-02-0-2.0-DUP	SB-02-7.5-8.0	SB-03-0-2.0	SB-03-7.5-8.0	SB-04-0-2.0	SB-04-7.5-8.0	SB-05-0-2.0	SB-05-0-2.0-DUP
		11/25/2024	11/25/2024	11/25/2024	11/25/2024	12/3/2024	11/25/2024	12/3/2024	11/25/2024	12/3/2024	11/26/2024	11/26/2024
		0-2.0	5.5-6.0	0-2.0	0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	0-2.0
2-Methylnaphthalene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol (o-Cresol)	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	ND	ND	ND	ND	ND	50	ND	ND	ND	ND	410
Benzo(a)anthracene	1,000	340	350	410	150	440	260	ND	160	140	530	1,800
Benzo(a)pyrene	1,000	300	340	410	160	450	280	ND	180	120	530	1,500
Benzo(b)fluoranthene	1,000	420	470	580	220	580	400	ND	240	160	730	2,100
Benzo(g,h,i)perylene	100,000	230	270	330	130	290	230	ND	140	76	430	1,100
Benzo(k)fluoranthene	3,900	140	160	180	68	200	120	ND	77	ND	240	720
bis(2-Ethylhexyl)phthalate	NS	ND	ND	210	ND	ND	48	ND	ND	ND	ND	ND
Carbazole	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	120
Chrysene	3,900	330	340	420	160	430	290	ND	170	140	550	1,900
Dibenz[a,h]anthracene	330	ND	ND	ND	ND	ND	57	ND	ND	ND	ND	280
Dibenzofuran	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	100,000	590	590	590	230	740	380	ND	260	300	820	3,500
Fluorene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	500	230	280	340	140	310	240	ND	150	82	440	1,200
Napthalene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	320	270	260	110	300	170	ND	110	190	360	2,300
Pyrene	100,000	520	530	590	240	720	370	ND	240	260	820	3,200
Total SVOCs	NS	3,420	3,600	4,320	1,608	4,460	2,895	ND	1,727	1,468	5,450	20,130

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14, 2006).

Shading = Concentration exceeds Restricted Use Restricted-Residential (Track 1) Soil Cleanup Objectives

Table 3. Summary of TCL
Semi-Volatile Organic Compounds (SVOCs) Detected in Soil

TCL SVOC	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-05-7.5-8.0	SB-06-0-2.0	SB-06-7.5-8.0	SB-07-0-2.0	SB-07-9.5-10.0	SB-08-0-2.0	SB-08-9.5-10.0	SB-09-0-2.0	SB-09-9.5-10.0	SB-10-0-2.0	SB-10-7.5-8.0
		12/3/2024	11/25/2024	12/3/2024	11/26/2024	12/5/2024	11/27/2024	12/4/2024	11/27/2024	12/5/2024	12/2/2024	12/6/2024
		7.5-8.0	0-2.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	7.5-8.0
2-Methylnaphthalene	NS	ND	ND	ND	120	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol (o-Cresol)	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	100,000	ND	ND	ND	ND	ND	ND	49	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	41	ND
Anthracene	100,000	79	78	170	ND	ND	ND	110	ND	ND	82	ND
Benzo(a)anthracene	1,000	200	370	420	440	ND	300	410	59	140	440	140
Benzo(a)pyrene	1,000	180	400	430	470	ND	320	430	63	160	450	130
Benzo(b)fluoranthene	1,000	230	550	570	630	ND	480	590	91	210	650	190
Benzo(g,h,i)perylene	100,000	110	300	300	360	ND	290	300	55	130	340	97
Benzo(k)fluoranthene	3,900	72	140	160	200	ND	140	180	ND	70	210	58
bis(2-Ethylhexyl)phthalate	NS	ND	91	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	ND	ND	ND	ND	ND	ND	55	ND	ND	ND	ND
Chrysene	3,900	170	370	420	460	ND	330	430	61	150	440	140
Dibenz[a,h]anthracene	330	ND	73	75	ND	ND	ND	79	ND	ND	91	ND
Dibenzofuran	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	100,000	480	560	870	670	300	450	810	90	250	640	250
Fluorene	100,000	ND	ND	79	ND	ND	ND	54	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	500	120	330	310	370	ND	280	340	57	130	380	100
Napthalene	100,000	ND	ND	ND	ND	ND	ND	53	ND	ND	ND	ND
Phenanthrene	100,000	250	250	710	370	260	210	520	42	80	270	120
Pyrene	100,000	380	540	770	630	410	440	730	81	230	630	200
Total SVOCs	NS	2,271	4,052	5,284	4,720	970	3,240	5,140	599	1,550	4,664	1,425

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14, 2006).

Shading = Concentration exceeds Restricted Use Restricted-Residential (Track 1) Soil Cleanup Objectives

Table 3. Summary of TCL
Semi-Volatile Organic Compounds (SVOCs) Detected in Soil

TCL SVOC	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-11-0-2.0	SB-11-7.5-8.0	SB-11-7.5-8.0 DUP	SB-12-0-2.0	SB-12-9.5-10.0	SB-13-0-2.0	SB-13-9.5-10.0	SB-14-0-2.0	SB-14-9.5-10.0	SB-15-0-2.0	SB-15-7.5-8.0
		12/2/2024	12/6/2024	12/6/2024	12/2/2024	12/5/2024	11/27/2024	12/5/2024	11/27/2024	12/4/2024	11/25/2024	12/3/2024
		0-2.0	7.5-8.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	7.5-8.0
2-Methylnaphthalene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol (o-Cresol)	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	51	ND	ND	ND	ND	230	ND	ND	47	130	170
Benzo(a)anthracene	1,000	230	ND	240	550	1,300	650	170	430	190	680	920
Benzo(a)pyrene	1,000	250	ND	280	600	1,200	680	200	430	200	630	970
Benzo(b)fluoranthene	1,000	360	ND	380	830	1,600	880	260	560	260	880	1,300
Benzo(g,h,i)perylene	100,000	230	ND	210	420	810	500	160	330	130	480	720
Benzo(k)fluoranthene	3,900	110	ND	110	280	520	280	87	ND	92	290	440
bis(2-Ethylhexyl)phthalate	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	3,900	230	ND	260	590	1,200	670	190	410	190	670	950
Dibenz[a,h]anthracene	330	55	ND	54	ND	ND	ND	39	ND	ND	120	180
Dibenzofuran	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Flouranthene	100,000	340	ND	360	880	2,000	1,300	260	670	330	1,200	1,300
Fluorene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	500	220	ND	230	450	900	540	170	360	150	510	780
Napthalene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	59	ND	ND
Phenanthrene	100,000	180	ND	140	370	540	880	110	300	160	500	460
Pyrene	100,000	320	ND	320	800	2,400	1,100	290	670	300	1,100	1,300
Total SVOCs	NS	2,576	ND	2,584	5,770	12,470	7,710	1,936	4,160	2,108	7,190	9,490

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14, 2006).

Shading = Concentration exceeds Restricted Use Restricted-Residential (Track 1) Soil Cleanup Objectives

Table 3. Summary of TCL
Semi-Volatile Organic Compounds (SVOCs) Detected in Soil

TCL SVOC	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-16-0-2.0	SB-16-7.5-8.0	SB-17-0-2.0	SB-17-7.5-8.0	SB-18-0-2.0	SB-18-7.5-8.0	SB-19-0-2.0	SB-19-9.5-10.0	SB-20-0-2.0	SB-20-9.5-10.0	SB-21-0-2.0
		11/25/2024	12/4/2024	12/2/2024	12/6/2024	11/27/2024	12/5/2024	11/27/2024	12/4/2024	11/26/2024	12/4/2024	11/25/2024
		0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0
2-Methylnaphthalene	NS	ND	ND	ND	ND	ND	ND	ND	2,400	ND	ND	ND
2-Methylphenol (o-Cresol)	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	100,000	ND	ND	ND	ND	ND	ND	ND	1,100	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	150	ND	110	86	ND	ND	ND	ND	ND	170	ND
Benzo(a)anthracene	1,000	1,100	ND	360	510	410	440	420	530	380	440	490
Benzo(a)pyrene	1,000	920	ND	380	550	430	540	420	490	400	350	500
Benzo(b)fluoranthene	1,000	1,200	280	510	800	640	660	580	800	550	410	670
Benzo(g,h,i)perylene	100,000	660	ND	290	490	370	390	330	ND	330	200	380
Benzo(k)fluoranthene	3,900	420	ND	160	220	190	ND	180	ND	180	140	220
bis(2-Ethylhexyl)phthalate	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	3,900	1,100	ND	380	530	440	440	410	960	380	430	510
Dibenz[a,h]anthracene	330	170	ND	74	120	ND	ND	ND	ND	ND	54	ND
Dibenzofuran	NS	ND	ND	ND	ND	ND	ND	ND	1,100	ND	ND	ND
Flouranthene	100,000	1,700	360	600	700	640	570	740	1,000	580	660	780
Fluorene	100,000	ND	ND	ND	ND	ND	ND	ND	1,400	ND	ND	ND
Indeno(1,2,3-cd)pyrene	500	690	ND	310	510	370	390	330	ND	320	220	400
Napthalene	100,000	ND	ND	ND	140	ND	ND	ND	620	ND	ND	ND
Phenanthrene	100,000	600	ND	360	320	330	260	380	2,800	270	130	330
Pyrene	100,000	1,700	380	560	670	610	620	650	770	560	840	790
Total SVOCs	NS	10,410	1,020	4,094	5,646	4,430	4,310	4,440	13,970	3,950	4,044	5,070

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14, 2006).

Shading = Concentration exceeds Restricted Use Restricted-Residential (Track 1) Soil Cleanup Objectives

Table 3. Summary of TCL
Semi-Volatile Organic Compounds (SVOCs) Detected in Soil

TCL SVOC	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)								
		SB-21-7.5-8.0	SB-22-0-2.0	SB-22-7.5-8.0	SB-23-0-2.0	SB-23-9.5-10.0	SB-24-0-2.0	SB-24-9.5-10.0	SB-25-0-2.0	SB-25-9.5-10.0
		12/5/2024	12/2/2024	12/6/2024	11/26/2024	12/3/2024	11/26/2024	12/4/2024	11/26/2024	12/3/2024
		7.5-8.0	0-2.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0
2-Methylnaphthalene	NS	ND	290	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol (o-Cresol)	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	100,000	ND	620	ND	250	ND	ND	ND	ND	ND
Acenaphthylene	100,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	100,000	930	1,900	ND	360	ND	140	ND	140	ND
Benzo(a)anthracene	1,000	2,600	2,900	300	1,600	50	740	96	530	ND
Benzo(a)pyrene	1,000	1,900	2,500	300	1,500	ND	770	100	530	ND
Benzo(b)fluoranthene	1,000	2,800	3,100	380	2,000	70	1,100	140	720	ND
Benzo(g,h,i)perylene	100,000	1,000	1,300	220	950	ND	600	76	420	ND
Benzo(k)fluoranthene	3,900	770	1,100	ND	690	ND	330	ND	230	ND
bis(2-Ethylhexyl)phthalate	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	ND	460	ND	ND	ND	ND	ND	ND	ND
Chrysene	3,900	2,400	2,400	280	1,600	61	760	110	540	ND
Dibenz[a,h]anthracene	330	400	380	ND	270	ND	150	ND	ND	ND
Dibenzofuran	NS	ND	620	ND	ND	ND	ND	ND	ND	ND
Flouranthene	100,000	4,300	6,500	590	2,500	100	1,200	210	900	41
Fluorene	100,000	330	1,200	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	500	1,300	1,500	200	1,100	ND	620	79	440	ND
Napthalene	100,000	ND	600	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100,000	1,600	5,900	320	1,200	ND	570	79	540	ND
Pyrene	100,000	3,100	5,200	530	2,300	100	1,200	190	840	41
Total SVOCs	NS	23,430	38,470	3,120	16,320	381	8,180	1,080	5,830	82

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14, 2006).

Shading = Concentration exceeds Restricted Use Restricted-Residential (Track 1) Soil Cleanup Objectives

Table 4. Summary of Target Analyte List (TAL) Metals Detected in Soil

Target Analyte List Metals	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-01-0-2.0	SB-01-5.5-6.0	SB-02-0-2.0	SB-02-0-2.0-DUP	SB-02-7.5-8.0	SB-03-0-2.0	SB-03-7.5-8.0	SB-04-0-2.0	SB-04-7.5-8.0	SB-05-0-2.0	SB-05-0-2.0-DUP
		11/25/2024	11/25/2024	11/25/2024	11/25/2024	12/3/2024	11/25/2024	12/3/2024	11/25/2024	12/3/2024	11/26/2024	11/26/2024
		0-2.0	5.5-6.0	0-2.0	0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	0-2.0
Aluminum	NS	7,200	5,800	7,200	7,800	8,000	7,500	13,000	8,200	16,000	6,400	6,700
Antimony	NS	0.96	0.76	0.87	1.0	1.2	0.65	ND	1.1	ND	4.4	39
Arsenic	16	8.5	6.4	8.9	9.2	6.8	6.6	9.6	9.4	10	9.7	10
Barium	400	150	170	140	160	170	120	85	200	75	370	280
Beryllium	72	0.40	0.39	0.37	0.42	0.42	0.38	0.67	0.52	0.81	0.40	0.41
Cadmium	4.3	1.7	1.4	0.62	0.68	0.76	0.43	ND	0.81	ND	2.1	1.3
Calcium	NS	5,700	2,500	4,500	5,000	6,900	2,900	7,000	3,700	15,000	8,900	8,000
Chromium (total)	180	27	22	20	22	23	20	32	23	39	23	22
Cobalt	NS	7.5	5.9	5.7	5.9	6.3	6.3	10	7.6	12	5.5	6.2
Copper	270	120	99	110	120	97	81	37	170	27	190	160
Iron	NS	24,000	19,000	16,000	18,000	21,000	19,000	31,000	24,000	37,000	19,000	20,000
Lead	400	380	920	250	270	250	200	77	300	44	480	450
Magnesium	NS	2,100	1,600	2,300	2,300	2,700	2,000	7,000	2,600	7,900	2,200	4,600
Manganese	2,000	330	240	320	380	250	320	1,000	370	1,000	290	410
Mercury	0.81	1.5	0.72	0.87	0.93	0.49	0.48	ND	0.76	ND	0.91	1.1
Nickel	310	18	17	18	20	18	16	23	21	26	19	20
Potassium	NS	1,000	760	940	1,000	1,200	880	3,300	1,200	3,800	840	830
Selenium	180	2.5	2.2	2.2	2.4	2.2	2.2	3.6	2.8	4.2	2.4	2.3
Silver	180	0.48	0.46	0.31	0.35	0.64	0.38	ND	0.56	ND	0.80	0.86
Sodium	NS	ND	ND	ND	ND	180	ND	610	ND	330	140	ND
Thallium	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	NS	29	28	26	28	27	24	40	32	44	23	26
Zinc	10,000	630	300	270	280	280	240	150	350	98	520	460

Notes:
All concentrations are in parts per million (ppm or mg/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives

Shading = Concentration exceeds Restricted Use Restricted-Residential (Track 1) Soil Cleanup Objectives

Table 4. Summary of Target Analyte List (TAL) Metals Detected in Soil

Target Analyte List Metals	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-05-7.5-8.0	SB-06-0-2.0	SB-06-7.5-8.0	SB-07-0-2.0	SB-07-9.5-10.0	SB-08-0-2.0	SB-08-9.5-10.0	SB-09-0-2.0	SB-09-9.5-10.0	SB-10-0-2.0	SB-10-7.5-8.0
		12/3/2024	11/25/2024	12/3/2024	11/26/2024	12/5/2024	11/27/2024	12/4/2024	11/27/2024	12/5/2024	12/2/2024	12/6/2024
		7.5-8.0	0-2.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	7.5-8.0
Aluminum	NS	8,700	8,600	8,000	6,800	9,500	7,800	6,700	6,800	6,700	6,200	7,300
Antimony	NS	2.8	0.36	2.0	1.1	1.0	0.93	0.89	ND	0.37	0.81	0.61
Arsenic	16	6.1	5.5	16	7.1	8.0	8.3	5.2	3.9	3.1	5.8	4.7
Barium	400	68	91	330	180	170	170	150	54	78	120	91
Beryllium	72	0.46	0.43	0.51	0.38	0.50	0.39	0.46	0.32	0.29	0.33	0.31
Cadmium	4.3	ND	0.31	3.6	0.52	0.66	0.60	0.72	ND	ND	0.29	0.26
Calcium	NS	2,200	4,200	3,900	2,300	9,100	3,700	1,800	1,000	2,300	4,600	2,300
Chromium (total)	180	23	19	25	20	27	23	20	17	22	19	19
Cobalt	NS	7.4	6.2	7.0	5.6	8.7	5.8	10	5.7	5.6	4.7	4.8
Copper	270	32	40	9,200	120	150	170	89	30	39	76	86
Iron	NS	21,000	16,000	25,000	18,000	34,000	17,000	15,000	15,000	13,000	15,000	18,000
Lead	400	64	120	460	300	220	300	220	67	100	210	150
Magnesium	NS	3,700	2,200	3,700	2,100	5,100	2,400	2,100	1,800	2,300	2,200	1,900
Manganese	2,000	440	400	260	330	890	280	170	300	260	270	120
Mercury	0.81	ND	ND	1.8	0.69	0.22	0.60	0.53	0.093	0.33	0.66	0.20
Nickel	310	18	15	24	16	21	18	27	14	24	12	14
Potassium	NS	1,800	870	1,800	1,100	2,200	1,200	980	1,000	920	1,200	970
Selenium	180	2.4	2.2	2.9	2.3	2.6	2.3	2.3	2.1	1.7	1.9	1.6
Silver	180	ND	ND	0.85	0.36	0.34	0.38	0.53	ND	ND	0.25	ND
Sodium	NS	170	ND	460	ND	380	ND	ND	ND	ND	ND	ND
Thallium	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	NS	28	26	28	23	31	25	22	24	21	21	22
Zinc	10,000	100	110	2,300	250	290	480	320	86	100	140	150

Notes:
All concentrations are in parts per million (ppm or mg/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives

Shading = Concentration exceeds Restricted Use Restricted-Residential (Track 1) Soil Cleanup Objectives

Table 4. Summary of Target Analyte List (TAL) Metals Detected in Soil

Target Analyte List Metals	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-11-0-2.0	SB-11-7.5-8.0	SB-11-7.5-8.0 DUP	SB-12-0-2.0	SB-12-9.5-10.0	SB-13-0-2.0	SB-13-9.5-10.0	SB-14-0-2.0	SB-14-9.5-10.0	SB-15-0-2.0	SB-15-7.5-8.0
		12/2/2024	12/6/2024	12/6/2024	12/2/2024	12/5/2024	11/27/2024	12/5/2024	11/27/2024	12/4/2024	11/25/2024	12/3/2024
		0-2.0	7.5-8.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	7.5-8.0
Aluminum	NS	8,200	6,200	5,400	9,100	6,800	7,700	5,900	7,700	4,500	9,300	7,100
Antimony	NS	1.6	0.92	0.61	1.3	0.50	1.1	0.66	0.66	0.51	1.1	2.4
Arsenic	16	7.8	4.5	4.2	11	4.0	8.2	7.1	8.8	5.0	11	11
Barium	400	160	76	85	190	110	440	100	120	100	190	380
Beryllium	72	0.45	0.32	0.29	0.56	0.31	0.44	0.43	0.44	0.33	0.59	0.51
Cadmium	4.3	0.66	0.30	ND	0.60	0.39	0.65	0.64	0.52	0.44	1.4	1.3
Calcium	NS	2,200	2,000	2,500	2,400	4,700	2,400	2,200	3,600	3,900	5,000	4,600
Chromium (total)	180	23	16	14	25	19	27	16	19	14	25	26
Cobalt	NS	7.4	5.3	4.7	7.5	5.2	6.8	5.3	5.2	8.9	8.5	8.2
Copper	270	130	38	41	140	60	140	67	69	37	110	370
Iron	NS	20,000	15,000	14,000	23,000	14,000	21,000	15,000	19,000	13,000	37,000	29,000
Lead	400	280	130	130	350	170	360	160	210	100	310	700
Magnesium	NS	2,600	2,300	1,800	2,800	2,400	2,400	1,400	2,100	2,100	2,900	2,400
Manganese	2,000	440	200	220	470	290	360	190	340	280	590	330
Mercury	0.81	0.65	0.23	ND	0.74	0.30	1.4	0.64	0.36	0.88	0.62	3.6
Nickel	310	20	13	12	19	16	21	14	15	23	22	22
Potassium	NS	1,200	1,100	920	1,400	1,100	1,200	710	1,000	760	1,300	1,300
Selenium	180	2.4	1.8	1.6	2.8	1.8	2.6	2.7	2.7	2.4	3.2	2.5
Silver	180	0.31	ND	ND	0.68	0.27	0.45	ND	0.25	ND	0.35	1.1
Sodium	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	150	160
Thallium	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	NS	28	20	17	32	21	27	19	24	16	32	27
Zinc	10,000	300	160	110	270	290	330	150	200	220	380	620

Notes:
All concentrations are in parts per million (ppm or mg/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives

Shading = Concentration exceeds Restricted Use Restricted-Residential (Track 1) Soil Cleanup Objectives

Table 4. Summary of Target Analyte List (TAL) Metals Detected in Soil

Target Analyte List Metals	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-16-0-2.0	SB-16-7.5-8.0	SB-17-0-2.0	SB-17-7.5-8.0	SB-18-0-2.0	SB-18-7.5-8.0	SB-19-0-2.0	SB-19-9.5-10.0	SB-20-0-2.0	SB-20-9.5-10.0	SB-21-0-2.0
		11/25/2024	12/4/2024	12/2/2024	12/6/2024	11/27/2024	12/5/2024	11/27/2024	12/4/2024	11/26/2024	12/4/2024	11/25/2024
		0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0
Aluminum	NS	8,300	6,700	8,900	7,200	10,000	8,100	7,100	3,900	9,100	8,400	7,900
Antimony	NS	1.0	1.2	10	2.1	1.3	0.75	1.0	1.4	0.96	0.89	0.90
Arsenic	16	11	13	11	7.8	17	6.3	37	7.5	12	11	8.2
Barium	400	200	320	300	300	220	170	140	270	180	140	190
Beryllium	72	0.45	0.43	0.52	0.40	0.60	0.35	0.63	0.25	0.52	0.47	0.42
Cadmium	4.3	0.74	4.2	0.81	1.3	1.1	0.75	1.1	3.4	0.60	1.2	0.55
Calcium	NS	3,900	5,900	2,900	2,800	2,300	4,900	3,300	5,400	2,900	4,100	3,200
Chromium (total)	180	22	25	29	26	470	24	25	19	26	21	21
Cobalt	NS	6.6	5.3	6.0	6.7	11	5.3	8.8	3.3	7.0	6.3	6.3
Copper	270	110	89	130	790	180	95	150	88	110	76	100
Iron	NS	19,000	18,000	25,000	18,000	28,000	18,000	24,000	23,000	23,000	18,000	19,000
Lead	400	300	300	370	450	490	260	370	600	320	230	270
Magnesium	NS	2,700	2,600	2,700	2,200	3,100	2,700	2,500	1,000	2,800	2,600	2,600
Manganese	2,000	430	370	380	170	620	180	380	430	430	410	320
Mercury	0.81	0.48	0.56	0.72	1.1	0.61	0.77	0.47	0.33	0.60	11	0.66
Nickel	310	21	20	18	30	24	20	23	12	20	18	18
Potassium	NS	1,100	2,200	1,300	930	1,500	1,500	1,100	510	1,200	1,100	1,100
Selenium	180	2.7	4.8	2.6	2.1	3.1	2.3	2.5	1.7	3.0	2.9	2.5
Silver	180	0.44	0.74	0.42	0.52	0.52	0.32	0.27	3.4	0.38	0.47	0.29
Sodium	NS	ND	310	300	200	ND	ND	ND	ND	ND	ND	ND
Thallium	NS	ND	0.54	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	NS	29	27	30	25	37	31	25	15	29	27	27
Zinc	10,000	290	330	290	910	360	250	740	480	310	230	260

Notes:
All concentrations are in parts per million (ppm or mg/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives

Shading = Concentration exceeds Restricted Use Restricted-Residential (Track 1) Soil Cleanup Objectives

Table 4. Summary of Target Analyte List (TAL) Metals Detected in Soil

Target Analyte List Metals	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)								
		SB-21-7.5-8.0	SB-22-0-2.0	SB-22-7.5-8.0	SB-23-0-2.0	SB-23-9.5-10.0	SB-24-0-2.0	SB-24-9.5-10.0	SB-25-0-2.0	SB-25-9.5-10.0
		12/5/2024	12/2/2024	12/6/2024	11/26/2024	12/3/2024	11/26/2024	12/4/2024	11/26/2024	12/3/2024
		7.5-8.0	0-2.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0
Aluminum	NS	5,600	6,000	4,400	8,000	12,000	8,000	7,200	7,900	5,300
Antimony	NS	0.83	0.49	ND	1.8	ND	1.0	ND	1.0	ND
Arsenic	16	7.5	3.2	2.0	11	3.3	9.4	6.0	10	1.8
Barium	400	210	98	57	260	66	220	78	160	42
Beryllium	72	0.30	0.36	0.22	0.51	0.46	0.42	0.40	0.39	0.27
Cadmium	4.3	1.3	0.39	ND	1.0	ND	0.72	0.34	0.75	ND
Calcium	NS	5,300	3,900	4,400	5,000	8,600	3,700	3,000	2,900	1,100
Chromium (total)	180	34	16	13	25	28	22	20	22	16
Cobalt	NS	5.9	3.9	7.2	8.4	7.1	6.8	7.2	6.6	5.5
Copper	270	66	32	56	160	48	120	44	99	15
Iron	NS	23,000	11,000	14,000	26,000	20,000	20,000	19,000	27,000	16,000
Lead	400	300	88	79	510	50	300	74	340	31
Magnesium	NS	1,800	2,300	3,300	2,600	4,700	2,700	2,900	2,600	1,800
Manganese	2,000	300	260	340	500	320	420	470	420	360
Mercury	0.81	0.50	0.17	ND	1.2	0.15	0.73	0.35	0.73	ND
Nickel	310	17	9.3	14	23	20	29	16	19	13
Potassium	NS	880	450	700	1,300	2,300	1,200	1,500	1,100	1,000
Selenium	180	1.7	1.7	1.4	3.4	2.9	2.6	2.1	2.4	1.7
Silver	180	5.5	ND	ND	0.47	ND	0.37	ND	0.30	ND
Sodium	NS	ND	ND	ND	150	240	ND	ND	ND	ND
Thallium	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	NS	18	18	21	29	27	26	26	27	21
Zinc	10,000	260	98	50	430	97	310	110	320	30

Notes:
All concentrations are in parts per million (ppm or mg/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives

Shading = Concentration exceeds Restricted Use Restricted-Residential (Track 1) Soil Cleanup Objectives

Pesticide	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-01-0-2.0	SB-01-5.5-6.0	SB-02-0-2.0	SB-02-0-2.0-DUP	SB-02-7.5-8.0	SB-03-0-2.0	SB-03-7.5-8.0	SB-04-0-2.0	SB-04-7.5-8.0	SB-05-0-2.0	SB-05-0-2.0-DUP
		11/25/2024	11/25/2024	11/25/2024	11/25/2024	12/3/2024	11/25/2024	12/3/2024	11/25/2024	12/3/2024	11/26/2024	11/26/2024
		0-2.0	5.5-6.0	0-2.0	0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	0-2.0
Chlordane (alpha)	4,200	ND	ND	9.1	5.6 d	ND	ND	ND	ND	ND	ND	ND
Chlordane (Total)	NS	ND	ND	9.1	5.6	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	13,000	ND	9.5	26	21	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	8,900	ND	ND	33	27	ND	12	ND	ND	ND	12	19
4,4'-DDT	7,900	ND	3.1 d	11 d	9.5 d	ND	ND	ND	ND	ND	ND	ND
Total Pesticides	NS	ND	13	79	63	ND	12	ND	ND	ND	12	19

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard

d = The difference between the readings on the primary and secondary columns was greater than 40%. The lower concentration is generally reported, as the higher concentration is from an interfering compound.
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14,

Pesticide	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-05-7.5-8.0	SB-06-0-2.0	SB-06-7.5-8.0	SB-07-0-2.0	SB-07-9.5-10.0	SB-08-0-2.0	SB-08-9.5-10.0	SB-09-0-2.0	SB-09-9.5-10.0	SB-10-0-2.0	SB-10-7.5-8.0
		12/3/2024	11/25/2024	12/3/2024	11/26/2024	12/5/2024	11/27/2024	12/4/2024	11/27/2024	12/5/2024	12/2/2024	12/6/2024
		7.5-8.0	0-2.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	7.5-8.0
Chlordane (alpha)	4,200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (Total)	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	13,000	ND	13	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	8,900	ND	34	ND	4.8	ND	6.3	ND	ND	ND	4.4	ND
4,4'-DDT	7,900	ND	5.3 d	ND	ND	ND	6.2	ND	ND	ND	6.5	ND
Total Pesticides	NS	ND	52	ND	5	ND	13	ND	ND	ND	11	ND

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard

d = The difference between the readings on the primary and secondary columns was greater than 40%. The lower concentration is generally reported, as the higher concentration is from an interfering compound.
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14,

Table 5. Summary of Pesticides Detected in Soil

Pesticide	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-11-0-2.0	SB-11-7.5-8.0	SB-11-7.5-8.0 DUP	SB-12-0-2.0	SB-12-9.5-10.0	SB-13-0-2.0	SB-13-9.5-10.0	SB-14-0-2.0	SB-14-9.5-10.0	SB-15-0-2.0	SB-15-7.5-8.0
		12/2/2024	12/6/2024	12/6/2024	12/2/2024	12/5/2024	11/27/2024	12/5/2024	11/27/2024	12/4/2024	11/25/2024	12/3/2024
		0-2.0	7.5-8.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	7.5-8.0
Chlordane (alpha)	4,200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (Total)	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	13,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	8,900	ND	ND	ND	8.6	ND	4.9	ND	8.5	ND	3.6 d	ND
4,4'-DDT	7,900	4.6	ND	ND	8.5	ND	5.6	ND	3.4 d	ND	4.1 d	ND
Total Pesticides	NS	5	ND	ND	17	ND	11	ND	12	ND	8	ND

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard

d = The difference between the readings on the primary and secondary columns was greater than 40%. The lower concentration is generally reported, as the higher concentration is from an interfering compound.
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14,

Pesticide	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-16-0-2.0	SB-16-7.5-8.0	SB-17-0-2.0	SB-17-7.5-8.0	SB-18-0-2.0	SB-18-7.5-8.0	SB-19-0-2.0	SB-19-9.5-10.0	SB-20-0-2.0	SB-20-9.5-10.0	SB-21-0-2.0
		11/25/2024	12/4/2024	12/2/2024	12/6/2024	11/27/2024	12/5/2024	11/27/2024	12/4/2024	11/26/2024	12/4/2024	11/25/2024
		0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0
Chlordane (alpha)	4,200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (Total)	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	13,000	ND	ND	ND	ND	ND	ND	1,200	ND	5.3	4.1 d	ND
4,4'-DDE	8,900	12	ND	14	ND	17	ND	440	ND	14	9.4	ND
4,4'-DDT	7,900	10	ND	10	ND	8.8 d	ND	61	ND	6.9	ND	ND
Total Pesticides	NS	22	ND	24	ND	26	ND	1,701	ND	26	14	ND

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard

d = The difference between the readings on the primary and secondary columns was greater than 40%. The lower concentration is generally reported, as the higher concentration is from an interfering compound.
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14,

Table 5. Summary of Pesticides Detected in Soil

Pesticide	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)								
		SB-21-7.5-8.0	SB-22-0-2.0	SB-22-7.5-8.0	SB-23-0-2.0	SB-23-9.5-10.0	SB-24-0-2.0	SB-24-9.5-10.0	SB-25-0-2.0	SB-25-9.5-10.0
		12/5/2024	12/2/2024	12/6/2024	11/26/2024	12/3/2024	11/26/2024	12/4/2024	11/26/2024	12/3/2024
		7.5-8.0	0-2.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0
Chlordane (alpha)	4,200	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane (Total)	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	13,000	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	8,900	ND	ND	ND	3.9	ND	7.5	ND	7.2	ND
4,4'-DDT	7,900	ND	ND	ND	5.9	ND	3.1 d	ND	ND	ND
Total Pesticides	NS	ND	ND	ND	10	ND	106	ND	7	ND

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard

d = The difference between the readings on the primary and secondary columns was greater than 40%. The lower concentration is generally reported, as the higher concentration is from an interfering compound.
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives (December 14,

Table 6. Summary of Polychlorinated Biphenyls (PCBs) Detected in Soil

PCBs	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-01-0-2.0	SB-01-5.5-6.0	SB-02-0-2.0	SB-02-0-2.0-DUP	SB-02-7.5-8.0	SB-03-0-2.0	SB-03-7.5-8.0	SB-04-0-2.0	SB-04-7.5-8.0	SB-05-0-2.0	SB-05-0-2.0-DUP
		11/25/2024	11/25/2024	11/25/2024	11/25/2024	12/3/2024	11/25/2024	12/3/2024	11/25/2024	12/3/2024	11/26/2024	11/26/2024
		0-2.0	5.5-6.0	0-2.0	0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	0-2.0
Aroclor 1254	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	NS	ND	ND	82	74	ND	86	ND	110	ND	ND	ND
Aroclor 1262	NS	ND	ND	ND	ND	49	ND	ND	ND	ND	67	86
Aroclor 1268	NS	120	600	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1,000	120	600	82	74	49	86	ND	110	ND	67	86

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives

Table 6. Summary of Polychlorinated Biphenyls (PCBs) Detected in Soil

PCBs	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-05-7.5-8.0	SB-06-0-2.0	SB-06-7.5-8.0	SB-07-0-2.0	SB-07-9.5-10.0	SB-08-0-2.0	SB-08-9.5-10.0	SB-09-0-2.0	SB-09-9.5-10.0	SB-10-0-2.0	SB-10-7.5-8.0
		12/3/2024	11/25/2024	12/3/2024	11/26/2024	12/5/2024	11/27/2024	12/4/2024	11/27/2024	12/5/2024	12/2/2024	12/6/2024
		7.5-8.0	0-2.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	7.5-8.0
Aroclor 1254	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1262	NS	ND	ND	ND	39	ND	ND	67	ND	ND	ND	ND
Aroclor 1268	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1,000	ND	ND	ND	39	ND	ND	67	ND	ND	ND	ND

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives

Table 6. Summary of Polychlorinated Biphenyls (PCBs) Detected in Soil

PCBs	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-11-0-2.0	SB-11-7.5-8.0	SB-11-7.5-8.0 DUP	SB-12-0-2.0	SB-12-9.5-10.0	SB-13-0-2.0	SB-13-9.5-10.0	SB-14-0-2.0	SB-14-9.5-10.0	SB-15-0-2.0	SB-15-7.5-8.0
		12/2/2024	12/6/2024	12/6/2024	12/2/2024	12/5/2024	11/27/2024	12/5/2024	11/27/2024	12/4/2024	11/25/2024	12/3/2024
		0-2.0	7.5-8.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	7.5-8.0
Aroclor 1254	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	NS	ND	ND	ND	ND	ND	ND	55	ND	ND	ND	ND
Aroclor 1262	NS	ND	ND	ND	46	ND	ND	ND	ND	37	41	ND
Aroclor 1268	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1,000	ND	ND	ND	46	ND	ND	55	ND	37	41	ND

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives

Table 6. Summary of Polychlorinated Biphenyls (PCBs) Detected in Soil

PCBs	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)										
		SB-16-0-2.0	SB-16-7.5-8.0	SB-17-0-2.0	SB-17-7.5-8.0	SB-18-0-2.0	SB-18-7.5-8.0	SB-19-0-2.0	SB-19-9.5-10.0	SB-20-0-2.0	SB-20-9.5-10.0	SB-21-0-2.0
		11/25/2024	12/4/2024	12/2/2024	12/6/2024	11/27/2024	12/5/2024	11/27/2024	12/4/2024	11/26/2024	12/4/2024	11/25/2024
		0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0
Aroclor 1254	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110
Aroclor 1262	NS	39	ND	ND	ND	50	ND	ND	ND	ND	48	ND
Aroclor 1268	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1,000	39	ND	ND	ND	50	ND	ND	ND	ND	48	110

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives

Table 6. Summary of Polychlorinated Biphenyls (PCBs) Detected in Soil

PCBs	Part 375-6.8 (b) Restricted Use (Track 2) Restricted-Residential Soil Cleanup Objectives (SCOs)	Sample ID, Date Collected, and Depth (ftbg)								
		SB-21-7.5-8.0	SB-22-0-2.0	SB-22-7.5-8.0	SB-23-0-2.0	SB-23-9.5-10.0	SB-24-0-2.0	SB-24-9.5-10.0	SB-25-0-2.0	SB-25-9.5-10.0
		12/5/2024	12/2/2024	12/6/2024	11/26/2024	12/3/2024	11/26/2024	12/4/2024	11/26/2024	12/3/2024
		7.5-8.0	0-2.0	7.5-8.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0	0-2.0	9.5-10.0
Aroclor 1254	NS	94	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	NS	ND	ND	ND	41	ND	ND	ND	ND	ND
Aroclor 1262	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1268	NS	100	ND	ND	ND	ND	ND	ND	ND	ND
Total PCBs	1,000	194	ND	ND	41	ND	ND	ND	ND	ND

Notes:
All concentrations are reported in parts per billion (ppb or ug/kg)
ftbg = feet below grade surface
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
NS = No Standard
SCOs = Soil Cleanup Objectives as per the NYSDEC Regulations 6 NYCRR Subpart 375-6 Remedial Program Soil Cleanup Objectives

Table 7. Summary of Waste Characterization in Soil

Parameter	6 NYCRR Part 371 and RCRA	Sample ID, Date Collected, and Depth (ftbg)					
		SB-01-COMP	SB-08-COMP	SB-17-COMP	SB-20-COMP	SB-22-COMP	SB-24-COMP
		11/25/2024	12/4/2024	12/6/2024	12/4/2024	12/6/2024	12/4/2024
		0-6.0	0-10.0	0-8.0	0-10.0	0-8.0	0-10.0
METALs	**ug/L**						
Barium	100,000	1,200	740	1,200	1,400	1,200	590
Lead	5,000	180	330	2,100	2,900	480	5,300
MISC. PARAMETERS (units)							
Reactivity Sulfide (mg/kg)	500	ND	ND	ND	ND	ND	ND
Reactivity Cyanide (mg/kg)	250	ND	ND	ND	ND	ND	ND
pH (SU)	2-12.5	7.3	6.7	6.7	8.1	8.0	6.6
Ignitability	>140 °F	Neg	Neg	Neg	Neg	Neg	Neg
TPHC Diesel Range Organics (mg/kg)	NS	92	87	980	370	120	160
TPHC Gasoiline Range Organics (mg/kg)	NS	ND	ND	150	ND	ND	ND

Notes:
ft bgs = feet below grade surface
NS = No Standard
ND = Compound not detected above method detection limit (see attached lab report for mdl's)
SU = Standard unit
mg/Kg = milligram per kilogram
ug/L = microgram per liter
°F = Degrees Fahrenheit

Shading = Concentration exceeds 6 NYCRR Part 371 and RCRA

APPENDIX A
GEOLOGIC BORING LOGS

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	TUBE
			NA	DIA.		5' macro	
				WT.			
				FALL			

BORING NO:	**SB-01**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 25, 2024**
DATE FINISHED:	**December 3, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	SAMPLE "S" NO.	SAMPLE "N" NO.	SAMPLE BLOWS PER 6"	REC% / RQD%	DESCRIPTION COLOR	DESCRIPTION CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1 – 6		S1, S2			NA	Dark brown	NA	0-6.0': Fill material, glass, tiles and wood pieces in martix of fine to medium sand with trace of clay.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Wet at 6'
6 – 8					40%	Dark gray	Medium loose	6.0-8.0': Fine to medium Sand, some gravel.	SW	PID: 0.0 ppm Moist
10								End of boring at 8 ftbg		

COMMENTS: Grab samples were collected at two depth: 0-2.0 ftbg and 5.5-6.0 ftbg. One Composite sample was collected from 0-6.0 ftbg. Soil was classified in accordance with the Soil Classification System (USCS). TWP was installed at at a depth of 17 ftbg (refusal) in this boring by direct push methods and no drill cuttings or core samples of the unconsolidated materials to 17 ftbgs are available for soil descriptions. No groundwater was encountared in the TWP, a groundwater sample was not collected.

PROJECT NO.: 24-165-0265

BORING NO.: SB-01

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

					CAS.	SAMPLER	TUBE
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		5' macro	
			NA	**DIA.**			
				WT.			
				FALL			

BORING NO:	**SB-02/SVP-02**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 25, 2024**
DATE FINISHED:	**December 3, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	SAMPLE "S" NO.	SAMPLE "N" NO.	SAMPLE BLOWS PER 6"	REC% / RQD%	DESCRIPTION COLOR	DESCRIPTION CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tiles and wood pieces in martix of fine to medium sand, gravel with trace of clay.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6										
8		S2			100%	Dark brown	Dense	6.0-8.0': Fill material, glass, tiles and wood pieces in martix of fine to medium sand with trace of clay.		PID: 0.0 ppm Moist
10								End of boring at 8 ftbg		
15										
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 7.5-8.0 ftbg.

Soil was classified in accordance with the Unified Soil Classification System (USCS).

SVP sample was collected at a depth of 10 ftbg at this boring location.

PROJECT NO.: 24-165-0265

BORING NO.: SB-02/SVP-02

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

					CAS.	SAMPLER	TUBE
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		5' macro	
			NA	**DIA.**			
				WT.			
				FALL			

BORING NO:	**SB-03**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 25, 2024**
DATE FINISHED:	**December 3, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	SAMPLE "S" NO.	SAMPLE "N" NO.	SAMPLE BLOWS PER 6"	REC% / RQD%	DESCRIPTION COLOR	DESCRIPTION CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown	NA	0-6.0': Fine to medium Sand and gravel.	SW	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6										
					100%	Dark brown to dark gray	Loose	6.0-7.0': Peat/organic material.	PT	PID: 0.0 ppm Moist
8		S2						7.0-8.0': Peat, some clay, trace of gravel.		
10								End of boring at 8 ftbg		
15										
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 7.5-8.0 ftbg.

Soil was classified in accordance with the Unified Soil Classification System (USCS).

PROJECT NO.: 24-165-0265

BORING NO.: SB-03

LiRo Engineers, Inc.

TEST BORING LOG

BORING NO:	**SB-04/TWP-04/SVP-04**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 25, 2024**
DATE FINISHED:	**December 3, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

PROJECT: Queens Botanical Garden Education Center New Construction

CLIENT: Department of Design and Construction - PV272EDUC

BORING CONTRACTOR: Associated Environmental Services, Ltd.

GROUNDWATER: NA

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	TUBE
			NA	DIA.		5' macro	
				WT.			
				FALL			

DEPTH FEET	STRATA	SAMPLE "S" NO.	SAMPLE "N" NO.	BLOWS PER 6"	REC% / RQD%	COLOR	CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown	NA	0-6.0': Fine to medium Sand and gravel.	SW	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6										
8		S2			100%	Dark brown to dark gray	Loose	6.0-7.0': Peat/organic material. 7.0-8.0': Peat, some clay, trace of gravel.	PT	PID: 0.0 ppm Moist
10								End of boring at 8 ftbg		
15										
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 7.5-8.0 ftbg.
Soil was classified in accordance with the Unified Soil Classification System (USCS).
TWP was installed at 20 ft at this boring by direct push methods and no drill cuttings or core samples of the unconsolidated materials are available for soil descrition. SVP sample was collected at a depth of 10 ftbg at this boring location.

PROJECT NO.: 24-165-0265

BORING NO.: SB-04/TWP-04/SVP-04

LiRo Engineers, Inc.

TEST BORING LOG

BORING NO:	**SB-05**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 26, 2024**
DATE FINISHED:	**December 3, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

PROJECT: Queens Botanical Garden Education Center New Construction

CLIENT: Department of Design and Construction - PV272EDUC

BORING CONTRACTOR: Associated Environmental Services, Ltd.

GROUNDWATER: NA

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	TUBE
			NA	DIA.		5' macro	
				WT.			
				FALL			

DEPTH FEET	SAMPLE STRATA	"S" NO.	"N" NO.	BLOWS PER 6"	REC% / RQD%	COLOR	CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown to dark reddish-brown	NA	0-6.0': Fill material, glass, tiles and wood pieces in martix of fine to medium sand with trace of clay.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6										
8		S2			90%	Dark brown to dark gray	Medium dense	6.0-8.0': Fill material and gravel, some clay.		PID: 0.0 ppm Moist
10								End of boring at 8 ftbg		
15										
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 7.5-8.0 ftbg.

Soil was classified in accordance with the Unified Soil Classification System (USCS).

PROJECT NO.: 24-165-0265

BORING NO.: SB-05

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

	CAS.	SAMPLER	TUBE
TYPE		5' macro	
DIA.			
WT.			
FALL			

DATE	TIME	LEVEL	TYPE
			NA

BORING NO:	**SB-06/TWP-06**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 25, 2024**
DATE FINISHED:	**December 3, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	SAMPLE "S" NO.	SAMPLE "N" NO.	SAMPLE BLOWS PER 6"	REC% / RQD%	DESCRIPTION COLOR	DESCRIPTION CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1 – 6		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tiles and wood pieces in martix of fine to medium sand with trace of clay and gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
6 – 8		S2			90%	Black to dark gray	Medium dense	6.0-8.0': Fine Sand, trace of clay, organic material, some gravel.	SC	PID: 0.0 ppm Moist
10								End of boring at 8 ftbg		

15 20 25 30

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 7.5-8.0 ftbg.
Soil was classified in accordance with the Unified Soil Classification System (USCS).
TWP was installed at 20 ft in this boring by direct push methods and no drill cuttings or core samples of the unconsolidated materials are available for soil descrition.

PROJECT NO.: 24-165-0265
BORING NO.: SB-06/TWP-06

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

					CAS.	SAMPLER	TUBE
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		5' macro	
			NA	**DIA.**			
				WT.			
				FALL			

BORING NO:	**SB-07/SVP-07**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 26, 2024**
DATE FINISHED:	**December 5, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	"S" NO.	"N" NO.	BLOWS PER 6"	REC% / RQD%	COLOR	CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tile pieces in martix of fine to medium Sand and gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6										
10		S2			80%	Dark brown to dark gray	Medium dense	6.0-10.0': Fill material in a matrix of fine to medium sand, some gravel, trace of clay.		PID: 0.0 ppm Moist
								End of boring at 10 ftbg.		
15										
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 9.5-10.0 ftbg.

Soil was classified in accordance with the Unified Soil Classification System (USCS).

SVP sample was collected at a depth of 10 ftbg at this boring location.

PROJECT NO.: 24-165-0265

BORING NO.: SB-07/SVP-07

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

	CAS.	SAMPLER	TUBE
TYPE		5' macro	
DIA.			
WT.			
FALL			

DATE	TIME	LEVEL	TYPE
			NA

BORING NO:	**SB-08**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 27, 2024**
DATE FINISHED:	**December 4, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tile pieces in martix of fine to medium Sand, some clay and gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6										
10		S2			90%	Black to dark gray	Medium dense	6.0-10.0': Fill material, glass, tile pieces in martix of fine to medium Sand, some clay and gravel.		PID: 0.0 ppm Moist
15								End of boring at 10 ftbg.		
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 9.5-10.0 ftbg. A Composite sample was collected from 0-10.0 ftbg. Soil was classified in accordance with the Unified Soil Classification System (USCS).

PROJECT NO.: 24-165-0265

BORING NO.: SB-08

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

	CAS.	SAMPLER	TUBE
TYPE		5' macro	
DIA.			
WT.			
FALL			

DATE	TIME	LEVEL	TYPE
			NA

BORING NO:	**SB-09/SVP-09**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 27, 2024**
DATE FINISHED:	**December 5, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	"S" NO.	"N" NO.	BLOWS PER 6"	REC% / RQD%	COLOR	CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown to brown	NA	0-6.0': Fill material, glass, tile pieces in martix of fine to medium Sand, trace of clay and gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6										
10		S2			90%	Dark gray to black	Medium dense	6.0-10.0': Fill material in a matrix of fine to medium sand, trace of clay and gravel.		PID: 0.0 ppm Moist
15								End of boring at 10 ftbg.		
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 9.5-10.0 ftbg.

Soil was classified in accordance with the Unified Soil Classification System (USCS).

SVP sample was collected at a depth of 10 ftbg at this boring location.

PROJECT NO.: 24-165-0265

BORING NO.: SB-09/SVP-09

LiRo Engineers, Inc.

TEST BORING LOG

BORING NO:	**SB-10/TWP-10/SVP-10**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**December 2, 2024**
DATE FINISHED:	**December 6, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

PROJECT: Queens Botanical Garden Education Center New Construction

CLIENT: Department of Design and Construction - PV272EDUC

BORING CONTRACTOR: Associated Environmental Services, Ltd.

GROUNDWATER: NA

	CAS.	SAMPLER	TUBE
TYPE		5' macro	
DIA.			
WT.			
FALL			

DATE	TIME	LEVEL	TYPE
			NA

DEPTH FEET	SAMPLE STRATA	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Brown	NA	0-6.0': Fill material, glass, tile pieces in martix of fine to medium Sand and small gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6					80%	Dark gray to black	Medium dense	6.0-8.0': Fill material, glass, tile pieces in martix of fine to medium Sand, trace of clay and gravel.		PID: 0.0 ppm Moist
8		S2								
10								End of boring at 8 ftbg		
15										
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 7.5-8.0 ftbg.

Soil was classified in accordance with the Unified Soil Classification System (USCS).

TWP was installed at 20 ft at this boring by direct pushmethods and no drill cuttings or core samples of the unconsolidated materials are available for soil descrition. SVP sample was collected at a depth of 10 ftbg at this boring location.

PROJECT NO.: 24-165-0265

BORING NO.: SB-10/TWP-10/SVP-10

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

	CAS.	SAMPLER	TUBE
TYPE		5' macro	
DIA.			
WT.			
FALL			

DATE	TIME	LEVEL	TYPE
			NA

BORING NO:	**SB-11**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**December 2, 2024**
DATE FINISHED:	**December 6, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	SAMPLE "S" NO.	SAMPLE "N" NO.	SAMPLE BLOWS PER 6"	REC% / RQD%	DESCRIPTION COLOR	DESCRIPTION CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tiles and wood pieces in martix of fine to medium sand with trace of clay and gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6										
8		S2			90%	Black to dark gray	Medium dense	6.0-8.0': Fill material, fine to medium sand trace of clay.		PID: 0.0 ppm Moist
10								End of boring at 8 ftbg		
15										
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 7.5-8.0 ftbg.

Soil was classified in accordance with the Unified Soil Classification System (USCS).

PROJECT NO.: 24-165-0265

BORING NO.: SB-11

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

					CAS.	SAMPLER	TUBE
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		5' macro	
			NA	**DIA.**			
				WT.			
				FALL			

BORING NO:	**SB-12/TWP-12**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**December 2, 2024**
DATE FINISHED:	**December 5, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	"S" NO.	"N" NO.	BLOWS PER 6"	REC% / RQD%	COLOR	CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Brown	NA	0-6.0': Fill material, glass, tile pieces in martix of fine to medium Sand and gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6										
10		S2			90%	Dark brown to black	Medium dense	6.0-10.0': Fill material, glass, tile pieces in martix of fine to medium Sand, trace of clay and gravel.		PID: 0.0 ppm Moist
15								End of boring at 10 ftbg.		
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 9.5-10.0 ftbg. Soil was classified in accordance with the Unified Soil Classification System (USCS). TWP was installed at 20 ft at this boring by direct push methods and no drill cuttings or core samples of the unconsolidated materials are available for soil descrition.

PROJECT NO.: 24-165-0265

BORING NO.: SB-12/TWP-12

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

					CAS.	SAMPLER	TUBE
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		5' macro	
			NA	**DIA.**			
				WT.			
				FALL			

BORING NO:	**SB-13/SVP-13**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 27, 2024**
DATE FINISHED:	**December 5, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	"S" NO.	"N" NO.	BLOWS PER 6"	REC% / RQD%	COLOR	CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tile pieces in martix of fine to medium Sand.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6										
10		S2			100%	Dark brown to black	Medium dense	6.0-10.0': Fill material in a matrix of fine to medium sand, trace of clay and gravel.		PID: 0.0 ppm Moist
15								End of boring at 10 ftbg.		
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 9.5-10.0 ftbg.

Soil was classified in accordance with the Unified Soil Classification System (USCS).

SVP sample was collected at a depth of 10 ftbg at this boring location.

PROJECT NO.: 24-165-0265

BORING NO.: SB-13/SVP-13

LiRo Engineers, Inc.

TEST BORING LOG

BORING NO:	**SB-14/TWP-14**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 27, 2024**
DATE FINISHED:	**December 4, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

PROJECT: Queens Botanical Garden Education Center New Construction

CLIENT: Department of Design and Construction - PV272EDUC

BORING CONTRACTOR: Associated Environmental Services, Ltd.

GROUNDWATER: NA

DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	TUBE
			NA	DIA.		5' macro	
				WT.			
				FALL			

DEPTH FEET	SAMPLE STRATA	"S" NO.	"N" NO.	BLOWS PER 6"	REC% / RQD%	COLOR	CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tile pieces in martix of fine to medium Sand and gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6										
10		S2			100%	Black to dark gray	Medium dense	6.0-10.0': Fill material, glass, tile pieces in martix of fine to medium Sand, clay and gravel.		PID: 0.0 ppm Moist
								End of boring at 10 ftbg.		
15										
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 9.5-10.0 ftbg. Soil was classified in accordance with the Unified Soil Classification System (USCS). TWP was installed at 20 ft at this boring by direct push methods and no drill cuttings or core samples of the unconsolidated materials are available for soil descrition.

PROJECT NO.: 24-165-0265

BORING NO.: SB-14/TWP-14

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

					CAS.	SAMPLER	TUBE
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		5' macro	
			NA	**DIA.**			
				WT.			
				FALL			

BORING NO:	**SB-15**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 25, 2024**
DATE FINISHED:	**December 3, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	"S" NO.	"N" NO.	BLOWS PER 6"	REC% / RQD%	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tiles and wood pieces in martix of fine to medium sand and gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6										
8		S2			90%	Dark gray	Medium dense	6.0-8.0': Fill material, fine to medium sand trace of clay and gravel.		PID: 0.0 ppm Moist
10								End of boring at 8 ftbg		
15										
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 7.5-8.0 ftbg.
Soil was classified in accordance with the Unified Soil Classification System (USCS).

PROJECT NO.: 24-165-0265
BORING NO.: SB-15

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

					CAS.	SAMPLER	TUBE
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		5' macro	
			NA	**DIA.**			
				WT.			
				FALL			

BORING NO:	**SB-16/SVP-16**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 25, 2024**
DATE FINISHED:	**December 4, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	SAMPLE "S" NO.	SAMPLE "N" NO.	SAMPLE BLOWS PER 6"	REC% / RQD%	DESCRIPTION COLOR	DESCRIPTION CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1 – 6		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tiles pieces and ash in martix of fine to medium sand and gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
6 – 8		S2			50%	Dark brown	Medium dense	6.0-8.0': Fill material, glass, tiles and wood pieces and ash in martix of fine sand with trace of clay and gravel.		PID: 0.0 ppm Moist
10								End of boring at 8 ftbg		

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 7.5-8.0 ftbg.

Soil was classified in accordance with the Unified Soil Classification System (USCS).

SVP sample was collected at a depth of 10 ftbg at this boring location.

PROJECT NO.: 24-165-0265

BORING NO.: SB-16/SVP-16

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

					CAS.	SAMPLER	TUBE
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		5' macro	
			NA	**DIA.**			
				WT.			
				FALL			

BORING NO:	**SB-17**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**December 2, 2024**
DATE FINISHED:	**December 6, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	SAMPLE "S" NO.	SAMPLE "N" NO.	SAMPLE BLOWS PER 6"	REC% / RQD%	DESCRIPTION COLOR	DESCRIPTION CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tiles pieces in martix of fine to medium sand and gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6										
8		S2			90%	Dark gray to black	Medium dense	6.0-8.0': Fill material, trace of clay and gravel.		PID: 0.0 ppm Moist
10								End of boring at 8 ftbg		
15										
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 7.5-8.0 ftbg. Composite sample collected from 0-8.0 ftbg. Soil was classified in accordance with the Unified Soil Classification System (USCS).

PROJECT NO.: 24-165-0265

BORING NO.: SB-17

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

					CAS.	SAMPLER	TUBE
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		5' macro	
			NA	**DIA.**			
				WT.			
				FALL			

BORING NO:	**SB-18/SVP-18**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 27, 2024**
DATE FINISHED:	**December 5, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	SAMPLE "S" NO.	SAMPLE "N" NO.	SAMPLE BLOWS PER 6"	REC% / RQD%	DESCRIPTION COLOR	DESCRIPTION CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tile pieces in martix of fine to medium sand and gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6					90%	Dark brown to dark red brown	Medium dense	6.0-8.0': Fill material, glass, tile pieces in martix of fine to medium sand and gravel.		PID: 0.0 ppm Moist
8		S2								
10								End of boring at 8 ftbg		
15										
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 7.5-8.0 ftbg.

Soil was classified in accordance with the Unified Soil Classification System (USCS).

SVP sample was collected at a depth of 10 ftbg at this boring location.

PROJECT NO.: 24-165-0265

BORING NO.: SB-18/SVP-18

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

					CAS.	SAMPLER	TUBE
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		5' macro	
			NA	**DIA.**			
				WT.			
				FALL			

BORING NO:	**SB-19/SVP-19**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 27, 2024**
DATE FINISHED:	**December 4, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tile pieces in martix of fine to medium Sand and gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6										
10		S2			100%	Black	Medium dense	6.0-10.0': Fill material, glass, tile and treated timber wood pieces in a matrix of fine sand, clay and gravel.		PID: 54 ppm @ 9.5 Some PT odor Moist
15								End of boring at 10 ftbg.		
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 9.5-10.0 ftbg.

Soil was classified in accordance with the Unified Soil Classification System (USCS).

SVP sample was collected at a depth of 10 ftbg at this boring location.

PROJECT NO.: 24-165-0265

BORING NO.: SB-19/SVP-19

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

					CAS.	SAMPLER	TUBE
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		5' macro	
			NA	**DIA.**			
				WT.			
				FALL			

BORING NO:	**SB-20/SVP-20**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 26, 2024**
DATE FINISHED:	**December 4, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	"S" NO.	"N" NO.	BLOWS PER 6"	REC% / RQD%	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tile pieces in martix of fine to medium Sand and gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6										
10		S2			100%	Black to dark gray	Medium dense	6.0-10.0': Fill material in a matrix of fine to medium sand, some clay and gravel.		PID: 0.0 ppm Moist
15								End of boring at 10 ftbg.		
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 9.5-10.0 ftbg.

Soil was classified in accordance with the Unified Soil Classification System (USCS).

SVP sample was collected at a depth of 10 ftbg at this boring location.

PROJECT NO.: 24-165-0265

BORING NO.: SB-20/SVP-20

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

	CAS.	SAMPLER	TUBE
TYPE		5' macro	
DIA.			
WT.			
FALL			

DATE	TIME	LEVEL	TYPE
			NA

BORING NO:	**SB-21/TWP-21**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 25, 2024**
DATE FINISHED:	**December 5, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	SAMPLE "S" NO.	SAMPLE "N" NO.	SAMPLE BLOWS PER 6"	REC% / RQD%	DESCRIPTION COLOR	DESCRIPTION CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tile and wood pieces in martix of fine to medium sand and gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6										
8		S2			100%	Dark gray to black	Dense	6.0-8.0': Fill material in a matrix of fine sand, some clay, some gravel.		PID: 0.0 ppm Moist
10								End of boring at 8 ftbg		
15										
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 7.5-8.0 ftbg.
Soil was classified in accordance with the Unified Soil Classification System (USCS).
TWP was installed at 20 ft at this boring by direct push methods and no drill cuttings or core samples of the unconsolidated materials are available for soil descrition.

PROJECT NO.: 24-165-0265
BORING NO.: SB-21/TWP-21

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

					CAS.	SAMPLER	TUBE
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		5' macro	
			NA	**DIA.**			
				WT.			
				FALL			

BORING NO:	**SB-22/SVP-22**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**December 2, 2024**
DATE FINISHED:	**December 6, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	SAMPLE "S" NO.	SAMPLE "N" NO.	SAMPLE BLOWS PER 6"	REC% / RQD%	DESCRIPTION COLOR	DESCRIPTION CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tile pieces in martix of fine to medium sand and gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6					80%	Dark brown to brown	Medium dense	6.0-8.0': Fill material, glass, tile pieces in martix of fine to medium sand and gravel.		PID: 0.0 ppm Moist
8		S2								
10								End of boring at 8 ftbg		
15										
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 7.5-8.0 ftbg. One Composite sample was collected from 0-8.0 ftbg. Soil was classified in accordance with the Unified Soil Classification System (USCS). SVP sample was collected at a depth of 10 ftbg at this boring location.

PROJECT NO.: 24-165-0265

BORING NO.: SB-22/SVP-22

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

					CAS.	SAMPLER	TUBE
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		5' macro	
			NA	**DIA.**			
				WT.			
				FALL			

BORING NO:	**SB-23**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 26, 2024**
DATE FINISHED:	**December 3, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	"S" NO.	"N" NO.	BLOWS PER 6"	REC% / RQD%	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS
1 – 6		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tile pieces in martix of fine to medium Sand, some gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
6 – 10		S2			100%	Dark gray	Medium dense	6.0-10.0': Fill material, glass, tile pieces in martix of fine Sand, clay, organic/peat, trace of gravel.		PID: 0.0 ppm Moist
10								End of boring at 10 ftbg.		

15 20 25 30

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 9.5-10.0 ftbg.

Soil was classified in accordance with the Unified Soil Classification System (USCS).

PROJECT NO.: 24-165-0265

BORING NO.: SB-23

LiRo Engineers, Inc.

TEST BORING LOG

BORING NO:	**SB-24/TWP-24/SVP-24**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 26, 2024**
DATE FINISHED:	**December 4, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

PROJECT: Queens Botanical Garden Education Center New Construction

CLIENT: Department of Design and Construction - PV272EDUC

BORING CONTRACTOR: Associated Environmental Services, Ltd.

GROUNDWATER: NA

					CAS.	SAMPLER	TUBE
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		5' macro	
			NA	**DIA.**			
				WT.			
				FALL			

DEPTH FEET	SAMPLE STRATA	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	COLOR	CONSISTENCY HARDNESS	DESCRIPTION MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tile pieces in martix of fine to medium Sand and gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6					100%	Dark gray to black	Medium dense	6.0-8.0': Fill material, glass, tile pieces in martix of fine Sand, clay and organic/peat.		PID: 0.0 ppm Moist
10		S2								
								End of boring at 8 ftbg		
15										
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 9.5-10.0 ftbg. One Composite sample was collected from 0-10.0 ftbg. Soil was classified in accordance with the Unified Soil Classification System (USCS). TWP was installed at 20 ft at this boring by direct push methods and no drill cuttings or coresamples of the unconsolidated materials are available for soil descrition. SVP sample was collected at a depth of 10 ftbg at this boring location.

PROJECT NO.: 24-165-0265

BORING NO.: SB-24/TWP-24/SVP-24

LiRo Engineers, Inc.

TEST BORING LOG

PROJECT:	Queens Botanical Garden Education Center New Construction
CLIENT:	Department of Design and Construction - PV272EDUC
BORING CONTRACTOR:	Associated Environmental Services, Ltd.
GROUNDWATER:	NA

					CAS.	SAMPLER	TUBE
DATE	**TIME**	**LEVEL**	**TYPE**	**TYPE**		5' macro	
			NA	**DIA.**			
				WT.			
				FALL			

BORING NO:	**SB-25**
SHEET:	**1 of 1**
JOB NO.:	**24-165-0265**
LOCATION:	**43-50 Main Street**
GROUND ELEVATION:	**NA**
DATE STARTED:	**November 26, 2024**
DATE FINISHED:	**December 3, 2024**
DRILLER:	**Edgar Lucero**
GEOLOGIST:	**Eva Jakubowska**
REVIEWED BY:	**Tom Fralick**

DEPTH FEET	SAMPLE STRATA	"S" NO.	"N" NO.	BLOWS PER 6"	REC% RQD%	DESCRIPTION COLOR	CONSISTENCY HARDNESS	MATERIAL DESCRIPTION	USCS	REMARKS
1		S1			NA	Dark brown	NA	0-6.0': Fill material, glass, tile pieces in martix of fine to medium Sand, some gravel.	FILL	Hand cleared to 6.0 ftbg PID: 0.0 ppm Moist
5										
6										
10		S2			100%	Black to dark gray	Medium dense	6.0-10.0': Fill material, glass, tile pieces in martix of fine Sand, clay, organic/peat, trace of gravel.		PID: 0.0 ppm Moist
								End of boring at 10 ftbg.		
15										
20										
25										
30										

COMMENTS: Grab samples were collected at two depths: 0-2.0 ftbg and 9.5-10.0 ftbg.

Soil was classified in accordance with the Unified Soil Classification System (USCS).

PROJECT NO.: 24-165-0265

BORING NO.: SB-25

APPENDIX B
LABORATORY ANALYTICAL RESULTS

Hampton-Clarke
Analytical & Field Services

175 US Highway 46, STE D · Fairfield, NJ 07004-2327
2 Madison Road, Fairfield, NJ 07004-2327
800-426-9992 · 973-244-9770
FAX: 973-244-9787
WWW.HCVLAB.COM

Project: Queens Botanial Gardens

Client PO: Not Available

Report To: LIRO Engineers, Inc.
703 Lorimer Street
Brooklyn, NY 11211
Attn: Steve Frank/Amy Hewson

Received Date: 11/27/2024

Report Date: 12/18/2024

Deliverables: NYDOH-S

Lab ID: AD48435

Lab Project No: 4112730

Sean Berls - Quality Assurance Officer OR **Jean Revolus - Laboratory Director**

NJ (07071) NY (ELAP11408) CT (PH-0671)
PA (68-00463) KY (90124)

Sample Summary

Client: LIRO Engineers, Inc.
Project: Queens Botanial Gardens

HC Project #: 4112730

Lab#	SampleID	Matrix	Collection Date	Receipt Date
AD48435-001	SB-01-0-2.0'	Soil	11/25/2024	11/27/2024
AD48435-002	SB-02-0-2.0'	Soil	11/25/2024	11/27/2024
AD48435-003	SB-02-0-2.0' DUP	Soil	11/25/2024	11/27/2024
AD48435-004	SB-03-0-2.0'	Soil	11/25/2024	11/27/2024
AD48435-005	SB-04-0-2.0'	Soil	11/25/2024	11/27/2024
AD48435-006	SB-01-5.5-6.0'	Soil	11/25/2024	11/27/2024
AD48435-007	SB-01-COMP	Soil	11/25/2024	11/27/2024
AD48435-008	SB-06-0-2.0'	Soil	11/25/2024	11/27/2024
AD48435-009	SB-16-0-2.0'	Soil	11/25/2024	11/27/2024
AD48435-010	SB-21-0-2.0'	Soil	11/25/2024	11/27/2024
AD48435-011	SB-15-0-2.0'	Soil	11/25/2024	11/27/2024
AD48435-012	SB-20-0-2.0'	Soil	11/26/2024	11/27/2024
AD48435-013	SB-05-0-2.0'	Soil	11/26/2024	11/27/2024
AD48435-014	SB-05-0-2.0' DUP	Soil	11/26/2024	11/27/2024
AD48435-015	SB-07-0-2.0'	Soil	11/26/2024	11/27/2024
AD48435-016	SB-23-0-2.0'	Soil	11/26/2024	11/27/2024
AD48435-017	SB-24-0-2.0'	Soil	11/26/2024	11/27/2024
AD48435-018	SB-25-0-2.0'	Soil	11/26/2024	11/27/2024
AD48435-019	SB-19-0-2.0'	Soil	11/27/2024	11/27/2024
AD48435-020	SB-14-0-2.0'	Soil	11/27/2024	11/27/2024
AD48435-021	SB-13-0-2.0'	Soil	11/27/2024	11/27/2024
AD48435-022	SB-18-0-2.0'	Soil	11/27/2024	11/27/2024
AD48435-023	SB-08-0-2.0'	Soil	11/27/2024	11/27/2024
AD48435-024	SB-09-0-2.0'	Soil	11/27/2024	11/27/2024
AD48435-025	Trip Blank	Aqueous	11/27/2024	11/27/2024

Laboratory Chronicle

Client: LIRO Engineers, Inc. **HC Project #:** 4112730

Project: Queens Botanial Gardens

Lab#: AD48435-001 **Sample ID: SB-01-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 11:39	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 11:06	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 09:59	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 17:33	CN	EPA 8270E	12/6/24 12:10	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 20:47	PC
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/4/24 23:17	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/2/24 11:51	WP/MD/VJ/SG

Lab#: AD48435-002 **Sample ID: SB-02-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 11:52	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 11:18	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 10:12	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 17:33	CN	EPA 8270E	12/6/24 12:31	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 21:34	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/3/24 20:01	WP/SG/MD/VJ

Lab#: AD48435-003 **Sample ID: SB-02-0-2.0' DUP**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 11:53	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 10:42	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 10:25	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 17:33	CN	EPA 8270E	12/6/24 12:53	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 21:39	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/2/24 12:14	WP/MD/VJ/SG

Laboratory Chronicle

Client: LIRO Engineers, Inc. **HC Project #:** 4112730

Project: Queens Botanial Gardens

Lab#: AD48435-004 **Sample ID: SB-03-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 11:55	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 10:54	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 10:37	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 17:33	CN	EPA 8270E	12/6/24 13:15	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 21:44	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/3/24 20:22	WP/SG/MD/VJ

Lab#: AD48435-005 **Sample ID: SB-04-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 11:56	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 10:29	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 14:26	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 17:33	CN	EPA 8270E	12/8/24 17:49	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 21:49	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/3/24 20:43	WP/SG/MD/VJ

Lab#: AD48435-006 **Sample ID: SB-01-5.5-6.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 11:57	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 10:17	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 10:50	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 17:33	CN	EPA 8270E	12/6/24 13:58	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 21:54	PC
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/4/24 23:48	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/3/24 21:04	WP/SG/MD/VJ

Laboratory Chronicle

Client: LIRO Engineers, Inc. **HC Project #:** 4112730

Project: Queens Botanial Gardens

Lab#: AD48435-007 **Sample ID: SB-01-COMP**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Diesel Range Organics 8015D(C10-C28)	Mod. Shaker	12/02/24 14:57	marie	EPA 8015D	12/3/24 17:03	AH/ABM/KT/JR
Gasoline range organics 8015D(C6-C10)	EPA5030/5035			EPA 8015D	12/5/24 14:57	WP/MD
Ignitability (EPA 1030)		12/02/24	Kwilson	EPA 1030	12/2/24 00:00	Kwilson
Mercury (TCLP) 7470A	EPA 7470A	12/03/24 11:30	pcousineau	EPA 7470A	12/3/24 15:37	AH
pH 9045D				9045D	12/2/24 10:40	DC
Reactive Cyanide	SW846 7.3	12/02/24	Prana	SW846 7.3	12/2/24 18:28	jmp
Reactive Sulfide	SW846 7.3	12/02/24	PR	SW846 7.3	12/3/24 00:00	JMP
TCLP Metals 6010D	3005&10/3050	12/03/24 11:30	pcousineau	EPA 6010D	12/3/24 16:06	SB
TCLP Metals Extraction 1311	EPA 1311	12/02/24 13:27	dciufalo		12/3/24 11:30	dciufalo

Lab#: AD48435-008 **Sample ID: SB-06-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 11:59	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 10:05	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 11:03	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 17:33	CN	EPA 8270E	12/6/24 14:20	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 21:58	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/3/24 21:25	WP/SG/MD/VJ

Lab#: AD48435-009 **Sample ID: SB-16-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 12:00	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 12:52	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 11:16	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 17:33	CN	EPA 8270E	12/6/24 14:41	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 22:03	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/3/24 21:46	WP/SG/MD/VJ

Laboratory Chronicle

Client: LIRO Engineers, Inc. **HC Project #:** 4112730

Project: Queens Botanial Gardens

Lab#: AD48435-010 **Sample ID: SB-21-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 12:02	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 12:40	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 11:29	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 17:33	CN	EPA 8270E	12/6/24 15:03	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 22:08	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/3/24 22:08	WP/SG/MD/VJ

Lab#: AD48435-011 **Sample ID: SB-15-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 12:03	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 13:17	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 11:41	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 17:33	CN	EPA 8270E	12/6/24 15:24	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 22:13	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/3/24 22:29	WP/SG/MD/VJ

Lab#: AD48435-012 **Sample ID: SB-20-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 13:26	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 13:04	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 11:54	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 10:17	Lynda	EPA 8270E	12/6/24 02:06	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 22:33	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/3/24 22:50	WP/SG/MD/VJ

Laboratory Chronicle

Client: LIRO Engineers, Inc. **HC Project #:** 4112730

Project: Queens Botanial Gardens

Lab#: AD48435-013 **Sample ID: SB-05-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 13:27	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 11:54	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 12:07	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 10:17	Lynda	EPA 8270E	12/6/24 03:33	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 22:38	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/3/24 23:11	WP/SG/MD/VJ

Lab#: AD48435-014 **Sample ID: SB-05-0-2.0' DUP**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 13:28	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 11:30	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 12:20	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 10:17	Lynda	EPA 8270E	12/6/24 03:55	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 22:43	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/3/24 23:32	WP/SG/MD/VJ

Lab#: AD48435-015 **Sample ID: SB-07-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 13:30	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 09:41	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 16:37	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 10:17	Lynda	EPA 8270E	12/6/24 01:45	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 22:48	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/3/24 23:53	WP/SG/MD/VJ

Laboratory Chronicle

Client: LIRO Engineers, Inc. **HC Project #:** 4112730

Project: Queens Botanial Gardens

Lab#: AD48435-016 **Sample ID: SB-23-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 13:31	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 11:42	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 12:32	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 10:17	Lynda	EPA 8270E	12/6/24 15:46	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 22:53	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/4/24 00:15	WP/SG/MD/VJ

Lab#: AD48435-017 **Sample ID: SB-24-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 13:33	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 09:53	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 12:45	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 10:17	Lynda	EPA 8270E	12/6/24 03:12	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 22:58	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/4/24 00:36	WP/SG/MD/VJ

Lab#: AD48435-018 **Sample ID: SB-25-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 13:34	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 14:05	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 12:58	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 10:17	Lynda	EPA 8270E	12/6/24 01:23	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 23:03	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/4/24 00:57	WP/SG/MD/VJ

Laboratory Chronicle

Client: LIRO Engineers, Inc. **HC Project #:** 4112730

Project: Queens Botanial Gardens

Lab#: AD48435-019 **Sample ID: SB-19-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 13:35	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 14:21	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 13:11	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 10:17	Lynda	EPA 8270E	12/6/24 01:01	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 23:07	PC
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/5/24 00:10	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/4/24 01:18	WP/SG/MD/VJ

Lab#: AD48435-020 **Sample ID: SB-14-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 13:37	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 13:41	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 13:24	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 10:17	Lynda	EPA 8270E	12/6/24 16:08	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 23:12	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/4/24 01:39	WP/SG/MD/VJ

Lab#: AD48435-021 **Sample ID: SB-13-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/03/24 13:03	jleary	EPA 7471B	12/5/24 13:38	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 13:29	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 13:36	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 10:17	Lynda	EPA 8270E	12/6/24 00:39	AH/JB
TAL Metals 6020B	3005&10/3050	12/03/24 13:45	jleary	EPA 6020B	12/3/24 23:33	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/5/24 00:33	WP/MD/VJ/SG

Laboratory Chronicle

Client: LIRO Engineers, Inc. **HC Project #:** 4112730

Project: Queens Botanial Gardens

Lab#: AD48435-022 **Sample ID: SB-18-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/02/24 11:15	Ahiga	EPA 7471B	12/3/24 13:05	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 09:05	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 13:49	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 10:17	Lynda	EPA 8270E	12/6/24 02:28	AH/JB
TAL Metals 6020B	3005&10/3050	12/02/24 08:00	Ahiga	EPA 6020B	12/3/24 04:25	PC
TAL Metals 6020B	3005&10/3050	12/02/24 08:00	Ahiga	EPA 6020B	12/3/24 12:42	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/4/24 22:09	WP/SG/MD/VJ

Lab#: AD48435-023 **Sample ID: SB-08-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/02/24 11:15	Ahiga	EPA 7471B	12/3/24 13:07	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 09:17	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 14:02	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 10:17	Lynda	EPA 8270E	12/6/24 02:50	AH/JB
TAL Metals 6020B	3005&10/3050	12/02/24 08:00	Ahiga	EPA 6020B	12/3/24 04:31	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/4/24 23:50	WP/MD/VJ/SG

Lab#: AD48435-024 **Sample ID: SB-09-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/2/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/02/24 11:15	Ahiga	EPA 7471B	12/3/24 13:08	AH
Organochlorine Pesticides 8081	3510C/3541	12/05/24 19:30	marie	EPA 8081B	12/6/24 09:29	AH/PR/KM
PCB 8082	3510C/3541	12/05/24 19:30	marie	EPA 8082A	12/6/24 14:15	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/05/24 10:17	Lynda	EPA 8270E	12/5/24 18:10	AH/JB
TAL Metals 6020B	3005&10/3050	12/02/24 08:00	Ahiga	EPA 6020B	12/3/24 04:36	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/5/24 00:12	WP/MD/VJ/SG

Lab#: AD48435-025 **Sample ID: Trip Blank**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/3/24 19:13	WP/SG/MD/VJ

HC Case Narrative

Client: LIRO Engineers, Inc. **HC Project:** 4112730
Project: Queens Botanical Gardens

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Acetone was recovered in sample AD48435-025 due to possible laboratory contamination.

The Method Blank Spike for batches 120149, 120165, 120173 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries. Please refer to Form 4 to see which samples are associated with the Method Blank Spike.

The MSD RPD for batch 120149 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The Matrix Spike and/or Matrix Spike Duplicate for batch 120165 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 120173 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Sample AD48475-001(MS) had one or more surrogate recoveries outside QC limits. Please refer to the applicable Form 2 for the recoveries.

Base Neutral/Acid Extractable Analysis:

The Method Blank Spike for batches 119814, 119832 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries. Please refer to Form 4 to see which samples are associated with the Method Blank Spike.

The MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batch 119813 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The Matrix Spike for batch 119814 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

PCB Analysis:

Sample AD48435-001, -006 has a surrogate recovery outside QC limits. Please refer to the applicable Form 2 for the recoveries.

Pesticide Analysis:

Sample AD48435-001, -006 has a surrogate recovery outside QC limits. Please refer to the applicable Form 2 for the recoveries.

Diesel Range Organics Analysis:

Data conforms to method requirements.

Gasoline Range Organics Analysis:

Data conforms to method requirements.

Metals Analysis:

The Post Spike, Matrix Spike and/or Matrix Spike Duplicate for batches 116680, 116681 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The RPD between the QC sample and the Method Replicate had recoveries outside QC limits in batch 116681. Please refer to the applicable Form 6/9 for the recoveries.

The MS/MSD RPD had recoveries outside QC limits in batch 116681. Please refer to the applicable Form 6/9 for the recoveries.

The serial dilution for batch 116680 is outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Sample AD48435-022 was reported at a dilution for Cr due to concentration over linear range.

Sample AD48435-006 was reported at a dilution for Pb due to concentration over linear range.

Sample AD48435-019 was reported at a dilution for Zn due to concentration over linear range.

TCLP Metals Analysis:

Data conforms to method requirements.

Wet Chemistry Analysis:

Sample AD48435-007 was analyzed for Reactivity using SW-846 7.3. SW-846 7.3 is not a NELAP accredited parameter.

Sean Berls
Quality Assurance Officer

Or

Jean Revolus
Laboratory Director

12/18/14
Date

FORM2

Surrogate Recovery

Method: EPA 8260D

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
1M131254.D	DAILY BLANK	S	12/03/24 16:48	1		97	62	104	96		
1M131294.D	DAILY BLANK	S	12/04/24 12:42	1		98	64	102	96		
1M195812.D	DAILY BLANK	A	12/03/24 12:00	1		110	92	96	94		
6M189400.D	DAILY BLANK	S	12/02/24 11:06	1		107	126	108	97		
6M189512.D	DAILY BLANK	S	12/04/24 15:52	1		103	128	119	101		
6M189402.D	AD48435-001	S	12/02/24 11:51	1		103	129	115	110		
1M131263.D	AD48435-002	S	12/03/24 20:01	1		100	65	107	106		
6M189403.D	AD48435-003	S	12/02/24 12:14	1		107	137	109	108		
1M131264.D	AD48435-004	S	12/03/24 20:22	1		99	65	103	104		
1M131265.D	AD48435-005	S	12/03/24 20:43	1		98	64	101	99		
1M131266.D	AD48435-006	S	12/03/24 21:04	1		98	64	108	113		
1M131267.D	AD48435-008	S	12/03/24 21:25	1		100	64	104	103		
1M131268.D	AD48435-009	S	12/03/24 21:46	1		99	68	107	107		
1M131269.D	AD48435-010	S	12/03/24 22:08	1		100	67	102	103		
1M131270.D	AD48435-011	S	12/03/24 22:29	1		101	67	104	100		
1M131271.D	AD48435-012	S	12/03/24 22:50	1		102	67	107	105		
1M131272.D	AD48435-013	S	12/03/24 23:11	1		98	66	103	103		
1M131273.D	AD48435-014	S	12/03/24 23:32	1		99	67	103	102		
1M131274.D	AD48435-015	S	12/03/24 23:53	1		102	67	112	108		
1M131275.D	AD48435-016	S	12/04/24 00:15	1		100	67	106	105		
1M131276.D	AD48435-017	S	12/04/24 00:36	1		99	69	103	103		
1M131277.D	AD48435-018	S	12/04/24 00:57	1		99	67	103	100		
1M131278.D	AD48435-019	S	12/04/24 01:18	1		101	68	108	105		
1M131279.D	AD48435-020	S	12/04/24 01:39	1		100	66	107	105		
6M189536.D	AD48435-021	S	12/05/24 00:33	1		109	138	105	104		
1M131316.D	AD48435-022	S	12/04/24 22:09	1		98	67	101	116		
6M189534.D	AD48435-023	S	12/04/24 23:50	1		108	132	108	111		
6M189535.D	AD48435-024	S	12/05/24 00:12	1		105	124	107	107		
1M195833.D	AD48435-025	A	12/03/24 19:13	1		116	100	93	92		
1M131255.D	AD48430-005	S	12/03/24 17:11	1		98	67	101	98		
1M131258.D	MBS120165	S	12/03/24 18:15	1		94	64	104	100		
1M131259.D	AD48430-005(MS)	S	12/03/24 18:36	1		95	62	105	98		
1M131260.D	AD48430-005(MSD)	S	12/03/24 18:57	1		94	62	105	99		
1M131295.D	AD48475-001	S	12/04/24 13:03	1		100	67	140	97		
1M131299.D	MBS120173	S	12/04/24 14:28	1		97	62	103	98		
1M131300.D	AD48475-001(MS)	S	12/04/24 14:49	1		98	62	102	189*		
1M131306.D	AD48475-001(MSD)	S	12/04/24 18:24	1		114	72	93	101		
1M195818.D	MBS120160	A	12/03/24 14:05	1		106	89	96	95		
6M189404.D	MBS120149	S	12/02/24 12:37	1		107	130	111	101		
6M189405.D	AD48435-003(MS)	S	12/02/24 13:00	1		107	140	115	106		
6M189406.D	AD48435-003(MSD)	S	12/02/24 13:23	1		104	135	110	105		
6M189513.D	AD48479-001	S	12/04/24 16:14	1		100	133	114	95		
6M189516.D	MBS120171	S	12/04/24 17:19	1		103	131	106	98		
6M189517.D	AD48479-001(MS)	S	12/04/24 17:41	1		102	131	110	103		
6M189518.D	AD48479-001(MSD)	S	12/04/24 18:03	1		105	135	107	104		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260D

Soil Laboratory Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	48-156
S2=1,2-Dichloroethane-d4	30	56-154
S3=Toluene-d8	30	48-145
S4=Bromofluorobenzene	30	46-151

Aqueous Laboratory Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	82-120
S2=1,2-Dichloroethane-d4	30	81-123
S3=Toluene-d8	30	75-121
S4=Bromofluorobenzene	30	77-125

Form3
Recovery Data Laboratory Limits
QC Batch:MBS120149

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M189404.D	MBS120149	12/2/2024 12:37:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	44.8383	0	50	90	10	168
Dichlorodifluoromethane	1	28.6153	0	50	57	10	150
Chloromethane	1	28.8585	0	50	58	12	150
Bromomethane	1	24.4239	0	50	49	23	136
Vinyl Chloride	1	25.3802	0	50	51	21	153
Chloroethane	1	30.5579	0	50	61	33	147
Trichlorofluoromethane	1	33.5071	0	50	67	29	156
Ethyl ether	1	46.4763	0	50	93	10	141
Furan	1	50.8531	0	50	102	22	152
1,1,2-Trichloro-1,2,2-trifluoroethane	1	59.2856	0	50	119	32	149
Methylene Chloride	1	50.7665	0	50	102	35	147
Acrolein	1	227.8259	0	200	114	10	149
Acrylonitrile	1	46.7009	0	50	93	20	130
Iodomethane	1	53.536	0	50	107	10	152
Acetone	1	216.8649	0	200	108	22	222
Carbon Disulfide	1	68.845	0	50	138*	18	135
t-Butyl Alcohol	1	288.994	0	200	144	38	178
n-Hexane	1	66.4162	0	50	133	11	154
Di-isopropyl-ether	1	52.4749	0	50	105	38	150
1,1-Dichloroethene	1	61.2847	0	50	123	31	165
Methyl Acetate	1	49.7853	0	50	100	10	237
Methyl-t-butyl ether	1	58.6666	0	50	117	40	151
1,1-Dichloroethane	1	58.7007	0	50	117	41	149
trans-1,2-Dichloroethene	1	54.1025	0	50	108	33	150
Ethyl-t-butyl ether	1	58.7876	0	50	118	22	184
cis-1,2-Dichloroethene	1	60.9923	0	50	122	33	146
Bromochloromethane	1	54.8528	0	50	110	38	143
2,2-Dichloropropane	1	69.8643	0	50	140	38	161
Ethyl acetate	1	54.2499	0	50	108	10	130
1,4-Dioxane	1	2663.475	0	2500	107	35	151
1,1-Dichloropropene	1	64.9986	0	50	130	34	149
Chloroform	1	60.4989	0	50	121	41	145
Cyclohexane	1	66.2181	0	50	132	25	148
1,2-Dichloroethane	1	63.2611	0	50	127	37	143
2-Butanone	1	55.5927	0	50	111	21	163
1,1,1-Trichloroethane	1	65.0928	0	50	130	38	149
Carbon Tetrachloride	1	64.3985	0	50	129	33	150
Vinyl Acetate	1	54.9162	0	50	110	10	112
Bromodichloromethane	1	61.0429	0	50	122	36	146
Methylcyclohexane	1	65.8797	0	50	132	15	147
Dibromomethane	1	42.0831	0	50	84	32	144
1,2-Dichloropropane	1	55.5996	0	50	111	40	144
Trichloroethene	1	49.4758	0	50	99	24	161
Benzene	1	56.1449	0	50	112	38	146
tert-Amyl methyl ether	1	60.708	0	50	121	10	240
Iso-propylacetate	1	61.8459	0	50	124	10	139
Methyl methacrylate	1	60.6401	0	50	121	10	224
Dibromochloromethane	1	52.3529	0	50	105	32	140
2-Chloroethylvinylether	1	69.4624	0	50	139	10	266
cis-1,3-Dichloropropene	1	62.3588	0	50	125	27	139
trans-1,3-Dichloropropene	1	65.3598	0	50	131	22	141
Ethyl methacrylate	1	60.295	0	50	121	16	151
1,1,2-Trichloroethane	1	54.6963	0	50	109	32	138
1,2-Dibromoethane	1	52.2684	0	50	105	30	135
1,3-Dichloropropane	1	59.5211	0	50	119	36	136
4-Methyl-2-Pentanone	1	57.7865	0	50	116	23	137
2-Hexanone	1	60.651	0	50	121	10	149
Tetrachloroethene	1	52.8688	0	50	106	24	140
Toluene	1	56.7651	0	50	114	31	139
1,1,1,2-Tetrachloroethane	1	49.9987	0	50	100	31	134
Chlorobenzene	1	52.7811	0	50	106	24	134

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120149

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	64.3172	0	50	129	10	140
n-Amyl acetate	1	62.6936	0	50	125	10	138
Bromoform	**1**	**49.733**	**0**	**50**	**99**	**21**	**137**
Ethylbenzene	**1**	**58.0674**	**0**	**50**	**116**	**29**	**137**
1,1,2,2-Tetrachloroethane	**1**	**58.0674**	**0**	**50**	**116**	**18**	**136**
Styrene	**1**	**55.0938**	**0**	**50**	**110**	**14**	**141**
m&p-Xylenes	**1**	**114.6022**	**0**	**100**	**115**	**18**	**152**
o-Xylene	**1**	**56.3725**	**0**	**50**	**113**	**21**	**146**
trans-1,4-Dichloro-2-butene	1	75.2814	0	50	151*	11	139
1,3-Dichlorobenzene	**1**	**51.2812**	**0**	**50**	**103**	**10**	**134**
1,4-Dichlorobenzene	**1**	**52.2464**	**0**	**50**	**104**	**10**	**132**
1,2-Dichlorobenzene	**1**	**49.9264**	**0**	**50**	**100**	**10**	**129**
Isopropylbenzene	**1**	**60.5533**	**0**	**50**	**121**	**14**	**150**
Cyclohexanone	1	423.8065	0	250	170	10	344
Camphene	1	79.6652	0	50	159*	10	137
1,2,3-Trichloropropane	1	65.3515	0	50	131	20	133
2-Chlorotoluene	1	68.5222	0	50	137	13	140
p-Ethyltoluene	1	65.5086	0	50	131	10	138
4-Chlorotoluene	1	66.7506	0	50	134	10	138
n-Propylbenzene	1	67.9768	0	50	136	10	145
Bromobenzene	1	71.8577	0	50	144*	14	132
1,3,5-Trimethylbenzene	1	58.6567	0	50	117	12	146
Butyl methacrylate	1	63.4487	0	50	127	10	154
t-Butylbenzene	1	58.5044	0	50	117	10	142
1,2,4-Trimethylbenzene	1	61.2756	0	50	123	10	147
sec-Butylbenzene	1	63.8812	0	50	128	10	146
4-Isopropyltoluene	1	59.4238	0	50	119	10	128
n-Butylbenzene	1	74.0543	0	50	148*	10	146
p-Diethylbenzene	1	58.3892	0	50	117	10	142
1,2,4,5-Tetramethylbenzene	1	55.091	0	50	110	10	130
1,2-Dibromo-3-Chloropropane	**1**	**46.6611**	**0**	**50**	**93**	**16**	**126**
Camphor	1	584.6054	0	500	117	20	150
Hexachlorobutadiene	1	59.1482	0	50	118	10	123
1,2,4-Trichlorobenzene	**1**	**52.6473**	**0**	**50**	**105**	**10**	**128**
1,2,3-Trichlorobenzene	**1**	**51.8867**	**0**	**50**	**104**	**10**	**123**
Naphthalene	1	49.0009	0	50	98	10	140

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS120149

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M189406.D	AD48435-003(MSD)	12/2/2024 1:23:00 PM
Duplicate(If applicable):	6M189405.D	AD48435-003(MS)	12/2/2024 1:00:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	47.2215	68.9643	37	56
Dichlorodifluoromethane	**1**	**30.4385**	**38.56**	**24**	**60**
Chloromethane	**1**	**29.4308**	**37.5376**	**24**	**49**
Bromomethane	**1**	**19.3198**	**24.0159**	**22**	**38**
Vinyl Chloride	**1**	**24.3875**	**32.4009**	**28**	**47**
Chloroethane	**1**	**24.9816**	**31.2495**	**22**	**39**
Trichlorofluoromethane	**1**	**26.4684**	**33.3507**	**23**	**43**
Ethyl ether	1	43.1365	49.2956	13	106
Furan	1	42.1959	52.4263	22	56
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**42.3993**	**53.9621**	**24**	**45**
Methylene Chloride	**1**	**40.0479**	**49.7883**	**22**	**35**
Acrolein	1	70.1503	72.6913	3.6	129
Acrylonitrile	1	35.9483	40.0461	11	40
Iodomethane	1	38.166	48.6847	24	46
Acetone	**1**	**194.8505**	**228.2687**	**16**	**41**
Carbon Disulfide	**1**	**49.5767**	**61.216**	**21**	**44**
t-Butyl Alcohol	1	225.1927	275.2266	20	38
n-Hexane	1	32.5136	45.6042	34	52
Di-isopropyl-ether	1	42.6255	52.2957	20	36
1,1-Dichloroethene	**1**	**47.5408**	**59.6191**	**23**	**42**
Methyl Acetate	**1**	**61.2939**	**66.7106**	**8.5**	**43**
Methyl-t-butyl ether	**1**	**49.669**	**58.0502**	**16**	**34**
1,1-Dichloroethane	**1**	**45.9519**	**57.0421**	**22**	**37**
trans-1,2-Dichloroethene	**1**	**38.9356**	**48.3667**	**22**	**40**
Ethyl-t-butyl ether	1	47.3242	58.5021	21	55
cis-1,2-Dichloroethene	**1**	**42.4143**	**52.689**	**22**	**36**
Bromochloromethane	**1**	**41.0955**	**51.3247**	**22**	**29**
2,2-Dichloropropane	1	53.0623	67.4176	24	38
Ethyl acetate	1	17.7924	19.6918	10	106
1,4-Dioxane	**1**	**2301.252**	**2728.224**	**17**	**38**
1,1-Dichloropropene	1	43.4992	56.6192	26	39
Chloroform	**1**	**45.826**	**57.4295**	**22**	**31**
Cyclohexane	**1**	**37.4707**	**52.2147**	**33**	**44**
1,2-Dichloroethane	**1**	**48.6326**	**59.1324**	**19**	**29**
2-Butanone	**1**	**41.108**	**49.7536**	**19**	**46**
1,1,1-Trichloroethane	**1**	**47.15**	**61.4407**	**26**	**36**
Carbon Tetrachloride	**1**	**43.2612**	**57.1159**	**28**	**37**
Vinyl Acetate	1	21.0349	25.8	20	44
Bromodichloromethane	**1**	**42.5126**	**53.9282**	**24**	**32**
Methylcyclohexane	**1**	**30.7758**	**44.2495**	**36**	**45**
Dibromomethane	1	30.1218	36.4763	19	30
1,2-Dichloropropane	**1**	**39.0063**	**50.2257**	**25**	**31**
Trichloroethene	**1**	**32.9746**	**41.6741**	**23**	**36**
Benzene	**1**	**40.5576**	**50.917**	**23**	**33**
tert-Amyl methyl ether	1	48.6769	58.8655	19	29
Iso-propylacetate	1	26.7855	30.3511	12	117
Methyl methacrylate	1	53.8099	66.4466	21	68
Dibromochloromethane	**1**	**32.8082**	**41.7397**	**24**	**35**
2-Chloroethylvinylether	1	49.4324	60.5451	20	167
cis-1,3-Dichloropropene	**1**	**40.7969**	**52.4893**	**25**	**36**
trans-1,3-Dichloropropene	**1**	**40.094**	**52.9579**	**28**	**37**
Ethyl methacrylate	1	23.1852	25.8147	11	46
1,1,2-Trichloroethane	**1**	**36.1462**	**48.8001**	**30**	**41**
1,2-Dibromoethane	**1**	**35.0266**	**42.9279**	**20**	**34**
1,3-Dichloropropane	1	41.1085	51.5547	23	33
4-Methyl-2-Pentanone	**1**	**44.5111**	**53.3407**	**18**	**57**
2-Hexanone	**1**	**41.4342**	**48.9777**	**17**	**63**
Tetrachloroethene	**1**	**27.5602**	**40.1466**	**37**	**40**
Toluene	**1**	**35.3457**	**48.0215**	**30**	**38**
1,1,1,2-Tetrachloroethane	1	29.9486	41.4819	32	35
Chlorobenzene	**1**	**28.3246**	**38.3931**	**30**	**38**

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS120149

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	18.6036	22.9251	21	134
n-Amyl acetate	1	13.2491	17.9558	30	166
Bromoform	1	29.7823	41.5679	33	37
Ethylbenzene	1	31.9119	45.5922	35	36
1,1,2,2-Tetrachloroethane	1	35.5035	47.9346	30	40
Styrene	1	28.7694	41.4763	36	45
m&p-Xylenes	1	63.5593	94.8047	39	44
o-Xylene	1	30.9076	45.9673	39	43
trans-1,4-Dichloro-2-butene	1	38.8204	51.5273	28	39
1,3-Dichlorobenzene	1	19.5859	31.411	46	46
1,4-Dichlorobenzene	1	19.1263	31.3365	48*	47
1,2-Dichlorobenzene	1	18.2317	29.2767	46	47
Isopropylbenzene	1	30.313	45.9609	41	46
Cyclohexanone	1	392.3549	505.8731	25	63
Camphene	1	30.7392	49.4842	47	54
1,2,3-Trichloropropane	1	38.8239	52.7258	30	38
2-Chlorotoluene	1	30.4991	48.2814	45	47
p-Ethyltoluene	1	29.401	46.6908	45	58
4-Chlorotoluene	1	29.1024	46.6797	46	48
n-Propylbenzene	1	30.4385	48.7945	46	46
Bromobenzene	1	35.4723	50.7464	35	41
1,3,5-Trimethylbenzene	1	26.4564	42.204	46*	45
Butyl methacrylate	1	22.5691	31.5018	33	83
t-Butylbenzene	1	26.0717	40.9024	44	46
1,2,4-Trimethylbenzene	1	26.7937	43.1161	47	49
sec-Butylbenzene	1	25.1168	40.516	47	49
4-Isopropyltoluene	1	22.8414	37.3356	48	51
n-Butylbenzene	1	26.1319	43.4661	50	55
p-Diethylbenzene	1	21.6876	35.6601	49	55
1,2,4,5-Tetramethylbenzene	1	18.5332	32.0511	53	59
1,2-Dibromo-3-Chloropropane	1	24.0255	32.6534	30	43
~~Camphor~~	1	427.5836	569.4983	28	
Hexachlorobutadiene	1	14.9912	25.0604	50	56
1,2,4-Trichlorobenzene	1	12.8387	22.096	53	58
1,2,3-Trichlorobenzene	1	11.8057	20.2077	52	60
Naphthalene	1	14.0296	20.2812	36	70

mf 12/12

* - Indicates outside of limits | NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch:MBS120165

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M131258.D	MBS120165	12/3/2024 6:15:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	24.988	0	50	50	10	168
Dichlorodifluoromethane	1	25.1299	0	50	50	10	150
Chloromethane	1	61.9259	0	50	124	12	150
Bromomethane	1	153.901	0	50	308*	23	136
Vinyl Chloride	1	79.4672	0	50	159*	21	153
Chloroethane	1	154.1213	0	50	308*	33	147
Trichlorofluoromethane	1	50.7019	0	50	101	29	156
Ethyl ether	1	74.1414	0	50	148*	10	141
Furan	1	56.8586	0	50	114	22	152
1,1,2-Trichloro-1,2,2-trifluoroethane	1	67.0653	0	50	134	32	149
Methylene Chloride	1	54.9681	0	50	110	35	147
Acrolein	1	258.3154	0	200	129	10	149
Acrylonitrile	1	51.1738	0	50	102	20	130
Iodomethane	1	78.8865	0	50	158*	10	152
Acetone	1	150.0858	0	200	75	22	222
Carbon Disulfide	1	82.0921	0	50	164*	18	135
t-Butyl Alcohol	1	151.9884	0	200	76	38	178
n-Hexane	1	79.2985	0	50	159*	11	154
Di-isopropyl-ether	1	59.7699	0	50	120	38	150
1,1-Dichloroethene	1	50.5551	0	50	101	31	165
Methyl Acetate	1	47.8722	0	50	96	10	237
Methyl-t-butyl ether	1	36.6721	0	50	73	40	151
1,1-Dichloroethane	1	50.3751	0	50	101	41	149
trans-1,2-Dichloroethene	1	61.5084	0	50	123	33	150
Ethyl-t-butyl ether	1	44.6908	0	50	89	22	184
cis-1,2-Dichloroethene	1	46.9384	0	50	94	33	146
Bromochloromethane	1	50.9218	0	50	102	38	143
2,2-Dichloropropane	1	37.5402	0	50	75	38	161
Ethyl acetate	1	45.1299	0	50	90	10	130
1,4-Dioxane	1	2146.008	0	2500	86	35	151
1,1-Dichloropropene	1	52.6645	0	50	105	34	149
Chloroform	1	38.5481	0	50	77	41	145
Cyclohexane	1	77.2669	0	50	155*	25	148
1,2-Dichloroethane	1	23.7271	0	50	47	37	143
2-Butanone	1	43.8087	0	50	88	21	163
1,1,1-Trichloroethane	1	34.1917	0	50	68	38	149
Carbon Tetrachloride	1	32.2854	0	50	65	33	150
Vinyl Acetate	1	46.2538	0	50	93	10	112
Bromodichloromethane	1	34.6918	0	50	69	36	146
Methylcyclohexane	1	63.9609	0	50	128	15	147
Dibromomethane	1	37.4158	0	50	75	32	144
1,2-Dichloropropane	1	57.2835	0	50	115	40	144
Trichloroethene	1	52.4027	0	50	105	24	161
Benzene	1	56.8685	0	50	114	38	146
tert-Amyl methyl ether	1	43.9182	0	50	88	10	240
Iso-propylacetate	1	47.5565	0	50	95	10	139
Methyl methacrylate	1	42.7104	0	50	85	10	224
Dibromochloromethane	1	39.1955	0	50	78	32	140
2-Chloroethylvinylether	1	52.6391	0	50	105	10	266
cis-1,3-Dichloropropene	1	49.7383	0	50	99	27	139
trans-1,3-Dichloropropene	1	40.6737	0	50	81	22	141
Ethyl methacrylate	1	44.8334	0	50	90	16	151
1,1,2-Trichloroethane	1	52.3027	0	50	105	32	138
1,2-Dibromoethane	1	47.3182	0	50	95	30	135
1,3-Dichloropropane	1	48.072	0	50	96	36	136
4-Methyl-2-Pentanone	1	45.9685	0	50	92	23	137
2-Hexanone	1	42.8608	0	50	86	10	149
Tetrachloroethene	1	47.3561	0	50	95	24	140
Toluene	1	54.6416	0	50	109	31	139
1,1,1,2-Tetrachloroethane	1	40.1973	0	50	80	31	134
Chlorobenzene	1	51.8312	0	50	104	24	134

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120165

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	63.9609	0	50	128	10	140
n-Amyl acetate	1	59.4535	0	50	119	10	138
Bromoform	**1**	**42.1786**	**0**	**50**	**84**	**21**	**137**
Ethylbenzene	**1**	**54.296**	**0**	**50**	**109**	**29**	**137**
1,1,2,2-Tetrachloroethane	**1**	**59.5186**	**0**	**50**	**119**	**18**	**136**
Styrene	**1**	**57.3774**	**0**	**50**	**115**	**14**	**141**
m&p-Xylenes	**1**	**110.8513**	**0**	**100**	**111**	**18**	**152**
o-Xylene	**1**	**52.5228**	**0**	**50**	**105**	**21**	**146**
trans-1,4-Dichloro-2-butene	1	42.3909	0	50	85	11	139
1,3-Dichlorobenzene	**1**	**51.996**	**0**	**50**	**104**	**10**	**134**
1,4-Dichlorobenzene	**1**	**50.7996**	**0**	**50**	**102**	**10**	**132**
1,2-Dichlorobenzene	**1**	**49.2827**	**0**	**50**	**99**	**10**	**129**
Isopropylbenzene	**1**	**60.3978**	**0**	**50**	**121**	**14**	**150**
Cyclohexanone	1	348.6756	0	250	139	10	344
Camphene	1	63.88	0	50	128	10	137
1,2,3-Trichloropropane	1	49.9833	0	50	100	20	133
2-Chlorotoluene	1	61.5377	0	50	123	13	140
p-Ethyltoluene	1	62.5428	0	50	125	10	138
4-Chlorotoluene	1	60.8079	0	50	122	10	138
n-Propylbenzene	1	66.1327	0	50	132	10	145
Bromobenzene	1	55.0201	0	50	110	14	132
1,3,5-Trimethylbenzene	1	54.972	0	50	110	12	146
Butyl methacrylate	1	53.3351	0	50	107	10	154
t-Butylbenzene	1	54.6735	0	50	109	10	142
1,2,4-Trimethylbenzene	1	53.8611	0	50	108	10	147
sec-Butylbenzene	1	61.4727	0	50	123	10	146
4-Isopropyltoluene	1	53.4564	0	50	107	10	128
n-Butylbenzene	1	58.4491	0	50	117	10	146
p-Diethylbenzene	1	56.0551	0	50	112	10	142
1,2,4,5-Tetramethylbenzene	1	46.9983	0	50	94	10	130
1,2-Dibromo-3-Chloropropane	**1**	**44.3784**	**0**	**50**	**89**	**16**	**126**
Camphor	1	432.2995	0	500	86	20	150
Hexachlorobutadiene	1	39.6803	0	50	79	10	123
1,2,4-Trichlorobenzene	**1**	**44.9196**	**0**	**50**	**90**	**10**	**128**
1,2,3-Trichlorobenzene	**1**	**44.9906**	**0**	**50**	**90**	**10**	**123**
Naphthalene	1	44.839	0	50	90	10	140

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch:MBS120165

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M131259.D	AD48430-005(MS)	12/3/2024 6:36:00 PM
Non Spike(If applicable):	11M131255.D	AD48430-005	12/3/2024 5:11:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	21.1783	0	50	42	10	168
Dichlorodifluoromethane	1	25.8034	0	50	52	10	150
Chloromethane	1	63.876	0	50	128	12	150
Bromomethane	1	179.5864	0	50	359*	23	136
Vinyl Chloride	1	81.464	0	50	163*	21	153
Chloroethane	1	173.2147	0	50	346*	33	147
Trichlorofluoromethane	1	55.4488	0	50	111	29	156
Ethyl ether	1	80.095	0	50	160*	10	141
Furan	1	60.3852	0	50	121	22	152
1,1,2-Trichloro-1,2,2-trifluoroethane	1	72.4916	0	50	145	32	149
Methylene Chloride	1	58.1311	0	50	116	35	147
Acrolein	1	203.484	0	200	102	10	149
Acrylonitrile	1	46.4917	0	50	93	20	130
Iodomethane	1	85.6769	0	50	171*	10	152
Acetone	1	136.4172	0	200	68	22	222
Carbon Disulfide	1	87.7915	0	50	176*	18	135
t-Butyl Alcohol	1	147.3206	0	200	74	38	178
n-Hexane	1	81.5001	0	50	163*	11	154
Di-isopropyl-ether	1	61.7818	0	50	124	38	150
1,1-Dichloroethene	1	52.8822	0	50	106	31	165
Methyl Acetate	1	86.0983	0	50	172	10	237
Methyl-t-butyl ether	1	38.741	0	50	77	40	151
1,1-Dichloroethane	1	53.9344	0	50	108	41	149
trans-1,2-Dichloroethene	1	65.3853	0	50	131	33	150
Ethyl-t-butyl ether	1	46.8028	0	50	94	22	184
cis-1,2-Dichloroethene	1	47.6599	0	50	95	33	146
Bromochloromethane	1	51.4809	0	50	103	38	143
2,2-Dichloropropane	1	39.4666	0	50	79	38	161
Ethyl acetate	1	29.3624	0	50	59	10	130
1,4-Dioxane	1	2187.728	0	2500	88	35	151
1,1-Dichloropropene	1	56.2023	0	50	112	34	149
Chloroform	1	40.3082	0	50	81	41	145
Cyclohexane	1	80.0948	0	50	160*	25	148
1,2-Dichloroethane	1	23.6187	0	50	47	37	143
2-Butanone	1	39.9221	0	50	80	21	163
1,1,1-Trichloroethane	1	36.3624	0	50	73	38	149
Carbon Tetrachloride	1	34.1721	0	50	68	33	150
Vinyl Acetate	1	29.677	0	50	59	10	112
Bromodichloromethane	1	36.236	0	50	72	36	146
Methylcyclohexane	1	64.7701	0	50	130	15	147
Dibromomethane	1	39.9332	0	50	80	32	142
1,2-Dichloropropane	1	59.0659	0	50	118	40	144
Trichloroethene	1	55.1067	0	50	110	24	161
Benzene	1	60.4434	0	50	121	38	146
tert-Amyl methyl ether	1	45.6137	0	50	91	10	240
Iso-propylacetate	1	43.4655	0	50	87	10	139
Methyl methacrylate	1	56.3776	0	50	113	10	224
Dibromochloromethane	1	42.7634	0	50	86	32	140
2-Chloroethylvinylether	1	48.8235	0	50	98	10	266
cis-1,3-Dichloropropene	1	53.4227	0	50	107	27	139
trans-1,3-Dichloropropene	1	42.6912	0	50	85	22	141
Ethyl methacrylate	1	34.5656	0	50	69	16	151
1,1,2-Trichloroethane	1	54.202	0	50	108	32	138
1,2-Dibromoethane	1	50.6054	0	50	101	30	135
1,3-Dichloropropane	1	50.433	0	50	101	36	136
4-Methyl-2-Pentanone	1	44.8042	0	50	90	23	137
2-Hexanone	1	40.8866	0	50	82	10	149
Tetrachloroethene	1	52.0458	0	50	104	24	140
Toluene	1	58.6739	0	50	117	31	139
1,1,1,2-Tetrachloroethane	1	43.5424	0	50	87	31	134
Chlorobenzene	1	54.0208	0	50	108	24	134

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120165

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	38.6842	0	50	77	10	140
n-Amyl acetate	1	32.5284	0	50	65	10	138
Bromoform	1	44.345	0	50	89	21	137
Ethylbenzene	1	56.5702	0	50	113	29	137
1,1,2,2-Tetrachloroethane	1	59.0429	0	50	118	18	136
Styrene	1	59.3448	0	50	119	14	141
m&p-Xylenes	1	117.402	0	100	117	18	152
o-Xylene	1	54.5168	0	50	109	21	146
trans-1,4-Dichloro-2-butene	1	40.8644	0	50	82	11	139
1,3-Dichlorobenzene	1	54.2255	0	50	108	10	134
1,4-Dichlorobenzene	1	52.5495	0	50	105	10	132
1,2-Dichlorobenzene	1	50.5512	0	50	101	10	129
Isopropylbenzene	1	62.609	0	50	125	14	150
Cyclohexanone	1	109.8585	0	250	44	10	344
Camphene	1	65.2591	0	50	131	10	137
1,2,3-Trichloropropane	1	49.1084	0	50	98	20	133
2-Chlorotoluene	1	63.4817	0	50	127	13	140
p-Ethyltoluene	1	65.041	0	50	130	10	138
4-Chlorotoluene	1	62.4657	0	50	125	10	138
n-Propylbenzene	1	68.893	0	50	138	10	145
Bromobenzene	1	55.9694	0	50	112	14	132
1,3,5-Trimethylbenzene	1	57.2519	0	50	115	12	146
Butyl methacrylate	1	41.1621	0	50	82	10	154
t-Butylbenzene	1	56.2775	0	50	113	10	142
1,2,4-Trimethylbenzene	1	56.2189	0	50	112	10	147
sec-Butylbenzene	1	63.7439	0	50	127	10	146
4-Isopropyltoluene	1	54.8394	0	50	110	10	128
n-Butylbenzene	1	59.605	0	50	119	10	146
p-Diethylbenzene	1	58.028	0	50	116	10	142
1,2,4,5-Tetramethylbenzene	1	47.8163	0	50	96	10	130
1,2-Dibromo-3-Chloropropane	1	43.6317	0	50	87	16	126
~~Camphor~~	1	~~433.9318~~	0				
Hexachlorobutadiene	1	39.2806	0	50	79	10	123
1,2,4-Trichlorobenzene	1	46.0341	0	50	92	10	128
1,2,3-Trichlorobenzene	1	45.2501	0	50	91	10	123
Naphthalene	1	44.7621	0	50	90	10	140

MJ 12/12

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120165

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M131260.D	AD48430-005(MSD)	12/3/2024 6:57:00 PM
Non Spike(If applicable):	11M131255.D	AD48430-005	12/3/2024 5:11:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	22.402	0	50	45	10	168
Dichlorodifluoromethane	1	23.3424	0	50	47	10	150
Chloromethane	1	59.8422	0	50	120	12	150
Bromomethane	1	161.6778	0	50	323*	23	136
Vinyl Chloride	1	76.7881	0	50	154*	21	153
Chloroethane	1	162.2836	0	50	325*	33	147
Trichlorofluoromethane	1	50.9874	0	50	102	29	156
Ethyl ether	1	76.1483	0	50	152*	10	141
Furan	1	55.8564	0	50	112	22	152
1,1,2-Trichloro-1,2,2-trifluoroethane	1	67.9685	0	50	136	32	149
Methylene Chloride	1	55.4236	0	50	111	35	147
Acrolein	1	184.5808	0	200	92	10	149
Acrylonitrile	1	44.3337	0	50	89	20	130
Iodomethane	1	79.3063	0	50	159*	10	152
Acetone	1	131.9504	0	200	66	22	222
Carbon Disulfide	1	81.8402	0	50	164*	18	135
t-Butyl Alcohol	1	147.3431	0	200	74	38	178
n-Hexane	1	76.0274	0	50	152	11	154
Di-isopropyl-ether	1	58.455	0	50	117	38	150
1,1-Dichloroethene	1	49.5708	0	50	99	31	165
Methyl Acetate	1	84.8864	0	50	170	10	237
Methyl-t-butyl ether	1	37.0419	0	50	74	40	151
1,1-Dichloroethane	1	50.4663	0	50	101	41	149
trans-1,2-Dichloroethene	1	62.3109	0	50	125	33	150
Ethyl-t-butyl ether	1	44.5715	0	50	89	22	184
cis-1,2-Dichloroethene	1	45.0635	0	50	90	33	146
Bromochloromethane	1	49.0322	0	50	98	38	143
2,2-Dichloropropane	1	36.2703	0	50	73	38	161
Ethyl acetate	1	26.8316	0	50	54	10	130
1,4-Dioxane	1	2176.261	0	2500	87	35	151
1,1-Dichloropropene	1	52.2861	0	50	105	34	149
Chloroform	1	38.0084	0	50	76	41	145
Cyclohexane	1	73.7902	0	50	148	25	148
1,2-Dichloroethane	1	22.5253	0	50	45	37	143
2-Butanone	1	44.1113	0	50	88	21	163
1,1,1-Trichloroethane	1	33.7335	0	50	67	38	149
Carbon Tetrachloride	1	31.8196	0	50	64	33	150
Vinyl Acetate	1	28.2211	0	50	56	10	112
Bromodichloromethane	1	33.4171	0	50	67	36	146
Methylcyclohexane	1	61.006	0	50	122	15	147
Dibromomethane	1	39.04	0	50	78	32	144
1,2-Dichloropropane	1	55.8518	0	50	112	40	144
Trichloroethene	1	51.3712	0	50	103	24	161
Benzene	1	56.8975	0	50	114	38	146
tert-Amyl methyl ether	1	44.4583	0	50	89	10	240
Iso-propylacetate	1	40.281	0	50	81	10	139
Methyl methacrylate	1	55.0784	0	50	110	10	224
Dibromochloromethane	1	40.3527	0	50	81	32	140
2-Chloroethylvinylether	1	46.9919	0	50	94	10	266
cis-1,3-Dichloropropene	1	49.8912	0	50	100	27	139
trans-1,3-Dichloropropene	1	40.5567	0	50	81	22	141
Ethyl methacrylate	1	30.9324	0	50	62	16	151
1,1,2-Trichloroethane	1	51.0825	0	50	102	32	138
1,2-Dibromoethane	1	47.7723	0	50	96	30	135
1,3-Dichloropropane	1	47.4522	0	50	95	36	136
4-Methyl-2-Pentanone	1	43.1827	0	50	86	23	137
2-Hexanone	1	39.3547	0	50	79	10	149
Tetrachloroethene	1	48.6396	0	50	97	24	140
Toluene	1	54.0109	0	50	108	31	139
1,1,1,2-Tetrachloroethane	1	41.2722	0	50	83	31	134
Chlorobenzene	1	51.5141	0	50	103	24	134

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120165

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	36.2103	0	50	72	10	140
n-Amyl acetate	1	31.522	0	50	63	10	138
Bromoform	**1**	**42.6855**	**0**	**50**	**85**	**21**	**137**
Ethylbenzene	**1**	**54.0234**	**0**	**50**	**108**	**29**	**137**
1,1,2,2-Tetrachloroethane	**1**	**57.8184**	**0**	**50**	**116**	**18**	**136**
Styrene	**1**	**56.9834**	**0**	**50**	**114**	**14**	**141**
m&p-Xylenes	**1**	**112.418**	**0**	**100**	**112**	**18**	**152**
o-Xylene	**1**	**52.3428**	**0**	**50**	**105**	**21**	**146**
trans-1,4-Dichloro-2-butene	1	38.8619	0	50	78	11	139
1,3-Dichlorobenzene	**1**	**51.7586**	**0**	**50**	**104**	**10**	**134**
1,4-Dichlorobenzene	**1**	**50.144**	**0**	**50**	**100**	**10**	**132**
1,2-Dichlorobenzene	**1**	**48.2763**	**0**	**50**	**97**	**10**	**129**
Isopropylbenzene	**1**	**58.8491**	**0**	**50**	**118**	**14**	**150**
Cyclohexanone	1	103.875	0	250	42	10	344
Camphene	1	61.0483	0	50	122	10	137
1,2,3-Trichloropropane	1	48.0717	0	50	96	20	133
2-Chlorotoluene	1	61.0264	0	50	122	13	140
p-Ethyltoluene	1	61.3503	0	50	123	10	138
4-Chlorotoluene	1	58.6837	0	50	117	10	138
n-Propylbenzene	1	65.4745	0	50	131	10	145
Bromobenzene	1	53.4317	0	50	107	14	132
1,3,5-Trimethylbenzene	1	55.0113	0	50	110	12	146
Butyl methacrylate	1	38.5009	0	50	77	10	154
t-Butylbenzene	1	53.5588	0	50	107	10	142
1,2,4-Trimethylbenzene	1	52.9981	0	50	106	10	147
sec-Butylbenzene	1	60.4505	0	50	121	10	146
4-Isopropyltoluene	1	52.0555	0	50	104	10	128
n-Butylbenzene	1	56.3385	0	50	113	10	146
p-Diethylbenzene	1	54.5007	0	50	109	10	142
1,2,4,5-Tetramethylbenzene	1	45.2227	0	50	90	10	130
1,2-Dibromo-3-Chloropropane	**1**	**42.4101**	**0**	**50**	**85**	**16**	**126**
~~Camphor~~	1	~~418.7868~~	~~0~~	~~500~~	~~84~~		
Hexachlorobutadiene	1	38.0328	0	50	76	10	123
1,2,4-Trichlorobenzene	**1**	**44.1256**	**0**	**50**	**88**	**10**	**128**
1,2,3-Trichlorobenzene	**1**	**43.9796**	**0**	**50**	**88**	**10**	**123**
Naphthalene	1	43.3029	0	50	87	10	140

12/12

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch:MBS120173

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M131299.D	MBS120173	12/4/2024 2:28:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	18.0738	0	50	36	10	168
Dichlorodifluoromethane	1	16.1693	0	50	32	10	150
Chloromethane	1	50.6373	0	50	101	12	150
Bromomethane	1	65.2507	0	50	131	23	136
Vinyl Chloride	1	68.79	0	50	138	21	153
Chloroethane	1	55.0317	0	50	110	33	147
Trichlorofluoromethane	1	31.2331	0	50	62	29	156
Ethyl ether	1	68.1152	0	50	136	10	141
Furan	1	55.519	0	50	111	22	152
1,1,2-Trichloro-1,2,2-trifluoroethane	1	66.7432	0	50	133	32	149
Methylene Chloride	1	54.8934	0	50	110	35	147
Acrolein	1	213.175	0	200	107	10	149
Acrylonitrile	1	45.443	0	50	91	20	130
Iodomethane	1	74.3419	0	50	149	10	152
Acetone	1	136.645	0	200	68	22	222
Carbon Disulfide	1	76.6072	0	50	153*	18	135
t-Butyl Alcohol	1	146.8957	0	200	73	38	178
n-Hexane	1	75.3842	0	50	151	11	154
Di-isopropyl-ether	1	59.1829	0	50	118	38	150
1,1-Dichloroethene	1	49.4897	0	50	99	31	165
Methyl Acetate	1	62.0114	0	50	124	10	237
Methyl-t-butyl ether	1	36.3449	0	50	73	40	151
1,1-Dichloroethane	1	50.5351	0	50	101	41	149
trans-1,2-Dichloroethene	1	63.4636	0	50	127	33	150
Ethyl-t-butyl ether	1	44.2114	0	50	88	22	184
cis-1,2-Dichloroethene	1	46.2203	0	50	92	33	146
Bromochloromethane	1	49.8054	0	50	100	38	143
2,2-Dichloropropane	1	37.0494	0	50	74	38	161
Ethyl acetate	1	38.7405	0	50	77	10	130
1,4-Dioxane	1	2106.494	0	2500	84	35	151
1,1-Dichloropropene	1	53.9643	0	50	108	34	149
Chloroform	1	38.594	0	50	77	41	145
Cyclohexane	1	75.7978	0	50	152*	25	148
1,2-Dichloroethane	1	22.7134	0	50	45	37	143
2-Butanone	1	47.7663	0	50	96	21	163
1,1,1-Trichloroethane	1	35.5966	0	50	71	38	149
Carbon Tetrachloride	1	32.7664	0	50	66	33	150
Vinyl Acetate	1	35.6152	0	50	71	10	112
Bromodichloromethane	1	36.0802	0	50	72	36	146
Methylcyclohexane	1	62.897	0	50	126	15	147
Dibromomethane	1	38.1617	0	50	76	32	144
1,2-Dichloropropane	1	57.1525	0	50	114	40	144
Trichloroethene	1	53.0974	0	50	106	24	161
Benzene	1	57.5128	0	50	115	38	146
tert-Amyl methyl ether	1	43.9984	0	50	88	10	240
Iso-propylacetate	1	43.2523	0	50	87	10	139
Methyl methacrylate	1	46.673	0	50	93	10	224
Dibromochloromethane	1	39.5878	0	50	79	32	140
2-Chloroethylvinylether	1	45.6641	0	50	91	10	266
cis-1,3-Dichloropropene	1	48.1801	0	50	96	27	139
trans-1,3-Dichloropropene	1	39.4067	0	50	79	22	141
Ethyl methacrylate	1	41.2001	0	50	82	16	151
1,1,2-Trichloroethane	1	50.0101	0	50	100	32	138
1,2-Dibromoethane	1	46.8075	0	50	94	30	135
1,3-Dichloropropane	1	47.4169	0	50	95	36	136
4-Methyl-2-Pentanone	1	42.59	0	50	85	23	137
2-Hexanone	1	38.4625	0	50	77	10	149
Tetrachloroethene	1	49.3741	0	50	99	24	140
Toluene	1	54.1507	0	50	108	31	139
1,1,1,2-Tetrachloroethane	1	40.1663	0	50	80	31	134
Chlorobenzene	1	51.7687	0	50	104	24	134

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120173

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	48.2433	0	50	96	10	140
n-Amyl acetate	1	38.3924	0	50	77	10	138
Bromoform	**1**	**41.0969**	**0**	**50**	**82**	**21**	**137**
Ethylbenzene	**1**	**53.8417**	**0**	**50**	**108**	**29**	**137**
1,1,2,2-Tetrachloroethane	**1**	**57.5085**	**0**	**50**	**115**	**18**	**136**
Styrene	**1**	**56.8827**	**0**	**50**	**114**	**14**	**141**
m&p-Xylenes	**1**	**112.2904**	**0**	**100**	**112**	**18**	**152**
o-Xylene	**1**	**51.9393**	**0**	**50**	**104**	**21**	**146**
trans-1,4-Dichloro-2-butene	1	39.3056	0	50	79	11	139
1,3-Dichlorobenzene	**1**	**51.9641**	**0**	**50**	**104**	**10**	**134**
1,4-Dichlorobenzene	**1**	**51.123**	**0**	**50**	**102**	**10**	**132**
1,2-Dichlorobenzene	**1**	**48.611**	**0**	**50**	**97**	**10**	**129**
Isopropylbenzene	**1**	**60.2067**	**0**	**50**	**120**	**14**	**150**
Cyclohexanone	1	100.8433	0	250	40	10	344
Camphene	1	63.0141	0	50	126	10	137
1,2,3-Trichloropropane	1	47.5404	0	50	95	20	133
2-Chlorotoluene	1	60.2345	0	50	120	13	140
p-Ethyltoluene	1	62.3182	0	50	125	10	138
4-Chlorotoluene	1	59.7587	0	50	120	10	138
n-Propylbenzene	1	66.79	0	50	134	10	145
Bromobenzene	1	53.4047	0	50	107	14	132
1,3,5-Trimethylbenzene	1	55.7039	0	50	111	12	146
Butyl methacrylate	1	43.9243	0	50	88	10	154
t-Butylbenzene	1	54.2631	0	50	109	10	142
1,2,4-Trimethylbenzene	1	53.9768	0	50	108	10	147
sec-Butylbenzene	1	62.2523	0	50	125	10	146
4-Isopropyltoluene	1	53.3401	0	50	107	10	128
n-Butylbenzene	1	58.4706	0	50	117	10	146
p-Diethylbenzene	1	55.4763	0	50	111	10	142
1,2,4,5-Tetramethylbenzene	1	44.8804	0	50	90	10	130
1,2-Dibromo-3-Chloropropane	**1**	**40.9485**	**0**	**50**	**82**	**16**	**126**
Camphor	1	200.0608	0	500	40	20	150
Hexachlorobutadiene	1	21.8419	0	50	44	10	123
1,2,4-Trichlorobenzene	**1**	**23.2218**	**0**	**50**	**46**	**10**	**128**
1,2,3-Trichlorobenzene	**1**	**19.6686**	**0**	**50**	**39**	**10**	**123**
Naphthalene	1	18.2427	0	50	36	10	140

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120173

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M131300.D	AD48475-001(MS)	12/4/2024 2:49:00 PM
Non Spike(If applicable):	11M131295.D	AD48475-001	12/4/2024 1:03:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	20.7375	0	50	41	10	168
Dichlorodifluoromethane	1	15.8014	0	50	32	10	150
Chloromethane	1	50.9788	0	50	102	12	150
Bromomethane	1	43.6644	0	50	87	23	136
Vinyl Chloride	1	67.0544	0	50	134	21	153
Chloroethane	1	41.4516	0	50	83	33	147
Trichlorofluoromethane	1	16.4366	0	50	33	29	156
Ethyl ether	1	23.6387	0	50	47	10	141
Furan	1	21.0412	0	50	42	22	152
1,1,2-Trichloro-1,2,2-trifluoroethane	1	25.6975	0	50	51	32	149
Methylene Chloride	1	50.8857	0	50	102	35	147
Acrolein	1	67.3726	0	200	34	10	149
Acrylonitrile	1	42.9925	0	50	86	20	130
Iodomethane	1	71.2576	0	50	143	10	152
Acetone	1	65.4347	0	200	33	22	222
Carbon Disulfide	1	73.0189	0	50	146*	18	135
t-Butyl Alcohol	1	138.1302	0	200	69	38	178
n-Hexane	1	68.6062	0	50	137	11	154
Di-isopropyl-ether	1	54.1508	0	50	108	38	150
1,1-Dichloroethene	1	20.5154	0	50	41	31	165
Methyl Acetate	1	66.979	0	50	134	10	237
Methyl-t-butyl ether	1	33.8774	0	50	68	40	151
1,1-Dichloroethane	1	46.9465	0	50	94	41	149
trans-1,2-Dichloroethene	1	57.7717	0	50	116	33	150
Ethyl-t-butyl ether	1	41.1628	0	50	82	22	184
cis-1,2-Dichloroethene	1	42.7813	0	50	86	33	146
Bromochloromethane	1	46.2011	0	50	92	38	143
2,2-Dichloropropane	1	33.877	0	50	68	38	161
Ethyl acetate	1	35.4534	0	50	71	10	130
1,4-Dioxane	1	2102.236	0	2500	84	35	151
1,1-Dichloropropene	1	49.4544	0	50	99	34	149
Chloroform	1	35.9874	0	50	72	41	145
Cyclohexane	1	68.3042	0	50	137	25	148
1,2-Dichloroethane	1	21.061	0	50	42	37	143
2-Butanone	1	37.494	0	50	75	21	163
1,1,1-Trichloroethane	1	31.6829	0	50	63	38	149
Carbon Tetrachloride	1	29.9224	0	50	60	33	150
Vinyl Acetate	1	29.5407	0	50	59	10	112
Bromodichloromethane	1	32.8833	0	50	66	36	146
Methylcyclohexane	1	58.1548	0	50	116	15	147
Dibromomethane	1	35.8996	0	50	72	32	142
1,2-Dichloropropane	1	53.8758	0	50	108	40	144
Trichloroethene	1	48.8338	0	50	98	24	161
Benzene	1	53.0093	0	50	106	38	146
tert-Amyl methyl ether	1	40.232	0	50	80	10	240
Iso-propylacetate	1	38.3782	0	50	77	10	139
Methyl methacrylate	1	43.9996	0	50	88	10	224
Dibromochloromethane	1	36.2173	0	50	72	32	140
2-Chloroethylvinylether	1	40.3404	0	50	81	10	266
cis-1,3-Dichloropropene	1	44.5189	0	50	89	27	139
trans-1,3-Dichloropropene	1	35.7898	0	50	72	22	141
Ethyl methacrylate	1	35.5815	0	50	71	16	151
1,1,2-Trichloroethane	1	46.0166	0	50	92	32	138
1,2-Dibromoethane	1	43.2565	0	50	87	30	135
1,3-Dichloropropane	1	43.6587	0	50	87	36	136
4-Methyl-2-Pentanone	1	39.3789	0	50	79	23	137
2-Hexanone	1	36.5345	0	50	73	10	149
Tetrachloroethene	1	43.6297	0	50	87	24	140
Toluene	1	49.2309	0	50	98	31	139
1,1,1,2-Tetrachloroethane	1	37.9261	0	50	76	31	134
Chlorobenzene	1	46.4318	0	50	93	24	134

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120173

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	79.6956	0	50	159*	10	140
n-Amyl acetate	1	59.1521	0	50	118	10	138
Bromoform	1	76.3658	0	50	153*	21	137
Ethylbenzene	1	100.5716	0	50	201*	29	137
1,1,2,2-Tetrachloroethane	1	106.7313	0	50	213*	18	136
Styrene	1	103.1239	0	50	206*	14	141
m&p-Xylenes	1	202.346	0	100	202*	18	152
o-Xylene	1	93.4574	0	50	187*	21	146
trans-1,4-Dichloro-2-butene	1	70.3191	0	50	141*	11	139
1,3-Dichlorobenzene	1	54.6269	0	50	109	10	134
1,4-Dichlorobenzene	1	47.6451	0	50	95	10	132
1,2-Dichlorobenzene	1	34.6719	0	50	69	10	129
Isopropylbenzene	1	108.1175	0	50	216*	14	150
Cyclohexanone	1	186.7793	0	250	75	10	344
Camphene	1	110.6347	0	50	221*	10	137
1,2,3-Trichloropropane	1	86.7721	0	50	174*	20	133
2-Chlorotoluene	1	66.1742	0	50	132	13	140
p-Ethyltoluene	1	65.199	0	50	130	10	138
4-Chlorotoluene	1	72.6647	0	50	145*	10	138
n-Propylbenzene	1	88.5889	0	50	177*	10	145
Bromobenzene	1	94.3941	0	50	189*	14	132
1,3,5-Trimethylbenzene	1	73.0305	0	50	146	12	146
Butyl methacrylate	1	52.9366	0	50	106	10	154
t-Butylbenzene	1	48.9853	0	50	98	10	142
1,2,4-Trimethylbenzene	1	51.2696	0	50	103	10	147
sec-Butylbenzene	1	65.5822	0	50	131	10	146
4-Isopropyltoluene	1	52.684	0	50	105	10	128
n-Butylbenzene	1	42.4158	0	50	85	10	146
p-Diethylbenzene	1	39.5763	0	50	79	10	142
1,2,4,5-Tetramethylbenzene	1	34.1716	0	50	68	10	130
1,2-Dibromo-3-Chloropropane	1	32.4372	0	50	65	16	126
~~Camphor~~	1	~~331.2577~~	0				
Hexachlorobutadiene	1	34.9098	0	50	70	10	123
1,2,4-Trichlorobenzene	1	36.97	0	50	74	10	128
1,2,3-Trichlorobenzene	1	36.1483	0	50	72	10	123
Naphthalene	1	32.5154	0	50	65	10	140

MY 12112

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120173

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M131306.D	AD48475-001(MSD)	12/4/2024 6:24:00 PM
Non Spike(If applicable):	11M131295.D	AD48475-001	12/4/2024 1:03:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	34.746	0	50	69	10	168
Dichlorodifluoromethane	1	25.2541	0	50	51	10	150
Chloromethane	1	31.1962	0	50	62	12	150
Bromomethane	1	58.9642	0	50	118	23	136
Vinyl Chloride	1	37.5392	0	50	75	21	153
Chloroethane	1	53.1587	0	50	106	33	147
Trichlorofluoromethane	1	30.4167	0	50	61	29	156
Ethyl ether	1	44.436	0	50	89	10	141
Furan	1	38.6208	0	50	77	22	152
1,1,2-Trichloro-1,2,2-trifluoroethane	1	49.2915	0	50	99	32	149
Methylene Chloride	1	41.4827	0	50	83	35	147
Acrolein	1	180.68	0	200	90	10	149
Acrylonitrile	1	38.2592	0	50	77	20	130
Iodomethane	1	55.936	0	50	112	10	152
Acetone	1	125.7222	0	200	63	22	222
Carbon Disulfide	1	52.1659	0	50	104	18	135
t-Butyl Alcohol	1	137.6773	0	200	69	38	178
n-Hexane	1	59.0854	0	50	118	11	154
Di-isopropyl-ether	1	57.5821	0	50	115	38	150
1,1-Dichloroethene	1	38.8183	0	50	78	31	165
Methyl Acetate	1	35.8724	0	50	72	10	237
Methyl-t-butyl ether	1	31.0558	0	50	62	40	151
1,1-Dichloroethane	1	47.3399	0	50	95	41	149
trans-1,2-Dichloroethene	1	43.1349	0	50	86	33	150
Ethyl-t-butyl ether	1	40.9918	0	50	82	22	184
cis-1,2-Dichloroethene	1	63.0618	0	50	126	33	146
Bromochloromethane	1	69.3745	0	50	139	38	143
2,2-Dichloropropane	1	50.0654	0	50	100	38	161
Ethyl acetate	1	65.2507	0	50	131*	10	130
1,4-Dioxane	1	1503.474	0	2500	60	35	151
1,1-Dichloropropene	1	66.7626	0	50	134	34	149
Chloroform	1	52.723	0	50	105	41	145
Cyclohexane	1	96.6011	0	50	193*	25	148
1,2-Dichloroethane	1	31.7111	0	50	63	37	143
2-Butanone	1	61.3566	0	50	123	21	163
1,1,1-Trichloroethane	1	45.65	0	50	91	38	149
Carbon Tetrachloride	1	41.473	0	50	83	33	150
Vinyl Acetate	1	46.4543	0	50	93	10	112
Bromodichloromethane	1	25.6156	0	50	51	36	146
Methylcyclohexane	1	33.1545	0	50	66	15	147
Dibromomethane	1	26.7093	0	50	53	32	144
1,2-Dichloropropane	1	32.8165	0	50	66	40	144
Trichloroethene	1	31.6395	0	50	63	24	161
Benzene	1	75.3676	0	50	151*	38	146
tert-Amyl methyl ether	1	60.4077	0	50	121	10	240
Iso-propylacetate	1	90.9018	0	50	182*	10	139
Methyl methacrylate	1	44.1685	0	50	88	10	224
Dibromochloromethane	1	47.0328	0	50	94	32	140
2-Chloroethylvinylether	1	46.9772	0	50	94	10	266
cis-1,3-Dichloropropene	1	46.0388	0	50	92	27	139
trans-1,3-Dichloropropene	1	45.8475	0	50	92	22	141
Ethyl methacrylate	1	50.7321	0	50	101	16	151
1,1,2-Trichloroethane	1	51.8621	0	50	104	32	138
1,2-Dibromoethane	1	53.8295	0	50	108	30	135
1,3-Dichloropropane	1	53.6017	0	50	107	36	136
4-Methyl-2-Pentanone	1	46.6076	0	50	93	23	137
2-Hexanone	1	53.7582	0	50	108	10	149
Tetrachloroethene	1	45.4958	0	50	91	24	140
Toluene	1	47.3487	0	50	95	31	139
1,1,1,2-Tetrachloroethane	1	40.0899	0	50	80	31	134
Chlorobenzene	1	45.3153	0	50	91	24	134

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120173

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	60.5125	0	50	121	10	140
n-Amyl acetate	1	55.3076	0	50	111	10	138
Bromoform	1	45.9851	0	50	92	21	137
Ethylbenzene	1	45.0127	0	50	90	29	137
1,1,2,2-Tetrachloroethane	1	60.5876	0	50	121	18	136
Styrene	1	44.803	0	50	90	14	141
m&p-Xylenes	1	97.6085	0	100	98	18	152
o-Xylene	1	39.4786	0	50	79	21	146
trans-1,4-Dichloro-2-butene	1	46.6542	0	50	93	11	139
1,3-Dichlorobenzene	1	44.9669	0	50	90	10	134
1,4-Dichlorobenzene	1	42.2486	0	50	84	10	132
1,2-Dichlorobenzene	1	42.3418	0	50	85	10	129
Isopropylbenzene	1	51.8977	0	50	104	14	150
Cyclohexanone	1	451.5932	0	250	181	10	344
Camphene	1	56.1936	0	50	112	10	137
1,2,3-Trichloropropane	1	55.0161	0	50	110	20	133
2-Chlorotoluene	1	52.8353	0	50	106	13	140
p-Ethyltoluene	1	53.1373	0	50	106	10	138
4-Chlorotoluene	1	48.7315	0	50	97	10	138
n-Propylbenzene	1	53.5292	0	50	107	10	145
Bromobenzene	1	50.9735	0	50	102	14	132
1,3,5-Trimethylbenzene	1	47.4775	0	50	95	12	146
Butyl methacrylate	1	45.3371	0	50	91	10	154
t-Butylbenzene	1	44.5889	0	50	89	10	142
1,2,4-Trimethylbenzene	1	46.9193	0	50	94	10	147
sec-Butylbenzene	1	51.878	0	50	104	10	146
4-Isopropyltoluene	1	45.5483	0	50	91	10	128
n-Butylbenzene	1	46.4239	0	50	93	10	146
p-Diethylbenzene	1	45.6814	0	50	91	10	142
1,2,4,5-Tetramethylbenzene	1	44.6856	0	50	89	10	130
1,2-Dibromo-3-Chloropropane	1	67.4368	0	50	135*	16	126
~~Camphor~~	1	981.8398	0	500	196		
Hexachlorobutadiene	1	57.4767	0	50	115	10	123
1,2,4-Trichlorobenzene	1	70.5837	0	50	141*	10	128
1,2,3-Trichlorobenzene	1	68.9959	0	50	138*	10	123
Naphthalene	1	75.3425	0	50	151*	10	140

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch:MBS120173

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M131306.D	AD48475-001(MSD)	12/4/2024 6:24:00 PM
Duplicate(If applicable):	11M131300.D	AD48475-001(MS)	12/4/2024 2:49:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	34.746	20.7375	50	56
Dichlorodifluoromethane	1	25.2541	15.8014	46	60
Chloromethane	1	31.1962	50.9788	48	49
Bromomethane	1	58.9642	43.6644	30	38
Vinyl Chloride	1	37.5392	67.0544	56*	47
Chloroethane	1	53.1587	41.4516	25	39
Trichlorofluoromethane	1	30.4167	16.4366	60*	43
Ethyl ether	1	44.436	23.6387	61	106
Furan	1	38.6208	21.0412	59*	56
1,1,2-Trichloro-1,2,2-trifluoroethane	1	49.2915	25.6975	63*	45
Methylene Chloride	1	41.4827	50.8857	20	35
Acrolein	1	180.68	67.3726	91	129
Acrylonitrile	1	38.2592	42.9925	12	40
Iodomethane	1	55.936	71.2576	24	46
Acetone	1	125.7222	65.4347	63*	41
Carbon Disulfide	1	52.1659	73.0189	33	44
t-Butyl Alcohol	1	137.6773	138.1302	0.33	38
n-Hexane	1	59.0854	68.6062	15	52
Di-isopropyl-ether	1	57.5821	54.1508	6.1	36
1,1-Dichloroethene	1	38.8183	20.5154	62*	42
Methyl Acetate	1	35.8724	66.979	60*	43
Methyl-t-butyl ether	1	31.0558	33.8774	8.7	34
1,1-Dichloroethane	1	47.3399	46.9465	0.83	37
trans-1,2-Dichloroethene	1	43.1349	57.7717	29	40
Ethyl-t-butyl ether	1	40.9918	41.1628	0.42	55
cis-1,2-Dichloroethene	1	63.0618	42.7813	38*	36
Bromochloromethane	1	69.3745	46.2011	40*	29
2,2-Dichloropropane	1	50.0654	33.877	39*	38
Ethyl acetate	1	65.2507	35.4534	59	106
1,4-Dioxane	1	1503.474	2102.236	33	38
1,1-Dichloropropene	1	66.7626	49.4544	30	39
Chloroform	1	52.723	35.9874	38*	31
Cyclohexane	1	96.6011	68.3042	34	44
1,2-Dichloroethane	1	31.7111	21.061	40*	29
2-Butanone	1	61.3566	37.494	48*	46
1,1,1-Trichloroethane	1	45.65	31.6829	36	36
Carbon Tetrachloride	1	41.473	29.9224	32	37
Vinyl Acetate	1	46.4543	29.5407	45*	44
Bromodichloromethane	1	25.6156	32.8833	25	32
Methylcyclohexane	1	33.1545	58.1548	55*	45
Dibromomethane	1	26.7093	35.8996	29	30
1,2-Dichloropropane	1	32.8165	53.8758	49*	31
Trichloroethene	1	31.6395	48.8338	43*	36
Benzene	1	75.3676	53.0093	35*	33
tert-Amyl methyl ether	1	60.4077	40.232	40*	29
Iso-propylacetate	1	90.9018	38.3782	81	117
Methyl methacrylate	1	44.1685	43.9996	0.38	68
Dibromochloromethane	1	47.0328	36.2173	26	35
2-Chloroethylvinylether	1	46.9772	40.3404	15	167
cis-1,3-Dichloropropene	1	46.0388	44.5189	3.4	36
trans-1,3-Dichloropropene	1	45.8475	35.7898	25	37
Ethyl methacrylate	1	50.7321	35.5815	35	46
1,1,2-Trichloroethane	1	51.8621	46.0166	12	41
1,2-Dibromoethane	1	53.8295	43.2565	22	34
1,3-Dichloropropane	1	53.6017	43.6587	20	33
4-Methyl-2-Pentanone	1	46.6076	39.3789	17	57
2-Hexanone	1	53.7582	36.5345	38	63
Tetrachloroethene	1	45.4958	43.6297	4.2	40
Toluene	1	47.3487	49.2309	3.9	38
1,1,1,2-Tetrachloroethane	1	40.0899	37.9261	5.5	35
Chlorobenzene	1	45.3153	46.4318	2.4	38

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS120173

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	60.5125	79.6956	27	134
n-Amyl acetate	1	55.3076	59.1521	6.7	166
Bromoform	**1**	**45.9851**	**76.3658**	**50***	**37**
Ethylbenzene	**1**	**45.0127**	**100.5716**	**76***	**36**
1,1,2,2-Tetrachloroethane	**1**	**60.5876**	**106.7313**	**55***	**40**
Styrene	**1**	**44.803**	**103.1239**	**79***	**45**
m&p-Xylenes	**1**	**97.6085**	**202.346**	**70***	**44**
o-Xylene	**1**	**39.4786**	**93.4574**	**81***	**43**
trans-1,4-Dichloro-2-butene	1	46.6542	70.3191	40*	39
1,3-Dichlorobenzene	**1**	**44.9669**	**54.6269**	**19**	**46**
1,4-Dichlorobenzene	**1**	**42.2486**	**47.6451**	**12**	**47**
1,2-Dichlorobenzene	**1**	**42.3418**	**34.6719**	**20**	**47**
Isopropylbenzene	**1**	**51.8977**	**108.1175**	**70***	**46**
Cyclohexanone	1	451.5932	186.7793	83*	63
Camphene	1	56.1936	110.6347	65*	54
1,2,3-Trichloropropane	1	55.0161	86.7721	45*	38
2-Chlorotoluene	1	52.8353	66.1742	22	47
p-Ethyltoluene	1	53.1373	65.199	20	58
4-Chlorotoluene	1	48.7315	72.6647	39	48
n-Propylbenzene	1	53.5292	88.5889	49*	46
Bromobenzene	1	50.9735	94.3941	60*	41
1,3,5-Trimethylbenzene	1	47.4775	73.0305	42	45
Butyl methacrylate	1	45.3371	52.9366	15	83
t-Butylbenzene	1	44.5889	48.9853	9.4	46
1,2,4-Trimethylbenzene	1	46.9193	51.2696	8.9	49
sec-Butylbenzene	1	51.878	65.5822	23	49
4-Isopropyltoluene	1	45.5483	52.684	15	51
n-Butylbenzene	1	46.4239	42.4158	9	55
p-Diethylbenzene	1	45.6814	39.5763	14	55
1,2,4,5-Tetramethylbenzene	1	44.6856	34.1716	27	59
1,2-Dibromo-3-Chloropropane	**1**	**67.4368**	**32.4372**	**70***	**43**
Camphor	1	~~981.8398~~	331.2577	~~99~~	
Hexachlorobutadiene	1	57.4767	34.9098	49	56
1,2,4-Trichlorobenzene	**1**	**70.5837**	**36.97**	**63***	**58**
1,2,3-Trichlorobenzene	**1**	**68.9959**	**36.1483**	**62***	**60**
Naphthalene	1	75.3425	32.5154	79*	70

U-f 12112

* - Indicates outside of limits | NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB119813

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M130905.D	AD48435-024(MS)	12/5/2024 6:32:00 PM
Non Spike(If applicable):	9M130904.D	AD48435-024	12/5/2024 6:10:00 PM
Inst Blank(If applicable):			

Method: 8270E Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,4-Dioxane	1	10.9249	0	50	22	10	60
Pyridine	1	25.2243	0	50	50	13	107
N-Nitrosodimethylamine	1	25.1551	0	50	50	30	100
Benzaldehyde	1	24.2177	0	50	48	10	121
Aniline	1	11.2436	0	50	22	10	96
Pentachloroethane	1	27.2474	0	50	54	19	125
bis(2-Chloroethyl)ether	1	26.3979	0	50	53	28	120
Phenol	1	55.8555	0	100	56	32	119
2-Chlorophenol	1	61.0039	0	100	61	33	124
N-Decane	1	21.3917	0	50	43	10	142
1,3-Dichlorobenzene	1	26.7365	0	50	53	32	105
1,4-Dichlorobenzene	1	28.2424	0	50	56	37	100
1,2-Dichlorobenzene	1	30.0662	0	50	60	29	108
Benzyl alcohol	1	32.9714	0	50	66	37	119
bis(2-chloroisopropyl)ether	1	26.7163	0	50	53	20	110
2-Methylphenol	1	66.3338	0	100	66	38	114
Acetophenone	1	31.8766	0	50	64	11	152
Hexachloroethane	1	26.3098	0	50	53	10	130
N-Nitroso-di-n-propylamine	1	29.3305	0	50	59	10	151
3&4-Methylphenol	1	66.2053	0	100	66	36	127
Nitrobenzene	1	29.9318	0	50	60	20	142
Isophorone	1	28.6235	0	50	57	10	164
2-Nitrophenol	1	66.1876	0	100	66	16	146
2,4-Dimethylphenol	1	68.0535	0	100	68	15	150
Benzoic Acid	1	79.655	0	100	80	10	182
bis(2-Chloroethoxy)methane	1	30.1076	0	50	60	26	131
2,4-Dichlorophenol	1	75.1655	0	100	75	20	146
1,2,4-Trichlorobenzene	1	31.9112	0	50	64	33	121
Naphthalene	1	30.0316	0	50	60	10	153
4-Chloroaniline	1	16.1607	0	50	32	10	112
Hexachlorobutadiene	1	32.5186	0	50	65	32	113
Caprolactam	1	39.2518	0	50	79	10	174
4-Chloro-3-methylphenol	1	75.7987	0	100	76	32	138
2-Methylnaphthalene	1	32.1496	0	50	64	11	153
1-Methylnaphthalene	1	36.5809	0	50	73	10	180
1,1'-Biphenyl	1	35.8236	0	50	72	18	148
1,2,4,5-Tetrachlorobenzene	1	33.8986	0	50	68	31	124
Hexachlorocyclopentadiene	1	21.3059	0	50	43	10	103
2,4,6-Trichlorophenol	1	70.7736	0	100	71	32	137
2,4,5-Trichlorophenol	1	70.467	0	100	70	36	131
2-Chloronaphthalene	1	32.195	0	50	64	41	115
1,4-Dimethylnaphthalene	1	35.0321	0	50	70	10	205
Diphenyl Ether	1	33.072	0	50	66	31	127
2-Nitroaniline	1	30.9014	0	50	62	32	142
Acenaphthylene	1	33.6449	0	50	67	26	133
Dimethylphthalate	1	33.0039	0	50	66	40	120
2,6-Dinitrotoluene	1	31.2134	0	50	62	18	148
Acenaphthene	1	31.5144	0	50	63	11	158
3-Nitroaniline	1	26.4917	0	50	53	14	137
2,4-Dinitrophenol	1	66.4433	0	100	66	10	128
Dibenzofuran	1	34.6525	0	50	69	10	170
2,4-Dinitrotoluene	1	35.1355	0	50	70	10	173
4-Nitrophenol	1	68.6456	0	100	69	23	140
2,3,4,6-Tetrachlorophenol	1	81.8054	0	100	82	26	127
Fluorene	1	33.207	0	50	66	14	152
4-Chlorophenyl-phenylether	1	34.171	0	50	68	40	121
Diethylphthalate	1	34.2123	0	50	68	40	119
4-Nitroaniline	1	32.4016	0	50	65	31	125
Atrazine	1	41.5025	0	50	83	12	164
4,6-Dinitro-2-methylphenol	1	70.7569	0	100	71	10	146
n-Nitrosodiphenylamine	1	29.4856	0	50	59	10	172

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB119813

Method: 8270E | Matrix: Soil | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,2-Diphenylhydrazine	1	29.8129	0	50	60	24	144
4-Bromophenyl-phenylether	**1**	**39.3077**	**0**	**50**	**79**	**26**	**148**
Hexachlorobenzene	**1**	**39.6297**	**0**	**50**	**79**	**36**	**124**
N-Octadecane	1	38.7794	0	50	78	10	186
Pentachlorophenol	**1**	**83.7524**	**0**	**100**	**84**	**21**	**148**
Phenanthrene	**1**	**36.7907**	**2.3079**	**50**	**69**	**10**	**175**
Anthracene	**1**	**34.0414**	**0**	**50**	**68**	**21**	**148**
Carbazole	**1**	**38.198**	**0**	**50**	**76**	**36**	**137**
Di-n-butylphthalate	**1**	**37.5729**	**0**	**50**	**75**	**41**	**134**
Fluoranthene	**1**	**42.3333**	**4.8891**	**50**	**75**	**10**	**186**
Pyrene	**1**	**38.2158**	**4.4373**	**50**	**68**	**10**	**196**
Benzidine	1	0	0	50	0*	10	77
Butylbenzylphthalate	**1**	**35.7804**	**0**	**50**	**72**	**40**	**139**
3,3'-Dichlorobenzidine	**1**	**21.3091**	**0**	**50**	**43**	**10**	**110**
Benzo[a]anthracene	**1**	**37.3266**	**3.2059**	**50**	**68**	**13**	**142**
Chrysene	**1**	**33.2963**	**3.3445**	**50**	**60**	**11**	**161**
bis(2-Ethylhexyl)phthalate	**1**	**36.3904**	**0**	**50**	**73**	**34**	**156**
Di-n-octylphthalate	**1**	**36.6059**	**0**	**50**	**73**	**28**	**158**
Benzo[b]fluoranthene	**1**	**38.0358**	**4.9898**	**50**	**66**	**20**	**156**
Benzo[k]fluoranthene	**1**	**32.6918**	**0**	**50**	**65**	**15**	**156**
Benzo[a]pyrene	**1**	**35.3604**	**3.4589**	**50**	**64**	**14**	**144**
Indeno[1,2,3-cd]pyrene	**1**	**38.1552**	**3.0877**	**50**	**70**	**24**	**142**
Dibenzo[a,h]anthracene	**1**	**34.4532**	**0**	**50**	**69**	**29**	**132**
Benzo[g,h,i]perylene	**1**	**37.7814**	**2.9808**	**50**	**70**	**12**	**142**

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB119813

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M130906.D	AD48435-024(MSD)	12/5/2024 6:53:00 PM
Non Spike(If applicable):	9M130904.D	AD48435-024	12/5/2024 6:10:00 PM
Inst Blank(If applicable):			

Method: 8270E Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,4-Dioxane	**1**	**16.6135**	**0**	**50**	**33**	**10**	**60**
Pyridine	1	31.741	0	50	63	13	107
N-Nitrosodimethylamine	1	32.3776	0	50	65	30	100
Benzaldehyde	**1**	**31.7863**	**0**	**50**	**64**	**10**	**121**
Aniline	1	17.3126	0	50	35	10	96
Pentachloroethane	1	33.7041	0	50	67	19	125
bis(2-Chloroethyl)ether	**1**	**31.918**	**0**	**50**	**64**	**28**	**120**
Phenol	**1**	**69.8366**	**0**	**100**	**70**	**32**	**119**
2-Chlorophenol	**1**	**75.5221**	**0**	**100**	**76**	**33**	**124**
N-Decane	1	28.0894	0	50	56	10	142
1,3-Dichlorobenzene	1	33.3574	0	50	67	32	105
1,4-Dichlorobenzene	1	35.3936	0	50	71	37	100
1,2-Dichlorobenzene	1	37.2363	0	50	74	29	208
Benzyl alcohol	1	41.7142	0	50	83	37	119
bis(2-chloroisopropyl)ether	**1**	**33.9559**	**0**	**50**	**68**	**20**	**110**
2-Methylphenol	**1**	**83.8712**	**0**	**100**	**84**	**38**	**114**
Acetophenone	**1**	**39.7921**	**0**	**50**	**80**	**11**	**152**
Hexachloroethane	**1**	**33.4906**	**0**	**50**	**67**	**10**	**130**
N-Nitroso-di-n-propylamine	**1**	**37.3181**	**0**	**50**	**75**	**10**	**151**
3&4-Methylphenol	**1**	**81.8653**	**0**	**100**	**82**	**36**	**127**
Nitrobenzene	**1**	**37.689**	**0**	**50**	**75**	**20**	**142**
Isophorone	**1**	**36.2625**	**0**	**50**	**73**	**10**	**164**
2-Nitrophenol	**1**	**84.6372**	**0**	**100**	**85**	**16**	**146**
2,4-Dimethylphenol	**1**	**85.3493**	**0**	**100**	**85**	**15**	**150**
Benzoic Acid	1	93.347	0	100	93	10	182
bis(2-Chloroethoxy)methane	**1**	**38.7218**	**0**	**50**	**77**	**26**	**131**
2,4-Dichlorophenol	**1**	**93.3278**	**0**	**100**	**93**	**20**	**146**
1,2,4-Trichlorobenzene	1	40.5269	0	50	81	33	121
Naphthalene	**1**	**38.1421**	**0**	**50**	**76**	**10**	**153**
4-Chloroaniline	**1**	**23.2404**	**0**	**50**	**46**	**10**	**112**
Hexachlorobutadiene	**1**	**42.0253**	**0**	**50**	**84**	**32**	**113**
Caprolactam	**1**	**47.8804**	**0**	**50**	**96**	**10**	**174**
4-Chloro-3-methylphenol	**1**	**92.3094**	**0**	**100**	**92**	**32**	**138**
2-Methylnaphthalene	**1**	**39.5688**	**0**	**50**	**79**	**11**	**153**
1-Methylnaphthalene	1	46.5497	0	50	93	10	180
1,1'-Biphenyl	**1**	**45.6128**	**0**	**50**	**91**	**18**	**148**
1,2,4,5-Tetrachlorobenzene	**1**	**42.3217**	**0**	**50**	**85**	**31**	**124**
Hexachlorocyclopentadiene	**1**	**25.216**	**0**	**50**	**50**	**10**	**103**
2,4,6-Trichlorophenol	**1**	**86.639**	**0**	**100**	**87**	**32**	**137**
2,4,5-Trichlorophenol	**1**	**86.0518**	**0**	**100**	**86**	**36**	**131**
2-Chloronaphthalene	**1**	**40.4634**	**0**	**50**	**81**	**41**	**115**
1,4-Dimethylnaphthalene	1	43.522	0	50	87	10	205
Diphenyl Ether	1	41.4721	0	50	83	31	127
2-Nitroaniline	**1**	**38.6305**	**0**	**50**	**77**	**32**	**142**
Acenaphthylene	**1**	**47.2727**	**0**	**50**	**95**	**26**	**133**
Dimethylphthalate	**1**	**40.9843**	**0**	**50**	**82**	**40**	**120**
2,6-Dinitrotoluene	**1**	**39.2685**	**0**	**50**	**79**	**18**	**148**
Acenaphthene	**1**	**39.7822**	**0**	**50**	**80**	**11**	**158**
3-Nitroaniline	**1**	**34.95**	**0**	**50**	**70**	**14**	**137**
2,4-Dinitrophenol	**1**	**70.6563**	**0**	**100**	**71**	**10**	**128**
Dibenzofuran	**1**	**42.7909**	**0**	**50**	**86**	**10**	**170**
2,4-Dinitrotoluene	**1**	**42.9538**	**0**	**50**	**86**	**10**	**173**
4-Nitrophenol	**1**	**83.7371**	**0**	**100**	**84**	**23**	**140**
2,3,4,6-Tetrachlorophenol	**1**	**98.4476**	**0**	**100**	**98**	**26**	**126**
Fluorene	**1**	**42.5647**	**0**	**50**	**85**	**14**	**152**
4-Chlorophenyl-phenylether	**1**	**41.8894**	**0**	**50**	**84**	**40**	**121**
Diethylphthalate	**1**	**41.5899**	**0**	**50**	**83**	**40**	**119**
4-Nitroaniline	**1**	**40.4693**	**0**	**50**	**81**	**31**	**125**
Atrazine	**1**	**49.848**	**0**	**50**	**100**	**12**	**164**
4,6-Dinitro-2-methylphenol	**1**	**80.6176**	**0**	**100**	**81**	**10**	**146**
n-Nitrosodiphenylamine	**1**	**36.5503**	**0**	**50**	**73**	**10**	**172**

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB119813

Method: 8270E | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,2-Diphenylhydrazine	1	37.1435	0	50	74	24	144
4-Bromophenyl-phenylether	**1**	**48.0129**	**0**	**50**	**96**	**26**	**148**
Hexachlorobenzene	**1**	**48.8058**	**0**	**50**	**98**	**36**	**124**
N-Octadecane	1	48.4093	0	50	97	10	186
Pentachlorophenol	**1**	**98.1917**	**0**	**100**	**98**	**21**	**148**
Phenanthrene	**1**	**50.5288**	**2.3079**	**50**	**96**	**10**	**175**
Anthracene	**1**	**44.8742**	**0**	**50**	**90**	**21**	**148**
Carbazole	**1**	**47.0483**	**0**	**50**	**94**	**36**	**137**
Di-n-butylphthalate	**1**	**45.041**	**0**	**50**	**90**	**41**	**134**
Fluoranthene	**1**	**70.736**	**4.8891**	**50**	**132**	**10**	**186**
Pyrene	**1**	**80.4776**	**4.4373**	**50**	**152**	**10**	**196**
Benzidine	1	0	0	50	0*	10	77
Butylbenzylphthalate	**1**	**44.0415**	**0**	**50**	**88**	**40**	**139**
3,3'-Dichlorobenzidine	**1**	**27.6753**	**0**	**50**	**55**	**10**	**110**
Benzo[a]anthracene	**1**	**64.2165**	**3.2059**	**50**	**122**	**13**	**142**
Chrysene	**1**	**59.2239**	**3.3445**	**50**	**112**	**11**	**161**
bis(2-Ethylhexyl)phthalate	**1**	**42.9909**	**0**	**50**	**86**	**34**	**156**
Di-n-octylphthalate	**1**	**43.7193**	**0**	**50**	**87**	**28**	**158**
Benzo[b]fluoranthene	**1**	**65.8976**	**4.9898**	**50**	**122**	**20**	**156**
Benzo[k]fluoranthene	**1**	**46.3013**	**0**	**50**	**93**	**15**	**156**
Benzo[a]pyrene	**1**	**61.2035**	**3.4589**	**50**	**115**	**14**	**144**
Indeno[1,2,3-cd]pyrene	**1**	**60.4192**	**3.0877**	**50**	**115**	**24**	**142**
Dibenzo[a,h]anthracene	**1**	**44.9524**	**0**	**50**	**90**	**29**	**132**
Benzo[g,h,i]perylene	**1**	**57.5487**	**2.9808**	**50**	**109**	**12**	**142**

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: SMB119813

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M130906.D	AD48435-024(MSD)	12/5/2024 6:53:00 PM
Duplicate(If applicable):	9M130905.D	AD48435-024(MS)	12/5/2024 6:32:00 PM
Inst Blank(If applicable):			

Method: 8270E Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
1,4-Dioxane	1	16.6135	10.9249	41	62
Pyridine	1	31.741	25.2243	23	78
N-Nitrosodimethylamine	1	32.3776	25.1551	25	44
Benzaldehyde	1	31.7863	24.2177	27	44
Aniline	1	17.3126	11.2436	43	90
Pentachloroethane	1	33.7041	27.2474	21	54
bis(2-Chloroethyl)ether	1	31.918	26.3979	19	47
Phenol	1	69.8366	55.8555	22	46
2-Chlorophenol	1	75.5221	61.0039	21	47
N-Decane	1	28.0894	21.3917	27	62
1,3-Dichlorobenzene	1	33.3574	26.7365	22	45
1,4-Dichlorobenzene	1	35.3936	28.2424	22	40
1,2-Dichlorobenzene	1	37.2363	30.0662	21	40
Benzyl alcohol	1	41.7142	32.9714	23	49
bis(2-chloroisopropyl)ether	1	33.9559	26.7163	24	39
2-Methylphenol	1	83.8712	66.3338	23	46
Acetophenone	1	39.7921	31.8766	22	50
Hexachloroethane	1	33.4906	26.3098	24	66
N-Nitroso-di-n-propylamine	1	37.3181	29.3305	24	47
3&4-Methylphenol	1	81.8653	66.2053	21	49
Nitrobenzene	1	37.689	29.9318	23	48
Isophorone	1	36.2625	28.6235	24	47
2-Nitrophenol	1	84.6372	66.1876	24	52
2,4-Dimethylphenol	1	85.3493	68.0535	23	48
Benzoic Acid	1	93.347	79.655	16	70
bis(2-Chloroethoxy)methane	1	38.7218	30.1076	25	45
2,4-Dichlorophenol	1	93.3278	75.1655	22	47
1,2,4-Trichlorobenzene	1	40.5269	31.9112	24	39
Naphthalene	1	38.1421	30.0316	24	58
4-Chloroaniline	1	23.2404	16.1607	36	75
Hexachlorobutadiene	1	42.0253	32.5186	26	40
Caprolactam	1	47.8804	39.2518	20	41
4-Chloro-3-methylphenol	1	92.3094	75.7987	20	47
2-Methylnaphthalene	1	39.5688	32.1496	21	39
1-Methylnaphthalene	1	46.5497	36.5809	24	41
1,1'-Biphenyl	1	45.6128	35.8236	24	43
1,2,4,5-Tetrachlorobenzene	1	42.3217	33.8986	22	53
Hexachlorocyclopentadiene	1	25.216	21.3059	17	113
2,4,6-Trichlorophenol	1	86.639	70.7736	20	63
2,4,5-Trichlorophenol	1	86.0518	70.467	20	49
2-Chloronaphthalene	1	40.4634	32.195	23	53
1,4-Dimethylnaphthalene	1	43.522	35.0321	22	45
Diphenyl Ether	1	41.4721	33.072	23	52
2-Nitroaniline	1	38.6305	30.9014	22	46
Acenaphthylene	1	47.2727	33.6449	34	48
Dimethylphthalate	1	40.9843	33.0039	22	49
2,6-Dinitrotoluene	1	39.2685	31.2134	23	49
Acenaphthene	1	39.7822	31.5144	23	39
3-Nitroaniline	1	34.95	26.4917	28	51
2,4-Dinitrophenol	1	70.6563	66.4433	6.1	88
Dibenzofuran	1	42.7909	34.6525	21	45
2,4-Dinitrotoluene	1	42.9538	35.1355	20	47
4-Nitrophenol	1	83.7371	68.6456	20	53
2,3,4,6-Tetrachlorophenol	1	98.4476	81.8054	18	50
Fluorene	1	42.5647	33.207	25	41
4-Chlorophenyl-phenylether	1	41.8894	34.171	20	39
Diethylphthalate	1	41.5899	34.2123	19	46
4-Nitroaniline	1	40.4693	32.4016	22	47
Atrazine	1	49.848	41.5025	18	59
4,6-Dinitro-2-methylphenol	1	80.6176	70.7569	13	100
n-Nitrosodiphenylamine	1	36.5503	29.4856	21	56

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: SMB119813

Method: 8270E | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
1,2-Diphenylhydrazine	1	37.1435	29.8129	22	45
4-Bromophenyl-phenylether	**1**	**48.0129**	**39.3077**	**20**	**41**
Hexachlorobenzene	**1**	**48.8058**	**39.6297**	**21**	**54**
N-Octadecane	1	48.4093	38.7794	22	42
Pentachlorophenol	**1**	**98.1917**	**83.7524**	**16**	**48**
Phenanthrene	**1**	**50.5288**	**36.7907**	**31**	**70**
Anthracene	**1**	**44.8742**	**34.0414**	**27**	**47**
Carbazole	**1**	**47.0483**	**38.198**	**21**	**46**
Di-n-butylphthalate	**1**	**45.041**	**37.5729**	**18**	**47**
Fluoranthene	**1**	**70.736**	**42.3333**	**50**	**63**
Pyrene	**1**	**80.4776**	**38.2158**	**71***	**61**
Benzidine	1	0	0	NA	267
Butylbenzylphthalate	**1**	**44.0415**	**35.7804**	**21**	**40**
3,3'-Dichlorobenzidine	**1**	**27.6753**	**21.3091**	**26**	**48**
Benzo[a]anthracene	**1**	**64.2165**	**37.3266**	**53**	**55**
Chrysene	**1**	**59.2239**	**33.2963**	**56***	**54**
bis(2-Ethylhexyl)phthalate	**1**	**42.9909**	**36.3904**	**17**	**39**
Di-n-octylphthalate	**1**	**43.7193**	**36.6059**	**18**	**60**
Benzo[b]fluoranthene	**1**	**65.8976**	**38.0358**	**54**	**64**
Benzo[k]fluoranthene	**1**	**46.3013**	**32.6918**	**34**	**57**
Benzo[a]pyrene	**1**	**61.2035**	**35.3604**	**54**	**58**
Indeno[1,2,3-cd]pyrene	**1**	**60.4192**	**38.1552**	**45**	**50**
Dibenzo[a,h]anthracene	**1**	**44.9524**	**34.4532**	**26**	**45**
Benzo[g,h,i]perylene	**1**	**57.5487**	**37.7814**	**41**	**48**

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB119814

	Data File	Sample ID:	Analysis Date
Spike or Dup:	7M140221.D	SMB119814(MS)	12/6/2024 12:10:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270E Matrix: Soil Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,4-Dioxane	1	15.5852	0	50	31	10	60
Pyridine	1	40.7263	0	50	81	13	107
N-Nitrosodimethylamine	1	34.4122	0	50	69	30	100
Benzaldehyde	1	36.572	0	50	73	10	121
Aniline	1	18.9072	0	50	38	10	96
Pentachloroethane	1	37.7833	0	50	76	19	125
bis(2-Chloroethyl)ether	1	40.4136	0	50	81	28	120
Phenol	1	81.7153	0	100	82	32	119
2-Chlorophenol	1	81.056	0	100	81	33	124
N-Decane	1	28.658	0	50	57	10	142
1,3-Dichlorobenzene	1	36.59	0	50	73	32	105
1,4-Dichlorobenzene	1	41.7408	0	50	83	37	100
1,2-Dichlorobenzene	1	43.6343	0	50	87	29	108
Benzyl alcohol	1	42.6851	0	50	85	37	119
bis(2-chloroisopropyl)ether	1	39.4113	0	50	79	20	110
2-Methylphenol	1	88.9566	0	100	89	38	114
Acetophenone	1	45.8656	0	50	92	11	152
Hexachloroethane	1	41.2784	0	50	83	10	130
N-Nitroso-di-n-propylamine	1	42.7722	0	50	86	10	151
3&4-Methylphenol	1	88.2004	0	100	88	36	127
Nitrobenzene	1	45.6021	0	50	91	20	142
Isophorone	1	39.8225	0	50	80	10	164
2-Nitrophenol	1	89.8763	0	100	90	16	146
2,4-Dimethylphenol	1	80.9876	0	100	81	15	150
Benzoic Acid	1	78.1795	0	100	78	10	182
bis(2-Chloroethoxy)methane	1	42.2283	0	50	84	26	131
2,4-Dichlorophenol	1	89.9094	0	100	90	20	146
1,2,4-Trichlorobenzene	1	44.7819	0	50	90	33	121
Naphthalene	1	45.9242	0	50	92	10	153
4-Chloroaniline	1	23.973	0	50	48	10	112
Hexachlorobutadiene	1	41.9212	0	50	84	32	113
Caprolactam	1	45.2965	0	50	91	10	174
4-Chloro-3-methylphenol	1	90.5032	0	100	91	32	138
2-Methylnaphthalene	1	43.2041	0	50	86	11	153
1-Methylnaphthalene	1	50.9831	0	50	102	10	180
1,1'-Biphenyl	1	44.7303	0	50	89	18	148
1,2,4,5-Tetrachlorobenzene	1	45.6201	0	50	91	31	124
Hexachlorocyclopentadiene	1	44.0646	0	50	88	10	103
2,4,6-Trichlorophenol	1	91.0677	0	100	91	32	137
2,4,5-Trichlorophenol	1	88.8726	0	100	89	36	131
2-Chloronaphthalene	1	46.0482	0	50	92	41	115
1,4-Dimethylnaphthalene	1	47.951	0	50	96	10	205
Diphenyl Ether	1	47.1497	0	50	94	31	127
2-Nitroaniline	1	49.516	0	50	99	32	142
Acenaphthylene	1	48.1341	0	50	96	26	133
Dimethylphthalate	1	44.4239	0	50	89	40	120
2,6-Dinitrotoluene	1	45.4897	0	50	91	18	148
Acenaphthene	1	43.9795	0	50	88	11	158
3-Nitroaniline	1	31.8557	0	50	64	14	137
2,4-Dinitrophenol	1	83.3861	0	100	83	10	128
Dibenzofuran	1	45.1757	0	50	90	10	170
2,4-Dinitrotoluene	1	44.4678	0	50	89	10	173
4-Nitrophenol	1	100.1469	0	100	100	23	140
2,3,4,6-Tetrachlorophenol	1	93.2723	0	100	93	26	127
Fluorene	1	45.7283	0	50	91	14	152
4-Chlorophenyl-phenylether	1	44.3783	0	50	89	40	121
Diethylphthalate	1	46.9277	0	50	94	40	119
4-Nitroaniline	1	44.0582	0	50	88	31	125
Atrazine	1	48.4002	0	50	97	12	164
4,6-Dinitro-2-methylphenol	1	106.6032	0	100	107	10	146
n-Nitrosodiphenylamine	1	40.1388	0	50	80	10	172

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB119814

Method: 8270E | Matrix: Soil | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,2-Diphenylhydrazine	1	47.0736	0	50	94	24	144
4-Bromophenyl-phenylether	**1**	**48.3374**	**0**	**50**	**97**	**26**	**148**
Hexachlorobenzene	**1**	**47.4534**	**0**	**50**	**95**	**36**	**124**
N-Octadecane	1	52.7897	0	50	106	10	186
Pentachlorophenol	**1**	**102.2291**	**0**	**100**	**102**	**21**	**148**
Phenanthrene	**1**	**48.7656**	**0**	**50**	**98**	**10**	**175**
Anthracene	**1**	**45.2359**	**0**	**50**	**90**	**21**	**148**
Carbazole	**1**	**50.2521**	**0**	**50**	**101**	**36**	**137**
Di-n-butylphthalate	**1**	**50.9645**	**0**	**50**	**102**	**41**	**134**
Fluoranthene	**1**	**48.3858**	**0**	**50**	**97**	**10**	**186**
Pyrene	**1**	**46.0951**	**0**	**50**	**92**	**10**	**196**
Benzidine	1	3.7066	0	50	7.4*	10	77
Butylbenzylphthalate	**1**	**47.829**	**0**	**50**	**96**	**40**	**139**
3,3'-Dichlorobenzidine	**1**	**25.9393**	**0**	**50**	**52**	**10**	**110**
Benzo[a]anthracene	**1**	**45.5894**	**0**	**50**	**91**	**13**	**142**
Chrysene	**1**	**42.0313**	**0**	**50**	**84**	**11**	**161**
bis(2-Ethylhexyl)phthalate	**1**	**49.2182**	**0**	**50**	**98**	**34**	**156**
Di-n-octylphthalate	**1**	**48.693**	**0**	**50**	**97**	**28**	**158**
Benzo[b]fluoranthene	**1**	**47.4826**	**0**	**50**	**95**	**20**	**156**
Benzo[k]fluoranthene	**1**	**45.7235**	**0**	**50**	**91**	**15**	**156**
Benzo[a]pyrene	**1**	**45.6844**	**0**	**50**	**91**	**14**	**144**
Indeno[1,2,3-cd]pyrene	**1**	**46.1118**	**0**	**50**	**92**	**24**	**142**
Dibenzo[a,h]anthracene	**1**	**47.6236**	**0**	**50**	**95**	**29**	**132**
Benzo[g,h,i]perylene	**1**	**49.4892**	**0**	**50**	**99**	**12**	**142**

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB119814

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M130967.D	AD48407-001(MS)	12/6/2024 9:04:00 PM
Non Spike(If applicable):	9M130937.D	AD48407-001	12/6/2024 9:39:00 AM
Inst Blank(If applicable):			

Method: 8270E Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,4-Dioxane	1	9.1074	0	50	18	10	60
Pyridine	1	18.5879	0	50	37	13	107
N-Nitrosodimethylamine	1	20.0283	0	50	40	30	100
Benzaldehyde	1	22.009	0	50	44	10	121
Aniline	1	11.2393	0	50	22	10	96
Pentachloroethane	1	22.0931	0	50	44	19	125
bis(2-Chloroethyl)ether	1	24.8959	0	50	50	28	120
N-Decane	1	17.8521	0	50	36	10	142
1,3-Dichlorobenzene	1	22.6663	0	50	45	32	105
1,4-Dichlorobenzene	1	25.0234	0	50	50	37	100
1,2-Dichlorobenzene	1	26.372	0	50	53	29	108
Benzyl alcohol	1	30.5162	0	50	61	37	119
bis(2-chloroisopropyl)ether	1	24.8816	0	50	50	20	110
Acetophenone	1	30.56	0	50	61	11	152
Hexachloroethane	1	22.2094	0	50	44	10	130
N-Nitroso-di-n-propylamine	1	27.9038	0	50	56	10	151
Nitrobenzene	1	27.9875	0	50	56	20	142
Isophorone	1	27.58	0	50	55	10	164
Benzoic Acid	1	13.4628	0	100	13	10	182
bis(2-Chloroethoxy)methane	1	29.3873	0	50	59	26	131
1,2,4-Trichlorobenzene	1	29.8252	0	50	60	33	121
Naphthalene	1	28.8593	0	50	58	10	153
4-Chloroaniline	1	18.2115	0	50	36	10	112
Hexachlorobutadiene	1	30.2156	0	50	60	32	113
Caprolactam	1	40.0872	0	50	80	10	174
2-Methylnaphthalene	1	32.107	0	50	64	11	153
1-Methylnaphthalene	1	38.0617	0	50	76	10	180
1,1'-Biphenyl	1	37.9894	0	50	76	18	148
1,2,4,5-Tetrachlorobenzene	1	35.4011	0	50	71	31	124
Hexachlorocyclopentadiene	1	6.5838	0	50	13	10	103
2-Chloronaphthalene	1	33.2558	0	50	67	41	115
1,4-Dimethylnaphthalene	1	37.2188	0	50	74	10	205
Diphenyl Ether	1	35.7915	0	50	72	31	127
2-Nitroaniline	1	31.8859	0	50	64	32	142
Acenaphthylene	1	34.9723	0	50	70	26	133
Dimethylphthalate	1	34.8545	0	50	70	40	120
2,6-Dinitrotoluene	1	32.794	0	50	66	18	148
Acenaphthene	1	33.2982	0	50	67	11	158
3-Nitroaniline	1	31.74	0	50	63	14	137
Dibenzofuran	1	36.0783	0	50	72	10	170
2,4-Dinitrotoluene	1	35.8447	0	50	72	10	173
Fluorene	1	34.3696	0	50	69	14	152
4-Chlorophenyl-phenylether	1	35.7686	0	50	72	40	121
Diethylphthalate	1	35.8762	0	50	72	40	119
4-Nitroaniline	1	37.1667	0	50	74	31	125
Atrazine	1	45.1928	0	50	90	12	164
n-Nitrosodiphenylamine	1	31.9231	0	50	64	10	172
1,2-Diphenylhydrazine	1	31.5769	0	50	63	24	144
4-Bromophenyl-phenylether	1	40.6969	0	50	81	26	148
Hexachlorobenzene	1	40.9245	0	50	82	36	124
N-Octadecane	1	44.293	0	50	89	10	186
Phenanthrene	1	38.0582	0	50	76	10	175
Anthracene	1	36.023	0	50	72	21	148
Carbazole	1	41.9163	0	50	84	36	137
Di-n-butylphthalate	1	39.9065	0	50	80	41	134
Fluoranthene	1	41.3654	0	50	83	10	186
Pyrene	1	38.5064	0	50	77	10	196
Benzidine	1	4.9022	0	50	9.8*	10	77
Butylbenzylphthalate	1	37.8033	0	50	76	40	139
3,3'-Dichlorobenzidine	1	34.4108	0	50	69	10	110
Benzo[a]anthracene	1	37.0508	0	50	74	13	142

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB119814

Method: 8270E | Matrix: Soil | Units: mg/Kg | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chrysene	1	32.7724	0	50	66	11	161
bis(2-Ethylhexyl)phthalate	1	35.717	0	50	71	34	156
Di-n-octylphthalate	1	39.1642	0	50	78	28	158
Benzo[b]fluoranthene	1	38.0595	0	50	76	20	156
Benzo[k]fluoranthene	1	33.1019	0	50	66	15	156
Benzo[a]pyrene	1	35.2426	0	50	70	14	144
Indeno[1,2,3-cd]pyrene	1	39.3005	0	50	79	24	142
Dibenzo[a,h]anthracene	1	36.5377	0	50	73	29	132
Benzo[g,h,i]perylene	1	38.4959	0	50	77	12	142

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB119832

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M130994.D	SMB119832(MS)	12/8/2024 1:08:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270E Matrix: Soil Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,4-Dioxane	1	21.6515	0	50	43	10	60
Pyridine	1	44.2115	0	50	88	13	107
N-Nitrosodimethylamine	1	39.4133	0	50	79	30	100
Benzaldehyde	1	31.2141	0	50	62	10	121
Aniline	1	11.2255	0	50	22	10	96
Pentachloroethane	1	40.9318	0	50	82	19	125
bis(2-Chloroethyl)ether	1	38.993	0	50	78	28	120
Phenol	1	82.322	0	100	82	32	119
2-Chlorophenol	1	92.0392	0	100	92	33	124
N-Decane	1	37.3015	0	50	75	10	142
1,3-Dichlorobenzene	1	42.6861	0	50	85	32	105
1,4-Dichlorobenzene	1	45.5877	0	50	91	37	100
1,2-Dichlorobenzene	1	47.6431	0	50	95	29	108
Benzyl alcohol	1	48.3589	0	50	97	37	119
bis(2-chloroisopropyl)ether	1	41.8296	0	50	84	20	110
2-Methylphenol	1	102.4675	0	100	102	38	114
Acetophenone	1	44.2773	0	50	89	11	152
Hexachloroethane	1	42.1204	0	50	84	10	130
N-Nitroso-di-n-propylamine	1	44.353	0	50	89	10	151
3&4-Methylphenol	1	100.6755	0	100	101	36	127
Nitrobenzene	1	44.7421	0	50	89	20	142
Isophorone	1	42.9325	0	50	86	10	164
2-Nitrophenol	1	107.7142	0	100	108	16	146
2,4-Dimethylphenol	1	100.561	0	100	101	15	150
Benzoic Acid	1	102.3565	0	100	102	10	182
bis(2-Chloroethoxy)methane	1	45.2148	0	50	90	26	131
2,4-Dichlorophenol	1	114.0881	0	100	114	20	146
1,2,4-Trichlorobenzene	1	49.5505	0	50	99	33	121
Naphthalene	1	45.9009	0	50	92	10	153
4-Chloroaniline	1	17.5821	0	50	35	10	112
Hexachlorobutadiene	1	52.2226	0	50	104	32	113
Caprolactam	1	54.7183	0	50	109	10	174
4-Chloro-3-methylphenol	1	118.1268	0	100	118	32	138
2-Methylnaphthalene	1	47.9035	0	50	96	11	153
1-Methylnaphthalene	1	51.4085	0	50	103	10	180
1,1'-Biphenyl	1	50.2554	0	50	101	18	148
1,2,4,5-Tetrachlorobenzene	1	46.4618	0	50	93	31	124
Hexachlorocyclopentadiene	1	31.6887	0	50	63	10	103
2,4,6-Trichlorophenol	1	107.4397	0	100	107	32	137
2,4,5-Trichlorophenol	1	107.3046	0	100	107	36	131
2-Chloronaphthalene	1	47.5372	0	50	95	41	115
1,4-Dimethylnaphthalene	1	47.4986	0	50	95	10	205
Diphenyl Ether	1	45.4667	0	50	91	31	127
2-Nitroaniline	1	43.5648	0	50	87	32	142
Acenaphthylene	1	49.0767	0	50	98	26	133
Dimethylphthalate	1	49.581	0	50	99	40	120
2,6-Dinitrotoluene	1	48.6024	0	50	97	18	148
Acenaphthene	1	46.6641	0	50	93	11	158
3-Nitroaniline	1	30.8616	0	50	62	14	137
2,4-Dinitrophenol	1	103.4173	0	100	103	10	128
Dibenzofuran	1	50.5853	0	50	101	10	170
2,4-Dinitrotoluene	1	55.31	0	50	111	10	173
4-Nitrophenol	1	108.9156	0	100	109	23	140
2,3,4,6-Tetrachlorophenol	1	121.3869	0	100	121	26	127
Fluorene	1	48.8257	0	50	98	14	152
4-Chlorophenyl-phenylether	1	49.8387	0	50	100	40	121
Diethylphthalate	1	49.6264	0	50	99	40	119
4-Nitroaniline	1	46.2548	0	50	93	31	125
Atrazine	1	55.5983	0	50	111	12	164
4,6-Dinitro-2-methylphenol	1	117.0816	0	100	117	10	146
n-Nitrosodiphenylamine	1	42.2731	0	50	85	10	172

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB119832

Method: 8270E | Matrix: Soil | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,2-Diphenylhydrazine	1	41.1697	0	50	82	24	144
4-Bromophenyl-phenylether	**1**	**55.634**	**0**	**50**	**111**	**26**	**148**
Hexachlorobenzene	**1**	**57.1488**	**0**	**50**	**114**	**36**	**124**
N-Octadecane	1	50.9238	0	50	102	10	186
Pentachlorophenol	**1**	**109.3758**	**0**	**100**	**109**	**21**	**148**
Phenanthrene	**1**	**50.2721**	**0**	**50**	**101**	**10**	**175**
Anthracene	**1**	**46.1427**	**0**	**50**	**92**	**21**	**148**
Carbazole	**1**	**49.6565**	**0**	**50**	**99**	**36**	**137**
Di-n-butylphthalate	**1**	**51.858**	**0**	**50**	**104**	**41**	**134**
Fluoranthene	**1**	**54.7178**	**0**	**50**	**109**	**10**	**186**
Pyrene	**1**	**47.5627**	**0**	**50**	**95**	**10**	**196**
Benzidine	1	0	0	50	0*	10	77
Butylbenzylphthalate	**1**	**47.8119**	**0**	**50**	**96**	**40**	**139**
3,3'-Dichlorobenzidine	**1**	**18.5663**	**0**	**50**	**37**	**10**	**110**
Benzo[a]anthracene	**1**	**48.7999**	**0**	**50**	**98**	**13**	**142**
Chrysene	**1**	**42.5951**	**0**	**50**	**85**	**11**	**161**
bis(2-Ethylhexyl)phthalate	**1**	**45.3519**	**0**	**50**	**91**	**34**	**156**
Di-n-octylphthalate	**1**	**47.7243**	**0**	**50**	**95**	**28**	**158**
Benzo[b]fluoranthene	**1**	**50.7418**	**0**	**50**	**101**	**20**	**156**
Benzo[k]fluoranthene	**1**	**44.8067**	**0**	**50**	**90**	**15**	**156**
Benzo[a]pyrene	**1**	**46.2691**	**0**	**50**	**93**	**14**	**144**
Indeno[1,2,3-cd]pyrene	**1**	**53.1463**	**0**	**50**	**106**	**24**	**142**
Dibenzo[a,h]anthracene	**1**	**48.3558**	**0**	**50**	**97**	**29**	**132**
Benzo[g,h,i]perylene	**1**	**51.6701**	**0**	**50**	**103**	**12**	**142**

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

FORM2

Surrogate Recovery

Method: EPA 8082A

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column2 S2 Recov	Column1 S3 Recov	Column2 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
2G198106.D	SMB119817	S	12/06/24 12:24	1		97	95	98	96		
2G198108.D	SMB119819	S	12/06/24 12:52	1		100	96	101	100		
;G1109431.D	AD48435-001	S	12/06/24 09:59	1		93	101	193 *	206 *		
;G1109432.D	AD48435-002	S	12/06/24 10:12	1		96	102	109	119		
;G1109433.D	AD48435-003	S	12/06/24 10:25	1		94	99	107	115		
;G1109434.D	AD48435-004	S	12/06/24 10:37	1		100	102	105	112		
2G198116.D	AD48435-005	S	12/06/24 14:26	1		103	104	114	116		
;G1109435.D	AD48435-006	S	12/06/24 10:50	1		80	89	858 *	1420 *		
;G1109436.D	AD48435-008	S	12/06/24 11:03	1		93	93	94	100		
;G1109437.D	AD48435-009	S	12/06/24 11:16	1		93	90	101	105		
;G1109438.D	AD48435-010	S	12/06/24 11:29	1		89	94	102	107		
;G1109439.D	AD48435-011	S	12/06/24 11:41	1		89	92	107	110		
;G1109440.D	AD48435-012	S	12/06/24 11:54	1		89	94	98	101		
;G1109441.D	AD48435-013	S	12/06/24 12:07	1		91	94	114	120		
;G1109442.D	AD48435-014	S	12/06/24 12:20	1		94	98	125	129		
2G198127.D	AD48435-015	S	12/06/24 16:37	1		107	104	132	135		
;G1109443.D	AD48435-016	S	12/06/24 12:32	1		85	93	91	94		
;G1109444.D	AD48435-017	S	12/06/24 12:45	1		89	98	98	102		
;G1109445.D	AD48435-018	S	12/06/24 12:58	1		87	89	95	99		
;G1109446.D	AD48435-019	S	12/06/24 13:11	1		94	98	93	97		
;G1109447.D	AD48435-020	S	12/06/24 13:24	1		92	95	92	94		
;G1109448.D	AD48435-021	S	12/06/24 13:36	1		86	89	92	93		
;G1109449.D	AD48435-022	S	12/06/24 13:49	1		95	97	101	104		
;G1109450.D	AD48435-023	S	12/06/24 14:02	1		89	94	107	109		
2G198115.D	AD48435-024	S	12/06/24 14:15	1		91	89	95	95		
2G198126.D	AD48485-006	S	12/06/24 16:25	1		87	84	91	91		
;G1109454.D	SMB119819(MS)	S	12/06/24 14:55	1		91	90	87	90		
;G1109455.D	AD48485-006(MS)	S	12/06/24 15:08	1		93	92	85	88		
;G1109456.D	AD48485-006(MSD)	S	12/06/24 15:21	1		99	103	89	92		
;G1109457.D	SMB119817(MS)	S	12/06/24 15:33	1		95	94	88	91		
;G1109458.D	AD48435-015(MS)	S	12/06/24 15:46	1		87	89	97	102		
;G1109459.D	AD48435-015(MSD)	S	12/06/24 15:59	1		92	99	98	101		

Flags: SD=Surrogate diluted out

*=Surrogate out

Method: EPA 8082A

Soil Laboratory Limits

Compound	Spike Amt	Limits
S1=TCMX-Surrogate	100	13-171
S2=TCMX-Surrogate	100	13-171
S3=DCB-Surrogate	100	10-186
S4=DCB-Surrogate	100	10-186

FORM2

Surrogate Recovery

Method: EPA 8081B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column2 S2 Recov	Column1 S3 Recov	Column2 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
3G162395.D	SMB119818	S	12/09/24 13:20	1		96	96	95	104		
6G193956.D	SMB119816	S	12/09/24 11:35	1		93	94	84	89		
6G193918.D	AD48435-001	S	12/06/24 11:06	1		97	104	151	177 *		
6G193919.D	AD48435-002	S	12/06/24 11:18	1		103	105	90	100		
6G193916.D	AD48435-003	S	12/06/24 10:42	1		102	101	98	105		
6G193917.D	AD48435-004	S	12/06/24 10:54	1		104	105	88	103		
6G193915.D	AD48435-005	S	12/06/24 10:29	1		99	101	107	101		
6G193914.D	AD48435-006	S	12/06/24 10:17	1		87	92	1210 *	1320 *		
6G193913.D	AD48435-008	S	12/06/24 10:05	1		102	103	85	107		
6G193926.D	AD48435-009	S	12/06/24 12:52	1		96	97	91	118		
6G193925.D	AD48435-010	S	12/06/24 12:40	1		95	98	91	119		
6G193928.D	AD48435-011	S	12/06/24 13:17	1		100	101	95	124		
6G193927.D	AD48435-012	S	12/06/24 13:04	1		98	101	87	112		
6G193922.D	AD48435-013	S	12/06/24 11:54	1		98	100	87	113		
6G193920.D	AD48435-014	S	12/06/24 11:30	1		102	102	97	116		
6G193911.D	AD48435-015	S	12/06/24 09:41	1		99	101	98	118		
6G193921.D	AD48435-016	S	12/06/24 11:42	1		94	95	69	88		
6G193912.D	AD48435-017	S	12/06/24 09:53	1		97	99	85	106		
6G193932.D	AD48435-018	S	12/06/24 14:05	1		94	99	88	106		
6G193933.D	AD48435-019(10X)	S	12/06/24 14:21	10		94	86	85	128		
6G193930.D	AD48435-020	S	12/06/24 13:41	1		99	100	91	108		
6G193929.D	AD48435-021	S	12/06/24 13:29	1		93	95	85	110		
6G193908.D	AD48435-022	S	12/06/24 09:05	1		97	98	92	113		
6G193909.D	AD48435-023	S	12/06/24 09:17	1		94	97	103	124		
6G193910.D	AD48435-024	S	12/06/24 09:29	1		87	89	78	85		
6G193907.D	AD48485-006	S	12/06/24 08:53	1		82	83	72	81		
6G193955.D	SMB119818(MS)	S	12/09/24 11:23	1		90	93	84	103		
6G193957.D	SMB119816(MS)	S	12/09/24 11:47	1		101	104	92	99		
6G193972.D	AD48485-006(MS)	S	12/09/24 15:16	1		99	100	92	98		
6G193973.D	AD48485-006(MSD)	S	12/09/24 15:28	1		86	87	80	84		
6G193974.D	AD48435-015(MS)	S	12/09/24 15:40	1		102	103	107	127		
6G193975.D	AD48435-015(MSD)	S	12/09/24 15:52	1		96	97	109	130		

Flags: SD=Surrogate diluted out

*=Surrogate out

Method: EPA 8081B

Soil Laboratory Limits

Compound	Spike Amt	Limits
S1=TCMX-Surrogate	100	27-138
S2=TCMX-Surrogate	100	27-138
S3=DCB-Surrogate	100	21-154
S4=DCB-Surrogate	100	21-154

FORM5/FORM7
SPIKE RECOVERY DATA
PREP BATCH: 116680

Instrument Type: ICPMS
Analytical Method(s):6020B/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AD48425-001

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	116680	1	S120224D	26	S120224D	22	5149.2020	1207.6860	2500	158	a	75	125
Antimony	116680	1	S120224D	26	S120224D	22	209.8660	1.5U	250	84		75	125
Arsenic	116680	1	S120224D	26	S120224D	22	212.3660	4.5550	250	83		75	125
Barium	116680	1	S120224D	26	S120224D	22	241.1900	4.8340	250	95		75	125
Beryllium	116680	1	S120224D	26	S120224D	22	226.2740	0.5U	250	91		75	125
Cadmium	116680	1	S120224D	26	S120224D	22	236.1890	1U	250	94		75	125
Calcium	116680	1	S120224D	26	S120224D	22	22640.4250	500U	25000	91		75	125
Chromium	116680	1	S120224D	26	S120224D	22	238.5440	12.7080	250	90		75	125
Cobalt	116680	1	S120224D	26	S120224D	22	219.4390	1U	250	88		75	125
Copper	116680	1	S120224D	26	S120224D	22	233.6100	6.6370	250	91		75	125
Iron	116680	1	S120224D	26	S120224D	22	11827.7900	10700.6820	2500	45	b	75	125
Lead	116680	1	S120224D	26	S120224D	22	237.3640	4.9030	250	93		75	125
Magnesium	116680	1	S120224D	26	S120224D	22	22249.7780	500U	25000	89		75	125
Manganese	116680	1	S120224D	26	S120224D	22	227.5210	5U	250	91		75	125
Nickel	116680	1	S120224D	26	S120224D	22	220.8850	5U	250	88		75	125
Potassium	116680	1	S120224D	26	S120224D	22	22121.5140	500U	25000	88		75	125
Selenium	116680	1	S120224D	26	S120224D	22	212.3600	5U	250	85		75	125
Silver	116680	1	S120224D	26	S120224D	22	43.8630	1U	50	88		75	125
Sodium	116680	1	S120224D	26	S120224D	22	22257.3910	500U	25000	89		75	125
Thallium	116680	1	S120224D	26	S120224D	22	227.3030	1U	250	91		75	125
Vanadium	116680	1	S120224D	26	S120224D	22	242.8290	13.4430	250	92		75	125
Zinc	116680	1	S120224D	26	S120224D	22	230.5650	20U	250	92		75	125

TxtQcType: MS Matrix: SOIL SampleID: AD48425-001

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	116680	1	S120224D	25	S120224D	22	5496.1410	1207.6860	2500	172	a	75	125
Antimony	116680	1	S120224D	25	S120224D	22	218.0790	1.5U	250	87		75	125
Arsenic	116680	1	S120224D	25	S120224D	22	221.0370	4.5550	250	87		75	125
Barium	116680	1	S120224D	25	S120224D	22	251.6090	4.8340	250	99		75	125
Beryllium	116680	1	S120224D	25	S120224D	22	235.9810	0.5U	250	94		75	125
Cadmium	116680	1	S120224D	25	S120224D	22	246.9290	1U	250	99		75	125
Calcium	116680	1	S120224D	25	S120224D	22	23648.7570	500U	25000	95		75	125
Chromium	116680	1	S120224D	25	S120224D	22	250.0910	12.7080	250	95		75	125
Cobalt	116680	1	S120224D	25	S120224D	22	228.3310	1U	250	91		75	125
Copper	116680	1	S120224D	25	S120224D	22	243.8240	6.6370	250	95		75	125
Iron	116680	1	S120224D	25	S120224D	22	13304.0320	10700.6820	2500	104		75	125
Lead	116680	1	S120224D	25	S120224D	22	245.6090	4.9030	250	96		75	125
Magnesium	116680	1	S120224D	25	S120224D	22	23301.7780	500U	25000	93		75	125
Manganese	116680	1	S120224D	25	S120224D	22	237.8600	5U	250	95		75	125
Nickel	116680	1	S120224D	25	S120224D	22	237.0090	5U	250	95		75	125
Potassium	116680	1	S120224D	25	S120224D	22	23241.3320	500U	25000	93		75	125
Selenium	116680	1	S120224D	25	S120224D	22	220.5830	5U	250	88		75	125
Silver	116680	1	S120224D	25	S120224D	22	46.6910	1U	50	93		75	125
Sodium	116680	1	S120224D	25	S120224D	22	23333.5250	500U	25000	93		75	125
Thallium	116680	1	S120224D	25	S120224D	22	236.6100	1U	250	95		75	125
Vanadium	116680	1	S120224D	25	S120224D	22	255.7340	13.4430	250	97		75	125
Zinc	116680	1	S120224D	25	S120224D	22	242.9610	20U	250	97		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 116681

Instrument Type: ICPMS

Analytical Method(s):6020B/200.8 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AD48435-001

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	116681	1	S120324C	26	S120324C	22	45361.5390	30767.8230	2500	584	b	75	125
Antimony	116681	1	S120324C	26	S120324C	22	97.4440	4.1140	250	37	a	75	125
Arsenic	116681	1	S120324C	26	S120324C	22	236.3310	36.5670	250	80		75	125
Barium	116681	1	S120324C	26	S120324C	22	955.6610	662.4160	250	117		75	125
Beryllium	116681	1	S120424C	25	S120424C	21	214.2530	1.7200	250	85		75	125
Cadmium	116681	1	S120324C	26	S120324C	22	221.8850	7.4490	250	86		75	125
Calcium	116681	1	S120324C	26	S120324C	22	37123.3170	24379.6700	25000	51	a	75	125
Chromium	116681	1	S120324C	26	S120324C	22	337.4970	115.6330	250	89		75	125
Cobalt	116681	1	S120324C	26	S120324C	22	241.1430	32.2130	250	84		75	125
Copper	116681	1	S120324C	26	S120324C	22	636.9880	496.3100	250	56	a	75	125
Iron	116681	1	S120324C	26	S120324C	22	98853.3120	102977.3570	2500	-160	b	75	125
Lead	116681	1	S120324C	26	S120324C	22	2331.6920	1613.3760	250	287	b	75	125
Magnesium	116681	1	S120324C	26	S120324C	22	31934.7340	9052.2170	25000	92		75	125
Manganese	116681	1	S120324C	26	S120324C	22	1676.8410	1424.6070	250	101		75	125
Nickel	116681	1	S120324C	26	S120324C	22	301.5100	75.7660	250	90		75	125
Potassium	116681	1	S120324C	26	S120324C	22	26917.1890	4292.6980	25000	90		75	125
Selenium	116681	1	S120324C	26	S120324C	22	222.4890	10.6960	250	85		75	125
Silver	116681	1	S120324C	26	S120324C	22	41.0710	2.0580	50	78		75	125
Sodium	116681	1	S120324C	26	S120324C	22	22028.9980	500U	25000	88		75	125
Thallium	116681	1	S120324C	26	S120324C	22	205.7800	1U	250	82		75	125
Vanadium	116681	1	S120324C	26	S120324C	22	348.4550	124.2210	250	90		75	125
Zinc	116681	1	S120324C	26	S120324C	22	1905.4870	2692.3540	250	-310	b	75	125

TxtQcType: MS Matrix: SOIL SampleID: AD48435-001

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	116681	1	S120324C	25	S120324C	22	32780.4900	30767.8230	2500	81		75	125
Antimony	116681	1	S120324C	25	S120324C	22	94.7960	4.1140	250	36	a	75	125
Arsenic	116681	1	S120324C	25	S120324C	22	217.4770	36.5670	250	72	a	75	125
Barium	116681	1	S120324C	25	S120324C	22	892.1390	662.4160	250	92		75	125
Beryllium	116681	1	S120424C	24	S120424C	21	213.2010	1.7200	250	85		75	125
Cadmium	116681	1	S120324C	25	S120324C	22	208.7900	7.4490	250	81		75	125
Calcium	116681	1	S120324C	25	S120324C	22	31668.0360	24379.6700	25000	29	a	75	125
Chromium	116681	1	S120324C	25	S120324C	22	292.1250	115.6330	250	71	a	75	125
Cobalt	116681	1	S120324C	25	S120324C	22	217.5640	32.2130	250	74	a	75	125
Copper	116681	1	S120324C	25	S120324C	22	596.5910	496.3100	250	40	a	75	125
Iron	116681	1	S120324C	25	S120324C	22	81647.9380	102977.3570	2500	-850	b	75	125
Lead	116681	1	S120324C	25	S120324C	22	1453.1810	1613.3760	250	-64	b	75	125
Magnesium	116681	1	S120324C	25	S120324C	22	27024.7730	9052.2170	25000	72	a	75	125
Manganese	116681	1	S120324C	25	S120324C	22	1309.7670	1424.6070	250	-46	b	75	125
Nickel	116681	1	S120324C	25	S120324C	22	267.4740	75.7660	250	77		75	125
Potassium	116681	1	S120324C	25	S120324C	22	23513.9990	4292.6980	25000	77		75	125
Selenium	116681	1	S120324C	25	S120324C	22	203.6810	10.6960	250	77		75	125
Silver	116681	1	S120324C	25	S120324C	22	37.9120	2.0580	50	72	a	75	125
Sodium	116681	1	S120324C	25	S120324C	22	19798.0230	500U	25000	79		75	125
Thallium	116681	1	S120324C	25	S120324C	22	198.2790	1U	250	79		75	125
Vanadium	116681	1	S120324C	25	S120324C	22	305.4080	124.2210	250	72	a	75	125
Zinc	116681	1	S120324C	25	S120324C	22	1733.1840	2692.3540	250	-380	b	75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 116681

Instrument Type: ICP/HG

Analytical Method(s):6010D/200.7/7470A/7471B/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 116681 5D

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Mercury	116681	5	H31573S	14	10.9900	84.6	65		53	124

TxtQcType: LCS Matrix: SOIL SampleID: LCS 116681 5D

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Mercury	116681	5	H31573S	13	12.3700	84.6	73		53	124

TxtQcType: MSD Matrix: SOIL SampleID: AD48435-001

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Mercury	116681	1	H31573S	18	H31573S	15	13.7200	7.8060	10	59	a	80	120

TxtQcType: MS Matrix: SOIL SampleID: AD48435-001

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Mercury	116681	1	H31573S	17	H31573S	15	21.9800	7.8060	10	142	a	80	120

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7
SPIKE RECOVERY DATA

PREP BATCH: 116681

Instrument Type: ICP/HG

Analytical Method(s):6010D/200.7/7470A/7471B/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: PS Matrix: SOIL SampleID: AD48435-001

Analyte	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Mercury	1	H31573S	22	H31573S	15	20.6000	7.8060	10	128	a	75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 116680

Instrument Type: ICPMS

Analytical Method(s):6020B/200.8 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AD48425-001

Analyte	BatchId	Data File	Seq#:	MS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	116680	S120224D	26	S120224D	25	5149.2020	5496.1410	6.5		20
Antimony	116680	S120224D	26	S120224D	25	209.8660	218.0790	3.8		20
Arsenic	116680	S120224D	26	S120224D	25	212.3660	221.0370	4		20
Barium	116680	S120224D	26	S120224D	25	241.1900	251.6090	4.2		20
Beryllium	116680	S120224D	26	S120224D	25	226.2740	235.9810	4.2		20
Cadmium	116680	S120224D	26	S120224D	25	236.1890	246.9290	4.4		20
Calcium	116680	S120224D	26	S120224D	25	22640.4250	23648.7570	4.4		20
Chromium	116680	S120224D	26	S120224D	25	238.5440	250.0910	4.7		20
Cobalt	116680	S120224D	26	S120224D	25	219.4390	228.3310	4		20
Copper	116680	S120224D	26	S120224D	25	233.6100	243.8240	4.3		20
Iron	116680	S120224D	26	S120224D	25	11827.7900	13304.0320	12		20
Lead	116680	S120224D	26	S120224D	25	237.3640	245.6090	3.4		20
Magnesium	116680	S120224D	26	S120224D	25	22249.7780	23301.7780	4.6		20
Manganese	116680	S120224D	26	S120224D	25	227.5210	237.8600	4.4		20
Nickel	116680	S120224D	26	S120224D	25	220.8850	237.0090	7		20
Potassium	116680	S120224D	26	S120224D	25	22121.5140	23241.3320	4.9		20
Selenium	116680	S120224D	26	S120224D	25	212.3600	220.5830	3.8		20
Silver	116680	S120224D	26	S120224D	25	43.8630	46.6910	6.2		20
Sodium	116680	S120224D	26	S120224D	25	22257.3910	23333.5250	4.7		20
Thallium	116680	S120224D	26	S120224D	25	227.3030	236.6100	4		20
Vanadium	116680	S120224D	26	S120224D	25	242.8290	255.7340	5.2		20
Zinc	116680	S120224D	26	S120224D	25	230.5650	242.9610	5.2		20

TxtQcType: SD Matrix: SOIL SampleID: AD48425-001

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Aluminum	116680	S120224D	24	S120224D	22	5	246.6500	1207.6860	2.1		20
Antimony	116680	S120224D	24	S120224D	22	5	0.0540	0.3030	11	c	20
Arsenic	116680	S120224D	24	S120224D	22	5	0.9420	4.5550	3.4		20
Barium	116680	S120224D	24	S120224D	22	5	1.0100	4.8340	4.5		20
Beryllium	116680	S120224D	24	S120224D	22	5	0.0250	0.0940	---		20
Cadmium	116680	S120224D	24	S120224D	22	5	0.0030	0.0300	---		20
Calcium	116680	S120224D	24	S120224D	22	5	19.2460	70.8120	36	c	20
Chromium	116680	S120224D	24	S120224D	22	5	2.5290	12.7080	0.5		20
Cobalt	116680	S120224D	24	S120224D	22	5	0.0350	0.1880	6.9		20
Copper	116680	S120224D	24	S120224D	22	5	1.3690	6.6370	3.1		20
Iron	116680	S120224D	24	S120224D	22	5	2181.4050	10700.6820	1.9		20
Lead	116680	S120224D	24	S120224D	22	5	0.9940	4.9030	1.4		20
Magnesium	116680	S120224D	24	S120224D	22	5	9.5780	45.1040	6.2		20
Manganese	116680	S120224D	24	S120224D	22	5	0.8840	3.7860	---		20
Nickel	116680	S120224D	24	S120224D	22	5	0.0920	0.5230	12	c	20
Potassium	116680	S120224D	24	S120224D	22	5	44.3150	113.5790	95	a	20
Selenium	116680	S120224D	24	S120224D	22	5	-0.1920	0.7950	---		20
Silver	116680	S120224D	24	S120224D	22	5	-0.0200	0.0150	---		20
Sodium	116680	S120224D	24	S120224D	22	5	26.5900	57.7000	---		20
Thallium	116680	S120224D	24	S120224D	22	5	0.0140	0.0780	---		20
Vanadium	116680	S120224D	24	S120224D	22	5	2.7090	13.4430	0.76		20
Zinc	116680	S120224D	24	S120224D	22	5	4.0290	9.9740	102	c	20

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 116681

Instrument Type: ICPMS

Analytical Method(s):6020B/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 116681

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	116681	S120324C	21	S120324C	20	7404.7540	7318.8590	1.2		20
Antimony	116681	S120324C	21	S120324C	20	62.7610	61.0100	2.8		20
Arsenic	116681	S120324C	21	S120324C	20	52.3840	51.6270	1.5		20
Barium	116681	S120324C	21	S120324C	20	448.8740	440.5810	1.9		20
Beryllium	116681	S120424C	20	S120424C	19	248.7260	249.6880	.39		20
Cadmium	116681	S120324C	21	S120324C	20	113.3310	111.6670	1.5		20
Calcium	116681	S120324C	21	S120324C	20	9757.3940	9700.3410	.59		20
Chromium	116681	S120324C	21	S120324C	20	248.1870	245.2610	1.2		20
Cobalt	116681	S120324C	21	S120324C	20	134.0640	132.3300	1.3		20
Copper	116681	S120324C	21	S120324C	20	191.9460	187.6230	2.3		20
Iron	116681	S120324C	21	S120324C	20	11376.9300	11137.8780	2.1		20
Lead	116681	S120324C	21	S120324C	20	281.6900	276.8250	1.7		20
Magnesium	116681	S120324C	21	S120324C	20	13147.5900	13076.1820	.54		20
Manganese	116681	S120324C	21	S120324C	20	571.1560	566.8720	.75		20
Nickel	116681	S120324C	21	S120324C	20	142.9900	140.9850	1.4		20
Potassium	116681	S120324C	21	S120324C	20	10122.5900	10095.4510	.27		20
Selenium	116681	S120324C	21	S120324C	20	183.0250	181.5990	.78		20
Silver	116681	S120324C	21	S120324C	20	43.6960	43.1900	1.2		20
Sodium	116681	S120324C	21	S120324C	20	5948.9100	5960.2590	.19		20
Thallium	116681	S120324C	21	S120324C	20	35.6260	35.0060	1.8		20
Vanadium	116681	S120324C	21	S120324C	20	63.4190	62.7550	1.1		20
Zinc	116681	S120324C	21	S120324C	20	562.0150	556.0260	1.1		20

TxtQcType: MR Matrix: SOIL SampleID: AD48435-001

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	116681	S120324C	23	S120324C	22	32847.5510	30767.8230	6.5		20
Antimony	116681	S120324C	23	S120324C	22	6.9760	4.1140	52	b	20
Arsenic	116681	S120324C	23	S120324C	22	64.6690	36.5670	56	a	20
Barium	116681	S120324C	23	S120324C	22	691.7150	662.4160	4.3		20
Beryllium	116681	S120424C	22	S120424C	21	1.9400	1.7200	12		20
Cadmium	116681	S120324C	23	S120324C	22	7.1000	7.4490	4.8		20
Calcium	116681	S120324C	23	S120324C	22	16743.0070	24379.6700	37	a	20
Chromium	116681	S120324C	23	S120324C	22	119.3130	115.6330	3.1		20
Cobalt	116681	S120324C	23	S120324C	22	34.9740	32.2130	8.2		20
Copper	116681	S120324C	23	S120324C	22	695.9380	496.3100	33	a	20
Iron	116681	S120324C	23	S120324C	22	146639.5100	102977.3570	35	a	20
Lead	116681	S120324C	23	S120324C	22	1846.7060	1613.3760	13		20
Magnesium	116681	S120324C	23	S120324C	22	10061.7510	9052.2170	11		20
Manganese	116681	S120324C	23	S120324C	22	1346.8950	1424.6070	5.6		20
Nickel	116681	S120324C	23	S120324C	22	91.0190	75.7660	18		20
Potassium	116681	S120324C	23	S120324C	22	4278.3710	4292.6980	0.33		20
Selenium	116681	S120324C	23	S120324C	22	11.5200	10.6960	7.4		20
Silver	116681	S120324C	23	S120324C	22	2.0860	2.0580	1.4		20
Sodium	116681	S120324C	23	S120324C	22	683.3710	500U	---		20
Thallium	116681	S120324C	23	S120324C	22	1U	1U	---		20
Vanadium	116681	S120324C	23	S120324C	22	135.8610	124.2210	9		20
Zinc	116681	S120324C	23	S120324C	22	2061.9490	2692.3540	27	a	20

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 116681

Instrument Type: ICPMS

Analytical Method(s):6020B/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AD48435-001

Analyte	BatchId	Data File	Seq#:	MS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	116681	S120324C	26	S120324C	25	45361.5390	32780.4900	32	a	20
Antimony	116681	S120324C	26	S120324C	25	97.4440	94.7960	2.8		20
Arsenic	116681	S120324C	26	S120324C	25	236.3310	217.4770	8.3		20
Barium	116681	S120324C	26	S120324C	25	955.6610	892.1390	6.9		20
Beryllium	116681	S120424C	25	S120424C	24	214.2530	213.2010	.49		20
Cadmium	116681	S120324C	26	S120324C	25	221.8850	208.7900	6.1		20
Calcium	116681	S120324C	26	S120324C	25	37123.3170	31668.0360	16		20
Chromium	116681	S120324C	26	S120324C	25	337.4970	292.1250	14		20
Cobalt	116681	S120324C	26	S120324C	25	241.1430	217.5640	10		20
Copper	116681	S120324C	26	S120324C	25	636.9880	596.5910	6.5		20
Iron	116681	S120324C	26	S120324C	25	98853.3120	81647.9380	19		20
Lead	116681	S120324C	26	S120324C	25	2331.6920	1453.1810	46	a	20
Magnesium	116681	S120324C	26	S120324C	25	31934.7340	27024.7730	17		20
Manganese	116681	S120324C	26	S120324C	25	1676.8410	1309.7670	25	a	20
Nickel	116681	S120324C	26	S120324C	25	301.5100	267.4740	12		20
Potassium	116681	S120324C	26	S120324C	25	26917.1890	23513.9990	13		20
Selenium	116681	S120324C	26	S120324C	25	222.4890	203.6810	8.8		20
Silver	116681	S120324C	26	S120324C	25	41.0710	37.9120	8		20
Sodium	116681	S120324C	26	S120324C	25	22028.9980	19798.0230	11		20
Thallium	116681	S120324C	26	S120324C	25	205.7800	198.2790	3.7		20
Vanadium	116681	S120324C	26	S120324C	25	348.4550	305.4080	13		20
Zinc	116681	S120324C	26	S120324C	25	1905.4870	1733.1840	9.5		20

TxtQcType: SD Matrix: SOIL SampleID: AD48435-001

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Aluminum	116681	S120324C	24	S120324C	22	5	6346.5170	30767.8230	3.1		20
Antimony	116681	S120324C	24	S120324C	22	5	0.8640	4.1140	5		20
Arsenic	116681	S120324C	24	S120324C	22	5	7.5750	36.5670	3.6		20
Barium	116681	S120324C	24	S120324C	22	5	143.0330	662.4160	8		20
Beryllium	116681	S120424C	23	S120424C	21	5	0.4090	1.7200	19		20
Cadmium	116681	S120324C	24	S120324C	22	5	1.5560	7.4490	4.4		20
Calcium	116681	S120324C	24	S120324C	22	5	4976.1400	24379.6700	2.1		20
Chromium	116681	S120324C	24	S120324C	22	5	23.4990	115.6330	1.6		20
Cobalt	116681	S120324C	24	S120324C	22	5	6.6440	32.2130	3.1		20
Copper	116681	S120324C	24	S120324C	22	5	102.9180	496.3100	3.7		20
Iron	116681	S120324C	24	S120324C	22	5	21301.2630	102977.3570	3.4		20
Lead	116681	S120324C	24	S120324C	22	5	339.9200	1613.3760	5.3		20
Magnesium	116681	S120324C	24	S120324C	22	5	1841.0790	9052.2170	1.7		20
Manganese	116681	S120324C	24	S120324C	22	5	296.4230	1424.6070	4		20
Nickel	116681	S120324C	24	S120324C	22	5	15.8760	75.7660	4.8		20
Potassium	116681	S120324C	24	S120324C	22	5	896.2280	4292.6980	4.4		20
Selenium	116681	S120324C	24	S120324C	22	5	2.2420	10.6960	4.8		20
Silver	116681	S120324C	24	S120324C	22	5	0.4310	2.0580	4.7		20
Sodium	116681	S120324C	24	S120324C	22	5	120.2630	405.3580	48	c	20
Thallium	116681	S120324C	24	S120324C	22	5	0.1170	0.5480	6.8		20
Vanadium	116681	S120324C	24	S120324C	22	5	25.1020	124.2210	1		20
Zinc	116681	S120324C	24	S120324C	22	5	569.1170	2692.3540	5.7		20

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 116681

Instrument Type: ICP/HG

Analytical Method(s):6010D/200.7/7470A/7471B/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 116681 5D

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Mercury	116681	H31573S	14	H31573S	13	10.9900	12.3700	12		20

TxtQcType: MR Matrix: SOIL SampleID: AD48435-001

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Mercury	116681	H31573S	16	H31573S	15	4.1000	7.8060	62	a	20

TxtQcType: MSD Matrix: SOIL SampleID: AD48435-001

Analyte	BatchId	Data File	Seq#:	MS File	Seq#	Result 1	Result 2	RPD		Limit
Mercury	116681	H31573S	18	H31573S	17	13.7200	21.9800	46	a	20

TxtQcType: SD Matrix: SOIL SampleID: AD48435-001

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Mercury	116681	H31573S	19	H31573S	15	5	1.3590	7.8060	13	c	10

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

HC Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

DUP = Duplicate

LCS = Laboratory Control Spike

MBS = Method Blank Spike

MDL = Method Detection Limit

MR = Matrix Replicate

MS = Matrix Spike

MSD = Matrix Spike Duplicate

NA = Not Applicable

ND = Not Detected

PS = Post Digestion Spike

RL* = Reporting Limit

RT = Retention Time

SD = Serial Dilution

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

A- Indicates that the Tentatively Identified Compound (TIC) is suspected to be an aldol-condensation product. These compounds are by-products of acetone and methylene chloride used in the extraction process.

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

R- Retention Time is out.

Y- Indicates a contaminant found in the blank at less than 10% of the concentration of a contaminant found in the sample.

HC Report of Analysis

Client: LIRO Engineers, Inc. **HC Project #:** 4112730

Project: Queens Botanial Gardens

Sample ID: SB-01-0-2.0' **Collection Date: 11/25/2024**
Lab#: AD48435-001 **Receipt Date: 11/27/2024**
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**86**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.097**	**1.5**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0058	ND
Aldrin	1	mg/kg	0.0058	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0058	ND
delta-BHC	1	mg/kg	0.0058	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0058	ND
Endosulfan II	1	mg/kg	0.0058	ND
Endosulfan Sulfate	1	mg/kg	0.0058	ND
Endrin	1	mg/kg	0.0058	ND
Endrin Aldehyde	1	mg/kg	0.0058	ND
Endrin Ketone	1	mg/kg	0.0058	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0058	ND
Heptachlor Epoxide	1	mg/kg	0.0058	ND
Methoxychlor	1	mg/kg	0.0058	ND
p,p'-DDD	1	mg/kg	0.0029	ND
p,p'-DDE	1	mg/kg	0.0029	ND
p,p'-DDT	1	mg/kg	0.0029	ND
Toxaphene	1	mg/kg	0.029	ND
y-Chlordane	1	mg/kg	0.0058	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.029**	**0.12**
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	**1**	**mg/kg**	**0.029**	**0.12**

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.12	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.12	ND

Sample ID:	**SB-01-0-2.0'**
Lab#:	**AD48435-001**
Matrix:	**Soil**
Collection Date:	**11/25/2024**
Receipt Date:	**11/27/2024**

1,4-Dioxane	3	mg/kg	0.12	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.12	ND
2,4,5-Trichlorophenol	3	mg/kg	0.12	ND
2,4,6-Trichlorophenol	3	mg/kg	0.12	ND
2,4-Dichlorophenol	3	mg/kg	0.12	ND
2,4-Dimethylphenol	3	mg/kg	0.12	ND
2,4-Dinitrophenol	3	mg/kg	0.58	ND
2,4-Dinitrotoluene	3	mg/kg	0.12	ND
2,6-Dinitrotoluene	3	mg/kg	0.12	ND
2-Chloronaphthalene	3	mg/kg	0.12	ND
2-Chlorophenol	3	mg/kg	0.12	ND
2-Methylnaphthalene	3	mg/kg	0.12	ND
2-Methylphenol	3	mg/kg	0.12	ND
2-Nitroaniline	3	mg/kg	0.12	ND
2-Nitrophenol	3	mg/kg	0.12	ND
3&4-Methylphenol	3	mg/kg	0.12	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.12	ND
3-Nitroaniline	3	mg/kg	0.12	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.58	ND
4-Bromophenyl-phenylether	3	mg/kg	0.12	ND
4-Chloro-3-methylphenol	3	mg/kg	0.12	ND
4-Chloroaniline	3	mg/kg	0.12	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.12	ND
4-Nitroaniline	3	mg/kg	0.12	ND
4-Nitrophenol	3	mg/kg	0.12	ND
Acenaphthene	3	mg/kg	0.12	ND
Acenaphthylene	3	mg/kg	0.12	ND
Acetophenone	3	mg/kg	0.12	ND
Anthracene	3	mg/kg	0.12	ND
Atrazine	3	mg/kg	0.12	ND
Benzaldehyde	3	mg/kg	0.12	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.12**	**0.34**
Benzo[a]pyrene	**3**	**mg/kg**	**0.12**	**0.30**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.12**	**0.42**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.12**	**0.23**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.12**	**0.14**
bis(2-Chloroethoxy)methane	3	mg/kg	0.12	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.044	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.12	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.12	ND
Butylbenzylphthalate	3	mg/kg	0.12	ND
Caprolactam	3	mg/kg	0.12	ND
Carbazole	3	mg/kg	0.12	ND
Chrysene	**3**	**mg/kg**	**0.12**	**0.33**
Dibenzo[a,h]anthracene	3	mg/kg	0.12	ND
Dibenzofuran	3	mg/kg	0.12	ND
Diethylphthalate	3	mg/kg	0.12	ND
Dimethylphthalate	3	mg/kg	0.12	ND
Di-n-butylphthalate	3	mg/kg	0.58	ND
Di-n-octylphthalate	3	mg/kg	0.12	ND
Fluoranthene	**3**	**mg/kg**	**0.12**	**0.59**
Fluorene	3	mg/kg	0.12	ND
Hexachlorobenzene	3	mg/kg	0.12	ND
Hexachlorobutadiene	3	mg/kg	0.12	ND
Hexachlorocyclopentadiene	3	mg/kg	0.58	ND
Hexachloroethane	3	mg/kg	0.12	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.12**	**0.23**

Sample ID: SB-01-0-2.0' **Collection Date:** 11/25/2024
Lab#: AD48435-001 **Receipt Date:** 11/27/2024
Matrix: Soil

Isophorone	3	mg/kg	0.12	ND
Naphthalene	3	mg/kg	0.12	ND
Nitrobenzene	3	mg/kg	0.12	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.12	ND
N-Nitrosodiphenylamine	3	mg/kg	0.12	ND
Pentachlorophenol	3	mg/kg	0.58	ND
Phenanthrene	**3**	**mg/kg**	**0.12**	**0.32**
Phenol	3	mg/kg	0.12	ND
Pyrene	**3**	**mg/kg**	**0.12**	**0.52**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**23**	**7200**
Antimony	**1**	**mg/kg**	**0.35**	**0.96**
Arsenic	**1**	**mg/kg**	**0.23**	**8.5**
Barium	**1**	**mg/kg**	**0.58**	**150**
Beryllium	**1**	**mg/kg**	**0.12**	**0.40**
Cadmium	**1**	**mg/kg**	**0.23**	**1.7**
Calcium	**1**	**mg/kg**	**120**	**5700**
Chromium	**1**	**mg/kg**	**0.23**	**27**
Cobalt	**1**	**mg/kg**	**0.23**	**7.5**
Copper	**1**	**mg/kg**	**1.2**	**120**
Iron	**1**	**mg/kg**	**35**	**24000**
Lead	**1**	**mg/kg**	**0.35**	**380**
Magnesium	**1**	**mg/kg**	**120**	**2100**
Manganese	**1**	**mg/kg**	**1.2**	**330**
Nickel	**1**	**mg/kg**	**1.2**	**18**
Potassium	**1**	**mg/kg**	**120**	**1000**
Selenium	**1**	**mg/kg**	**1.2**	**2.5**
Silver	**1**	**mg/kg**	**0.23**	**0.48**
Sodium	1	mg/kg	120	ND
Thallium	1	mg/kg	0.23	ND
Vanadium	**1**	**mg/kg**	**0.23**	**29**
Zinc	**1**	**mg/kg**	**4.7**	**630**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.984	mg/kg	0.0023	ND
1,1,2,2-Tetrachloroethane	0.984	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.984	mg/kg	0.0023	ND
1,1,2-Trichloroethane	0.984	mg/kg	0.0023	ND
1,1-Dichloroethane	0.984	mg/kg	0.0023	ND
1,1-Dichloroethene	0.984	mg/kg	0.0023	ND
1,2,3-Trichlorobenzene	0.984	mg/kg	0.0023	ND
1,2,4-Trichlorobenzene	0.984	mg/kg	0.0023	ND
1,2-Dibromo-3-chloropropane	0.984	mg/kg	0.0023	ND
1,2-Dibromoethane	0.984	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.984	mg/kg	0.0023	ND
1,2-Dichloroethane	0.984	mg/kg	0.0023	ND
1,2-Dichloropropane	0.984	mg/kg	0.0023	ND
1,3-Dichlorobenzene	0.984	mg/kg	0.0023	ND
1,3-Dichloropropene (Total)	0.984	mg/kg	0.0023	ND
1,4-Dichlorobenzene	0.984	mg/kg	0.0023	ND
1,4-Dioxane	0.984	mg/kg	0.11	ND
2-Butanone	0.984	mg/kg	0.0023	ND
2-Hexanone	0.984	mg/kg	0.0023	ND
4-Methyl-2-pentanone	0.984	mg/kg	0.0023	ND

Sample ID: SB-01-0-2.0' **Collection Date:** 11/25/2024
Lab#: AD48435-001 **Receipt Date:** 11/27/2024
Matrix: Soil

Acetone	0.984	mg/kg	0.011	ND
Benzene	0.984	mg/kg	0.0011	ND
Bromochloromethane	0.984	mg/kg	0.0023	ND
Bromodichloromethane	0.984	mg/kg	0.0023	ND
Bromoform	0.984	mg/kg	0.0023	ND
Bromomethane	0.984	mg/kg	0.0023	ND
Carbon disulfide	0.984	mg/kg	0.0057	ND
Carbon tetrachloride	0.984	mg/kg	0.0023	ND
Chlorobenzene	0.984	mg/kg	0.0023	ND
Chloroethane	0.984	mg/kg	0.0023	ND
Chloroform	0.984	mg/kg	0.0023	ND
Chloromethane	0.984	mg/kg	0.0023	ND
cis-1,2-Dichloroethene	0.984	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	0.984	mg/kg	0.0023	ND
Cyclohexane	0.984	mg/kg	0.0023	ND
Dibromochloromethane	0.984	mg/kg	0.0023	ND
Dichlorodifluoromethane	0.984	mg/kg	0.0023	ND
Ethylbenzene	0.984	mg/kg	0.0011	ND
Isopropylbenzene	0.984	mg/kg	0.0011	ND
m&p-Xylenes	0.984	mg/kg	0.0016	ND
Methyl Acetate	0.984	mg/kg	0.0023	ND
Methylcyclohexane	0.984	mg/kg	0.0023	ND
Methylene chloride	0.984	mg/kg	0.0023	ND
Methyl-t-butyl ether	0.984	mg/kg	0.0011	ND
o-Xylene	0.984	mg/kg	0.0011	ND
Styrene	0.984	mg/kg	0.0023	ND
Tetrachloroethene	0.984	mg/kg	0.0023	ND
Toluene	0.984	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.984	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	0.984	mg/kg	0.0023	ND
Trichloroethene	0.984	mg/kg	0.0023	ND
Trichlorofluoromethane	0.984	mg/kg	0.0023	ND
Vinyl chloride	0.984	mg/kg	0.0023	ND
Xylenes (Total)	0.984	mg/kg	0.0011	ND

Sample ID: SB-02-0-2.0' | Collection Date: 11/25/2024
Lab#: AD48435-002 | Receipt Date: 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		87

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.090	0.87

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0057	0.0091
Aldrin	1	mg/kg	0.0057	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane (Total)	1	mg/kg	0.0057	0.0091
delta-BHC	1	mg/kg	0.0057	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0057	ND
Endosulfan II	1	mg/kg	0.0057	ND
Endosulfan Sulfate	1	mg/kg	0.0057	ND
Endrin	1	mg/kg	0.0057	ND
Endrin Aldehyde	1	mg/kg	0.0057	ND
Endrin Ketone	1	mg/kg	0.0057	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0057	ND
Heptachlor Epoxide	1	mg/kg	0.0057	ND
Methoxychlor	1	mg/kg	0.0057	ND
p,p'-DDD	1	mg/kg	0.0029	0.026
p,p'-DDE	1	mg/kg	0.0029	0.033
p,p'-DDT	1	mg/kg	0.0029	0.011d
Toxaphene	1	mg/kg	0.029	ND
y-Chlordane	1	mg/kg	0.0057	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	0.082
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	0.082
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.11	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.11	ND
1,4-Dioxane	3	mg/kg	0.11	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.11	ND
2,4,5-Trichlorophenol	3	mg/kg	0.11	ND
2,4,6-Trichlorophenol	3	mg/kg	0.11	ND
2,4-Dichlorophenol	3	mg/kg	0.11	ND
2,4-Dimethylphenol	3	mg/kg	0.11	ND
2,4-Dinitrophenol	3	mg/kg	0.57	ND

Sample ID:	**SB-02-0-2.0'**
Lab#:	**AD48435-002**
Matrix:	**Soil**
Collection Date:	**11/25/2024**
Receipt Date:	**11/27/2024**

2,4-Dinitrotoluene	3	mg/kg	0.11	ND
2,6-Dinitrotoluene	3	mg/kg	0.11	ND
2-Chloronaphthalene	3	mg/kg	0.11	ND
2-Chlorophenol	3	mg/kg	0.11	ND
2-Methylnaphthalene	3	mg/kg	0.11	ND
2-Methylphenol	3	mg/kg	0.11	ND
2-Nitroaniline	3	mg/kg	0.11	ND
2-Nitrophenol	3	mg/kg	0.11	ND
3&4-Methylphenol	3	mg/kg	0.11	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.11	ND
3-Nitroaniline	3	mg/kg	0.11	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.57	ND
4-Bromophenyl-phenylether	3	mg/kg	0.11	ND
4-Chloro-3-methylphenol	3	mg/kg	0.11	ND
4-Chloroaniline	3	mg/kg	0.11	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.11	ND
4-Nitroaniline	3	mg/kg	0.11	ND
4-Nitrophenol	3	mg/kg	0.11	ND
Acenaphthene	3	mg/kg	0.11	ND
Acenaphthylene	3	mg/kg	0.11	ND
Acetophenone	3	mg/kg	0.11	ND
Anthracene	3	mg/kg	0.11	ND
Atrazine	3	mg/kg	0.11	ND
Benzaldehyde	3	mg/kg	0.11	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.11**	**0.41**
Benzo[a]pyrene	**3**	**mg/kg**	**0.11**	**0.41**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.11**	**0.58**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.11**	**0.33**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.11**	**0.18**
bis(2-Chloroethoxy)methane	3	mg/kg	0.11	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.044	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.11	ND
bis(2-Ethylhexyl)phthalate	**3**	**mg/kg**	**0.11**	**0.21**
Butylbenzylphthalate	3	mg/kg	0.11	ND
Caprolactam	3	mg/kg	0.11	ND
Carbazole	3	mg/kg	0.11	ND
Chrysene	**3**	**mg/kg**	**0.11**	**0.42**
Dibenzo[a,h]anthracene	3	mg/kg	0.11	ND
Dibenzofuran	3	mg/kg	0.11	ND
Diethylphthalate	3	mg/kg	0.11	ND
Dimethylphthalate	3	mg/kg	0.11	ND
Di-n-butylphthalate	3	mg/kg	0.57	ND
Di-n-octylphthalate	3	mg/kg	0.11	ND
Fluoranthene	**3**	**mg/kg**	**0.11**	**0.59**
Fluorene	3	mg/kg	0.11	ND
Hexachlorobenzene	3	mg/kg	0.11	ND
Hexachlorobutadiene	3	mg/kg	0.11	ND
Hexachlorocyclopentadiene	3	mg/kg	0.57	ND
Hexachloroethane	3	mg/kg	0.11	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.11**	**0.34**
Isophorone	3	mg/kg	0.11	ND
Naphthalene	3	mg/kg	0.11	ND
Nitrobenzene	3	mg/kg	0.11	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.11	ND
N-Nitrosodiphenylamine	3	mg/kg	0.11	ND
Pentachlorophenol	3	mg/kg	0.57	ND
Phenanthrene	**3**	**mg/kg**	**0.11**	**0.26**

Sample ID: SB-02-0-2.0' **Collection Date:** 11/25/2024
Lab#: AD48435-002 **Receipt Date:** 11/27/2024
Matrix: Soil

Phenol	3	mg/kg	0.11	ND
Pyrene	**3**	**mg/kg**	**0.11**	**0.59**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**23**	**7200**
Antimony	**1**	**mg/kg**	**0.34**	**0.87**
Arsenic	**1**	**mg/kg**	**0.23**	**8.9**
Barium	**1**	**mg/kg**	**0.57**	**140**
Beryllium	**1**	**mg/kg**	**0.11**	**0.37**
Cadmium	**1**	**mg/kg**	**0.23**	**0.62**
Calcium	**1**	**mg/kg**	**110**	**4500**
Chromium	**1**	**mg/kg**	**0.23**	**20**
Cobalt	**1**	**mg/kg**	**0.23**	**5.7**
Copper	**1**	**mg/kg**	**1.1**	**110**
Iron	**1**	**mg/kg**	**34**	**16000**
Lead	**1**	**mg/kg**	**0.34**	**250**
Magnesium	**1**	**mg/kg**	**110**	**2300**
Manganese	**1**	**mg/kg**	**1.1**	**320**
Nickel	**1**	**mg/kg**	**1.1**	**18**
Potassium	**1**	**mg/kg**	**110**	**940**
Selenium	**1**	**mg/kg**	**1.1**	**2.2**
Silver	**1**	**mg/kg**	**0.23**	**0.31**
Sodium	1	mg/kg	110	ND
Thallium	1	mg/kg	0.23	ND
Vanadium	**1**	**mg/kg**	**0.23**	**26**
Zinc	**1**	**mg/kg**	**4.6**	**270**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.926	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.926	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.926	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.926	mg/kg	0.0021	ND
1,1-Dichloroethane	0.926	mg/kg	0.0021	ND
1,1-Dichloroethene	0.926	mg/kg	0.0021	ND
1,2,3-Trichlorobenzene	0.926	mg/kg	0.0021	ND
1,2,4-Trichlorobenzene	0.926	mg/kg	0.0021	ND
1,2-Dibromo-3-chloropropane	0.926	mg/kg	0.0021	ND
1,2-Dibromoethane	0.926	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.926	mg/kg	0.0021	ND
1,2-Dichloroethane	0.926	mg/kg	0.0021	ND
1,2-Dichloropropane	0.926	mg/kg	0.0021	ND
1,3-Dichlorobenzene	0.926	mg/kg	0.0021	ND
1,3-Dichloropropene (Total)	0.926	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.926	mg/kg	0.0021	ND
1,4-Dioxane	0.926	mg/kg	0.11	ND
2-Butanone	0.926	mg/kg	0.0021	ND
2-Hexanone	0.926	mg/kg	0.0021	ND
4-Methyl-2-pentanone	0.926	mg/kg	0.0021	ND
Acetone	0.926	mg/kg	0.011	ND
Benzene	0.926	mg/kg	0.0011	ND
Bromochloromethane	0.926	mg/kg	0.0021	ND
Bromodichloromethane	0.926	mg/kg	0.0021	ND
Bromoform	0.926	mg/kg	0.0021	ND
Bromomethane	0.926	mg/kg	0.0021	ND
Carbon disulfide	0.926	mg/kg	0.0053	ND

Sample ID:	**SB-02-0-2.0'**
Lab#:	**AD48435-002**
Matrix:	**Soil**
Collection Date:	**11/25/2024**
Receipt Date:	**11/27/2024**

Carbon tetrachloride	0.926	mg/kg	0.0021	ND
Chlorobenzene	0.926	mg/kg	0.0021	ND
Chloroethane	0.926	mg/kg	0.0021	ND
Chloroform	0.926	mg/kg	0.0021	ND
Chloromethane	0.926	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.926	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.926	mg/kg	0.0021	ND
Cyclohexane	0.926	mg/kg	0.0021	ND
Dibromochloromethane	0.926	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.926	mg/kg	0.0021	ND
Ethylbenzene	0.926	mg/kg	0.0011	ND
Isopropylbenzene	0.926	mg/kg	0.0011	ND
m&p-Xylenes	0.926	mg/kg	0.0015	ND
Methyl Acetate	0.926	mg/kg	0.0021	ND
Methylcyclohexane	0.926	mg/kg	0.0021	ND
Methylene chloride	0.926	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.926	mg/kg	0.0011	ND
o-Xylene	0.926	mg/kg	0.0011	ND
Styrene	0.926	mg/kg	0.0021	ND
Tetrachloroethene	0.926	mg/kg	0.0021	ND
Toluene	0.926	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.926	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.926	mg/kg	0.0021	ND
Trichloroethene	0.926	mg/kg	0.0021	ND
Trichlorofluoromethane	0.926	mg/kg	0.0021	ND
Vinyl chloride	0.926	mg/kg	0.0021	ND
Xylenes (Total)	0.926	mg/kg	0.0011	ND

Sample ID: SB-02-0-2.0' DUP
Lab#: AD48435-003
Matrix: Soil
Collection Date: 11/25/2024
Receipt Date: 11/27/2024

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		90

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.093	0.93

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0056	0.0056d
Aldrin	1	mg/kg	0.0056	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane (Total)	1	mg/kg	0.0056	0.0056
delta-BHC	1	mg/kg	0.0056	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0056	ND
Endosulfan II	1	mg/kg	0.0056	ND
Endosulfan Sulfate	1	mg/kg	0.0056	ND
Endrin	1	mg/kg	0.0056	ND
Endrin Aldehyde	1	mg/kg	0.0056	ND
Endrin Ketone	1	mg/kg	0.0056	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0056	ND
Heptachlor Epoxide	1	mg/kg	0.0056	ND
Methoxychlor	1	mg/kg	0.0056	ND
p,p'-DDD	1	mg/kg	0.0028	0.021
p,p'-DDE	1	mg/kg	0.0028	0.027
p,p'-DDT	1	mg/kg	0.0028	0.0095d
Toxaphene	1	mg/kg	0.028	ND
y-Chlordane	1	mg/kg	0.0056	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.028	0.074
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	0.074
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.037	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.037	ND
1,4-Dioxane	1	mg/kg	0.037	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.037	ND
2,4,5-Trichlorophenol	1	mg/kg	0.037	ND
2,4,6-Trichlorophenol	1	mg/kg	0.037	ND
2,4-Dichlorophenol	1	mg/kg	0.037	ND
2,4-Dimethylphenol	1	mg/kg	0.037	ND
2,4-Dinitrophenol	1	mg/kg	0.19	ND

Sample ID: SB-02-0-2.0' DUP | **Collection Date:** 11/25/2024
Lab#: AD48435-003 | **Receipt Date:** 11/27/2024
Matrix: Soil

2,4-Dinitrotoluene	1	mg/kg	0.037	ND
2,6-Dinitrotoluene	1	mg/kg	0.037	ND
2-Chloronaphthalene	1	mg/kg	0.037	ND
2-Chlorophenol	1	mg/kg	0.037	ND
2-Methylnaphthalene	1	mg/kg	0.037	ND
2-Methylphenol	1	mg/kg	0.037	ND
2-Nitroaniline	1	mg/kg	0.037	ND
2-Nitrophenol	1	mg/kg	0.037	ND
3&4-Methylphenol	1	mg/kg	0.037	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.037	ND
3-Nitroaniline	1	mg/kg	0.037	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.19	ND
4-Bromophenyl-phenylether	1	mg/kg	0.037	ND
4-Chloro-3-methylphenol	1	mg/kg	0.037	ND
4-Chloroaniline	1	mg/kg	0.037	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.037	ND
4-Nitroaniline	1	mg/kg	0.037	ND
4-Nitrophenol	1	mg/kg	0.037	ND
Acenaphthene	1	mg/kg	0.037	ND
Acenaphthylene	1	mg/kg	0.037	ND
Acetophenone	1	mg/kg	0.037	ND
Anthracene	1	mg/kg	0.037	ND
Atrazine	1	mg/kg	0.037	ND
Benzaldehyde	1	mg/kg	0.037	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.037**	**0.15**
Benzo[a]pyrene	**1**	**mg/kg**	**0.037**	**0.16**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.037**	**0.22**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.037**	**0.13**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.037**	**0.068**
bis(2-Chloroethoxy)methane	1	mg/kg	0.037	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.014	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.037	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.037	ND
Butylbenzylphthalate	1	mg/kg	0.037	ND
Caprolactam	1	mg/kg	0.037	ND
Carbazole	1	mg/kg	0.037	ND
Chrysene	**1**	**mg/kg**	**0.037**	**0.16**
Dibenzo[a,h]anthracene	1	mg/kg	0.037	ND
Dibenzofuran	1	mg/kg	0.037	ND
Diethylphthalate	1	mg/kg	0.037	ND
Dimethylphthalate	1	mg/kg	0.037	ND
Di-n-butylphthalate	1	mg/kg	0.19	ND
Di-n-octylphthalate	1	mg/kg	0.037	ND
Fluoranthene	**1**	**mg/kg**	**0.037**	**0.23**
Fluorene	1	mg/kg	0.037	ND
Hexachlorobenzene	1	mg/kg	0.037	ND
Hexachlorobutadiene	1	mg/kg	0.037	ND
Hexachlorocyclopentadiene	1	mg/kg	0.19	ND
Hexachloroethane	1	mg/kg	0.037	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.037**	**0.14**
Isophorone	1	mg/kg	0.037	ND
Naphthalene	1	mg/kg	0.037	ND
Nitrobenzene	1	mg/kg	0.037	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.037	ND
N-Nitrosodiphenylamine	1	mg/kg	0.037	ND
Pentachlorophenol	1	mg/kg	0.19	ND
Phenanthrene	**1**	**mg/kg**	**0.037**	**0.11**

Sample ID:	**SB-02-0-2.0' DUP**	**Collection Date:**	**11/25/2024**
Lab#:	**AD48435-003**	**Receipt Date:**	**11/27/2024**
Matrix:	**Soil**		

Phenol	1	mg/kg	0.037	ND
Pyrene	**1**	**mg/kg**	**0.037**	**0.24**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**23**	**7800**
Antimony	**1**	**mg/kg**	**0.34**	**1.0**
Arsenic	**1**	**mg/kg**	**0.23**	**9.2**
Barium	**1**	**mg/kg**	**0.57**	**160**
Beryllium	**1**	**mg/kg**	**0.11**	**0.42**
Cadmium	**1**	**mg/kg**	**0.23**	**0.68**
Calcium	**1**	**mg/kg**	**110**	**5000**
Chromium	**1**	**mg/kg**	**0.23**	**22**
Cobalt	**1**	**mg/kg**	**0.23**	**5.9**
Copper	**1**	**mg/kg**	**1.1**	**120**
Iron	**1**	**mg/kg**	**34**	**18000**
Lead	**1**	**mg/kg**	**0.34**	**270**
Magnesium	**1**	**mg/kg**	**110**	**2300**
Manganese	**1**	**mg/kg**	**1.1**	**380**
Nickel	**1**	**mg/kg**	**1.1**	**20**
Potassium	**1**	**mg/kg**	**110**	**1000**
Selenium	**1**	**mg/kg**	**1.1**	**2.4**
Silver	**1**	**mg/kg**	**0.23**	**0.35**
Sodium	1	mg/kg	110	ND
Thallium	1	mg/kg	0.23	ND
Vanadium	**1**	**mg/kg**	**0.23**	**28**
Zinc	**1**	**mg/kg**	**4.5**	**280**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.924	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.924	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.924	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.924	mg/kg	0.0021	ND
1,1-Dichloroethane	0.924	mg/kg	0.0021	ND
1,1-Dichloroethene	0.924	mg/kg	0.0021	ND
1,2,3-Trichlorobenzene	0.924	mg/kg	0.0021	ND
1,2,4-Trichlorobenzene	0.924	mg/kg	0.0021	ND
1,2-Dibromo-3-chloropropane	0.924	mg/kg	0.0021	ND
1,2-Dibromoethane	0.924	mg/kg	0.0010	ND
1,2-Dichlorobenzene	0.924	mg/kg	0.0021	ND
1,2-Dichloroethane	0.924	mg/kg	0.0021	ND
1,2-Dichloropropane	0.924	mg/kg	0.0021	ND
1,3-Dichlorobenzene	0.924	mg/kg	0.0021	ND
1,3-Dichloropropene (Total)	0.924	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.924	mg/kg	0.0021	ND
1,4-Dioxane	0.924	mg/kg	0.10	ND
2-Butanone	0.924	mg/kg	0.0021	ND
2-Hexanone	0.924	mg/kg	0.0021	ND
4-Methyl-2-pentanone	0.924	mg/kg	0.0021	ND
Acetone	0.924	mg/kg	0.010	ND
Benzene	0.924	mg/kg	0.0010	ND
Bromochloromethane	0.924	mg/kg	0.0021	ND
Bromodichloromethane	0.924	mg/kg	0.0021	ND
Bromoform	0.924	mg/kg	0.0021	ND
Bromomethane	0.924	mg/kg	0.0021	ND
Carbon disulfide	0.924	mg/kg	0.0051	ND

Sample ID: SB-02-0-2.0' DUP | **Collection Date:** 11/25/2024
Lab#: AD48435-003 | **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.924	mg/kg	0.0021	ND
Chlorobenzene	0.924	mg/kg	0.0021	ND
Chloroethane	0.924	mg/kg	0.0021	ND
Chloroform	0.924	mg/kg	0.0021	ND
Chloromethane	0.924	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.924	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.924	mg/kg	0.0021	ND
Cyclohexane	0.924	mg/kg	0.0021	ND
Dibromochloromethane	0.924	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.924	mg/kg	0.0021	ND
Ethylbenzene	0.924	mg/kg	0.0010	ND
Isopropylbenzene	0.924	mg/kg	0.0010	ND
m&p-Xylenes	0.924	mg/kg	0.0014	ND
Methyl Acetate	0.924	mg/kg	0.0021	ND
Methylcyclohexane	0.924	mg/kg	0.0021	ND
Methylene chloride	0.924	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.924	mg/kg	0.0010	ND
o-Xylene	0.924	mg/kg	0.0010	ND
Styrene	0.924	mg/kg	0.0021	ND
Tetrachloroethene	0.924	mg/kg	0.0021	ND
Toluene	0.924	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.924	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.924	mg/kg	0.0021	ND
Trichloroethene	0.924	mg/kg	0.0021	ND
Trichlorofluoromethane	0.924	mg/kg	0.0021	ND
Vinyl chloride	0.924	mg/kg	0.0021	ND
Xylenes (Total)	0.924	mg/kg	0.0010	ND

Sample ID: SB-03-0-2.0' | **Collection Date:** 11/25/2024
Lab#: AD48435-004 | **Receipt Date:** 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		89

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.094**	**0.48**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0056	ND
Aldrin	1	mg/kg	0.0056	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane (Total)	1	mg/kg	0.0056	ND
delta-BHC	1	mg/kg	0.0056	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0056	ND
Endosulfan II	1	mg/kg	0.0056	ND
Endosulfan Sulfate	1	mg/kg	0.0056	ND
Endrin	1	mg/kg	0.0056	ND
Endrin Aldehyde	1	mg/kg	0.0056	ND
Endrin Ketone	1	mg/kg	0.0056	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0056	ND
Heptachlor Epoxide	1	mg/kg	0.0056	ND
Methoxychlor	1	mg/kg	0.0056	ND
p,p'-DDD	1	mg/kg	0.0028	ND
p,p'-DDE	**1**	**mg/kg**	**0.0028**	**0.012**
p,p'-DDT	1	mg/kg	0.0028	ND
Toxaphene	1	mg/kg	0.028	ND
y-Chlordane	1	mg/kg	0.0056	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.028**	**0.086**
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	**1**	**mg/kg**	**0.028**	**0.086**
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.037	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.037	ND
1,4-Dioxane	1	mg/kg	0.037	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.037	ND
2,4,5-Trichlorophenol	1	mg/kg	0.037	ND
2,4,6-Trichlorophenol	1	mg/kg	0.037	ND
2,4-Dichlorophenol	1	mg/kg	0.037	ND
2,4-Dimethylphenol	1	mg/kg	0.037	ND
2,4-Dinitrophenol	1	mg/kg	0.19	ND

Sample ID: SB-03-0-2.0'			Collection Date: 11/25/2024	
Lab#: AD48435-004			Receipt Date: 11/27/2024	
Matrix: Soil				

2,4-Dinitrotoluene	1	mg/kg	0.037	ND
2,6-Dinitrotoluene	1	mg/kg	0.037	ND
2-Chloronaphthalene	1	mg/kg	0.037	ND
2-Chlorophenol	1	mg/kg	0.037	ND
2-Methylnaphthalene	1	mg/kg	0.037	ND
2-Methylphenol	1	mg/kg	0.037	ND
2-Nitroaniline	1	mg/kg	0.037	ND
2-Nitrophenol	1	mg/kg	0.037	ND
3&4-Methylphenol	1	mg/kg	0.037	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.037	ND
3-Nitroaniline	1	mg/kg	0.037	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.19	ND
4-Bromophenyl-phenylether	1	mg/kg	0.037	ND
4-Chloro-3-methylphenol	1	mg/kg	0.037	ND
4-Chloroaniline	1	mg/kg	0.037	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.037	ND
4-Nitroaniline	1	mg/kg	0.037	ND
4-Nitrophenol	1	mg/kg	0.037	ND
Acenaphthene	1	mg/kg	0.037	ND
Acenaphthylene	1	mg/kg	0.037	ND
Acetophenone	1	mg/kg	0.037	ND
Anthracene	**1**	**mg/kg**	**0.037**	**0.050**
Atrazine	1	mg/kg	0.037	ND
Benzaldehyde	1	mg/kg	0.037	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.037**	**0.26**
Benzo[a]pyrene	**1**	**mg/kg**	**0.037**	**0.28**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.037**	**0.40**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.037**	**0.23**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.037**	**0.12**
bis(2-Chloroethoxy)methane	1	mg/kg	0.037	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.014	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.037	ND
bis(2-Ethylhexyl)phthalate	**1**	**mg/kg**	**0.037**	**0.048**
Butylbenzylphthalate	1	mg/kg	0.037	ND
Caprolactam	1	mg/kg	0.037	ND
Carbazole	1	mg/kg	0.037	ND
Chrysene	**1**	**mg/kg**	**0.037**	**0.29**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.037**	**0.057**
Dibenzofuran	1	mg/kg	0.037	ND
Diethylphthalate	1	mg/kg	0.037	ND
Dimethylphthalate	1	mg/kg	0.037	ND
Di-n-butylphthalate	1	mg/kg	0.19	ND
Di-n-octylphthalate	1	mg/kg	0.037	ND
Fluoranthene	**1**	**mg/kg**	**0.037**	**0.38**
Fluorene	1	mg/kg	0.037	ND
Hexachlorobenzene	1	mg/kg	0.037	ND
Hexachlorobutadiene	1	mg/kg	0.037	ND
Hexachlorocyclopentadiene	1	mg/kg	0.19	ND
Hexachloroethane	1	mg/kg	0.037	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.037**	**0.24**
Isophorone	1	mg/kg	0.037	ND
Naphthalene	1	mg/kg	0.037	ND
Nitrobenzene	1	mg/kg	0.037	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.037	ND
N-Nitrosodiphenylamine	1	mg/kg	0.037	ND
Pentachlorophenol	1	mg/kg	0.19	ND
Phenanthrene	**1**	**mg/kg**	**0.037**	**0.17**

Sample ID: SB-03-0-2.0' **Collection Date:** 11/25/2024
Lab#: AD48435-004 **Receipt Date:** 11/27/2024
Matrix: Soil

Phenol	1	mg/kg	0.037	ND
Pyrene	**1**	**mg/kg**	**0.037**	**0.37**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**22**	**7500**
Antimony	**1**	**mg/kg**	**0.34**	**0.65**
Arsenic	**1**	**mg/kg**	**0.22**	**6.6**
Barium	**1**	**mg/kg**	**0.56**	**120**
Beryllium	**1**	**mg/kg**	**0.11**	**0.38**
Cadmium	**1**	**mg/kg**	**0.22**	**0.43**
Calcium	**1**	**mg/kg**	**110**	**2900**
Chromium	**1**	**mg/kg**	**0.22**	**20**
Cobalt	**1**	**mg/kg**	**0.22**	**6.3**
Copper	**1**	**mg/kg**	**1.1**	**81**
Iron	**1**	**mg/kg**	**34**	**19000**
Lead	**1**	**mg/kg**	**0.34**	**200**
Magnesium	**1**	**mg/kg**	**110**	**2000**
Manganese	**1**	**mg/kg**	**1.1**	**320**
Nickel	**1**	**mg/kg**	**1.1**	**16**
Potassium	**1**	**mg/kg**	**110**	**880**
Selenium	**1**	**mg/kg**	**1.1**	**2.2**
Silver	**1**	**mg/kg**	**0.22**	**0.38**
Sodium	1	mg/kg	110	ND
Thallium	1	mg/kg	0.22	ND
Vanadium	**1**	**mg/kg**	**0.22**	**24**
Zinc	**1**	**mg/kg**	**4.5**	**240**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.871	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.871	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.871	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.871	mg/kg	0.0020	ND
1,1-Dichloroethane	0.871	mg/kg	0.0020	ND
1,1-Dichloroethene	0.871	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	0.871	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.871	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.871	mg/kg	0.0020	ND
1,2-Dibromoethane	0.871	mg/kg	0.00098	ND
1,2-Dichlorobenzene	0.871	mg/kg	0.0020	ND
1,2-Dichloroethane	0.871	mg/kg	0.0020	ND
1,2-Dichloropropane	0.871	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.871	mg/kg	0.0020	ND
1,3-Dichloropropene (Total)	0.871	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.871	mg/kg	0.0020	ND
1,4-Dioxane	0.871	mg/kg	0.098	ND
2-Butanone	0.871	mg/kg	0.0020	ND
2-Hexanone	0.871	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.871	mg/kg	0.0020	ND
Acetone	0.871	mg/kg	0.0098	ND
Benzene	0.871	mg/kg	0.00098	ND
Bromochloromethane	0.871	mg/kg	0.0020	ND
Bromodichloromethane	0.871	mg/kg	0.0020	ND
Bromoform	0.871	mg/kg	0.0020	ND
Bromomethane	0.871	mg/kg	0.0020	ND
Carbon disulfide	0.871	mg/kg	0.0049	ND

Sample ID: SB-03-0-2.0' **Collection Date:** 11/25/2024
Lab#: AD48435-004 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.871	mg/kg	0.0020	ND
Chlorobenzene	0.871	mg/kg	0.0020	ND
Chloroethane	0.871	mg/kg	0.0020	ND
Chloroform	0.871	mg/kg	0.0020	ND
Chloromethane	0.871	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.871	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.871	mg/kg	0.0020	ND
Cyclohexane	0.871	mg/kg	0.0020	ND
Dibromochloromethane	0.871	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.871	mg/kg	0.0020	ND
Ethylbenzene	0.871	mg/kg	0.00098	ND
Isopropylbenzene	0.871	mg/kg	0.00098	ND
m&p-Xylenes	0.871	mg/kg	0.0014	ND
Methyl Acetate	0.871	mg/kg	0.0020	ND
Methylcyclohexane	0.871	mg/kg	0.0020	ND
Methylene chloride	0.871	mg/kg	0.0020	ND
Methyl-t-butyl ether	0.871	mg/kg	0.00098	ND
o-Xylene	0.871	mg/kg	0.00098	ND
Styrene	0.871	mg/kg	0.0020	ND
Tetrachloroethene	0.871	mg/kg	0.0020	ND
Toluene	0.871	mg/kg	0.00098	ND
trans-1,2-Dichloroethene	0.871	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.871	mg/kg	0.0020	ND
Trichloroethene	0.871	mg/kg	0.0020	ND
Trichlorofluoromethane	0.871	mg/kg	0.0020	ND
Vinyl chloride	0.871	mg/kg	0.0020	ND
Xylenes (Total)	0.871	mg/kg	0.00098	ND

Sample ID: SB-04-0-2.0' | Collection Date: 11/25/2024
Lab#: AD48435-005 | Receipt Date: 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**71**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.12**	**0.76**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0070	ND
Aldrin	1	mg/kg	0.0070	ND
Alpha-BHC	1	mg/kg	0.0014	ND
beta-BHC	1	mg/kg	0.0014	ND
Chlordane (Total)	1	mg/kg	0.0070	ND
delta-BHC	1	mg/kg	0.0070	ND
Dieldrin	1	mg/kg	0.0014	ND
Endosulfan I	1	mg/kg	0.0070	ND
Endosulfan II	1	mg/kg	0.0070	ND
Endosulfan Sulfate	1	mg/kg	0.0070	ND
Endrin	1	mg/kg	0.0070	ND
Endrin Aldehyde	1	mg/kg	0.0070	ND
Endrin Ketone	1	mg/kg	0.0070	ND
gamma-BHC	1	mg/kg	0.0014	ND
Heptachlor	1	mg/kg	0.0070	ND
Heptachlor Epoxide	1	mg/kg	0.0070	ND
Methoxychlor	1	mg/kg	0.0070	ND
p,p'-DDD	1	mg/kg	0.0035	ND
p,p'-DDE	1	mg/kg	0.0035	ND
p,p'-DDT	1	mg/kg	0.0035	ND
Toxaphene	1	mg/kg	0.035	ND
y-Chlordane	1	mg/kg	0.0070	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.035**	**0.11**
Aroclor-1016	1	mg/kg	0.035	ND
Aroclor-1221	1	mg/kg	0.035	ND
Aroclor-1232	1	mg/kg	0.035	ND
Aroclor-1242	1	mg/kg	0.035	ND
Aroclor-1248	1	mg/kg	0.035	ND
Aroclor-1254	1	mg/kg	0.035	ND
Aroclor-1260	**1**	**mg/kg**	**0.035**	**0.11**
Aroclor-1262	1	mg/kg	0.035	ND
Aroclor-1268	1	mg/kg	0.035	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.047	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.047	ND
1,4-Dioxane	1	mg/kg	0.047	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.047	ND
2,4,5-Trichlorophenol	1	mg/kg	0.047	ND
2,4,6-Trichlorophenol	1	mg/kg	0.047	ND
2,4-Dichlorophenol	1	mg/kg	0.047	ND
2,4-Dimethylphenol	1	mg/kg	0.047	ND
2,4-Dinitrophenol	1	mg/kg	0.23	ND

Sample ID:	**SB-04-0-2.0'**
Lab#:	**AD48435-005**
Matrix:	**Soil**
Collection Date:	**11/25/2024**
Receipt Date:	**11/27/2024**

2,4-Dinitrotoluene	1	mg/kg	0.047	ND
2,6-Dinitrotoluene	1	mg/kg	0.047	ND
2-Chloronaphthalene	1	mg/kg	0.047	ND
2-Chlorophenol	1	mg/kg	0.047	ND
2-Methylnaphthalene	1	mg/kg	0.047	ND
2-Methylphenol	1	mg/kg	0.047	ND
2-Nitroaniline	1	mg/kg	0.047	ND
2-Nitrophenol	1	mg/kg	0.047	ND
3&4-Methylphenol	1	mg/kg	0.047	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.047	ND
3-Nitroaniline	1	mg/kg	0.047	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.23	ND
4-Bromophenyl-phenylether	1	mg/kg	0.047	ND
4-Chloro-3-methylphenol	1	mg/kg	0.047	ND
4-Chloroaniline	1	mg/kg	0.047	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.047	ND
4-Nitroaniline	1	mg/kg	0.047	ND
4-Nitrophenol	1	mg/kg	0.047	ND
Acenaphthene	1	mg/kg	0.047	ND
Acenaphthylene	1	mg/kg	0.047	ND
Acetophenone	1	mg/kg	0.047	ND
Anthracene	1	mg/kg	0.047	ND
Atrazine	1	mg/kg	0.047	ND
Benzaldehyde	1	mg/kg	0.047	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.047**	**0.16**
Benzo[a]pyrene	**1**	**mg/kg**	**0.047**	**0.18**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.047**	**0.24**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.047**	**0.14**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.047**	**0.077**
bis(2-Chloroethoxy)methane	1	mg/kg	0.047	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.018	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.047	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.047	ND
Butylbenzylphthalate	1	mg/kg	0.047	ND
Caprolactam	1	mg/kg	0.047	ND
Carbazole	1	mg/kg	0.047	ND
Chrysene	**1**	**mg/kg**	**0.047**	**0.17**
Dibenzo[a,h]anthracene	1	mg/kg	0.047	ND
Dibenzofuran	1	mg/kg	0.047	ND
Diethylphthalate	1	mg/kg	0.047	ND
Dimethylphthalate	1	mg/kg	0.047	ND
Di-n-butylphthalate	1	mg/kg	0.23	ND
Di-n-octylphthalate	1	mg/kg	0.047	ND
Fluoranthene	**1**	**mg/kg**	**0.047**	**0.26**
Fluorene	1	mg/kg	0.047	ND
Hexachlorobenzene	1	mg/kg	0.047	ND
Hexachlorobutadiene	1	mg/kg	0.047	ND
Hexachlorocyclopentadiene	1	mg/kg	0.23	ND
Hexachloroethane	1	mg/kg	0.047	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.047**	**0.15**
Isophorone	1	mg/kg	0.047	ND
Naphthalene	1	mg/kg	0.047	ND
Nitrobenzene	1	mg/kg	0.047	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.047	ND
N-Nitrosodiphenylamine	1	mg/kg	0.047	ND
Pentachlorophenol	1	mg/kg	0.23	ND
Phenanthrene	**1**	**mg/kg**	**0.047**	**0.11**

Sample ID:	**SB-04-0-2.0'**	**Collection Date:**	**11/25/2024**
Lab#:	**AD48435-005**	**Receipt Date:**	**11/27/2024**
Matrix:	**Soil**		

Phenol	1	mg/kg	0.047	ND
Pyrene	**1**	**mg/kg**	**0.047**	**0.24**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**28**	**8200**
Antimony	**1**	**mg/kg**	**0.42**	**1.1**
Arsenic	**1**	**mg/kg**	**0.28**	**9.4**
Barium	**1**	**mg/kg**	**0.70**	**200**
Beryllium	**1**	**mg/kg**	**0.14**	**0.52**
Cadmium	**1**	**mg/kg**	**0.28**	**0.81**
Calcium	**1**	**mg/kg**	**140**	**3700**
Chromium	**1**	**mg/kg**	**0.28**	**23**
Cobalt	**1**	**mg/kg**	**0.28**	**7.6**
Copper	**1**	**mg/kg**	**1.4**	**170**
Iron	**1**	**mg/kg**	**42**	**24000**
Lead	**1**	**mg/kg**	**0.42**	**300**
Magnesium	**1**	**mg/kg**	**140**	**2600**
Manganese	**1**	**mg/kg**	**1.4**	**370**
Nickel	**1**	**mg/kg**	**1.4**	**21**
Potassium	**1**	**mg/kg**	**140**	**1200**
Selenium	**1**	**mg/kg**	**1.4**	**2.8**
Silver	**1**	**mg/kg**	**0.28**	**0.56**
Sodium	1	mg/kg	140	ND
Thallium	1	mg/kg	0.28	ND
Vanadium	**1**	**mg/kg**	**0.28**	**32**
Zinc	**1**	**mg/kg**	**5.6**	**350**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.903	mg/kg	0.0025	ND
1,1,2,2-Tetrachloroethane	0.903	mg/kg	0.0025	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.903	mg/kg	0.0025	ND
1,1,2-Trichloroethane	0.903	mg/kg	0.0025	ND
1,1-Dichloroethane	0.903	mg/kg	0.0025	ND
1,1-Dichloroethene	0.903	mg/kg	0.0025	ND
1,2,3-Trichlorobenzene	0.903	mg/kg	0.0025	ND
1,2,4-Trichlorobenzene	0.903	mg/kg	0.0025	ND
1,2-Dibromo-3-chloropropane	0.903	mg/kg	0.0025	ND
1,2-Dibromoethane	0.903	mg/kg	0.0013	ND
1,2-Dichlorobenzene	0.903	mg/kg	0.0025	ND
1,2-Dichloroethane	0.903	mg/kg	0.0025	ND
1,2-Dichloropropane	0.903	mg/kg	0.0025	ND
1,3-Dichlorobenzene	0.903	mg/kg	0.0025	ND
1,3-Dichloropropene (Total)	0.903	mg/kg	0.0025	ND
1,4-Dichlorobenzene	0.903	mg/kg	0.0025	ND
1,4-Dioxane	0.903	mg/kg	0.13	ND
2-Butanone	0.903	mg/kg	0.0025	ND
2-Hexanone	0.903	mg/kg	0.0025	ND
4-Methyl-2-pentanone	0.903	mg/kg	0.0025	ND
Acetone	0.903	mg/kg	0.013	ND
Benzene	0.903	mg/kg	0.0013	ND
Bromochloromethane	0.903	mg/kg	0.0025	ND
Bromodichloromethane	0.903	mg/kg	0.0025	ND
Bromoform	0.903	mg/kg	0.0025	ND
Bromomethane	0.903	mg/kg	0.0025	ND
Carbon disulfide	0.903	mg/kg	0.0064	ND

Sample ID: SB-04-0-2.0' **Collection Date:** 11/25/2024
Lab#: AD48435-005 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.903	mg/kg	0.0025	ND
Chlorobenzene	0.903	mg/kg	0.0025	ND
Chloroethane	0.903	mg/kg	0.0025	ND
Chloroform	0.903	mg/kg	0.0025	ND
Chloromethane	0.903	mg/kg	0.0025	ND
cis-1,2-Dichloroethene	0.903	mg/kg	0.0025	ND
cis-1,3-Dichloropropene	0.903	mg/kg	0.0025	ND
Cyclohexane	0.903	mg/kg	0.0025	ND
Dibromochloromethane	0.903	mg/kg	0.0025	ND
Dichlorodifluoromethane	0.903	mg/kg	0.0025	ND
Ethylbenzene	0.903	mg/kg	0.0013	ND
Isopropylbenzene	0.903	mg/kg	0.0013	ND
m&p-Xylenes	0.903	mg/kg	0.0018	ND
Methyl Acetate	0.903	mg/kg	0.0025	ND
Methylcyclohexane	0.903	mg/kg	0.0025	ND
Methylene chloride	0.903	mg/kg	0.0025	ND
Methyl-t-butyl ether	0.903	mg/kg	0.0013	ND
o-Xylene	0.903	mg/kg	0.0013	ND
Styrene	0.903	mg/kg	0.0025	ND
Tetrachloroethene	0.903	mg/kg	0.0025	ND
Toluene	0.903	mg/kg	0.0013	ND
trans-1,2-Dichloroethene	0.903	mg/kg	0.0025	ND
trans-1,3-Dichloropropene	0.903	mg/kg	0.0025	ND
Trichloroethene	0.903	mg/kg	0.0025	ND
Trichlorofluoromethane	0.903	mg/kg	0.0025	ND
Vinyl chloride	0.903	mg/kg	0.0025	ND
Xylenes (Total)	0.903	mg/kg	0.0013	ND

Sample ID: SB-01-5.5-6.0' **Collection Date:** 11/25/2024
Lab#: AD48435-006 **Receipt Date:** 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**83**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.10**	**0.72**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0060	ND
Aldrin	1	mg/kg	0.0060	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0060	ND
delta-BHC	1	mg/kg	0.0060	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0060	ND
Endosulfan II	1	mg/kg	0.0060	ND
Endosulfan Sulfate	1	mg/kg	0.0060	ND
Endrin	1	mg/kg	0.0060	ND
Endrin Aldehyde	1	mg/kg	0.0060	ND
Endrin Ketone	1	mg/kg	0.0060	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0060	ND
Heptachlor Epoxide	1	mg/kg	0.0060	ND
Methoxychlor	1	mg/kg	0.0060	ND
p,p'-DDD	**1**	**mg/kg**	**0.0030**	**0.0095**
p,p'-DDE	1	mg/kg	0.0030	ND
p,p'-DDT	**1**	**mg/kg**	**0.0030**	**0.0031d**
Toxaphene	1	mg/kg	0.030	ND
y-Chlordane	1	mg/kg	0.0060	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.030**	**0.60**
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	**1**	**mg/kg**	**0.030**	**0.60**

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.12	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.12	ND
1,4-Dioxane	3	mg/kg	0.12	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.12	ND
2,4,5-Trichlorophenol	3	mg/kg	0.12	ND
2,4,6-Trichlorophenol	3	mg/kg	0.12	ND
2,4-Dichlorophenol	3	mg/kg	0.12	ND
2,4-Dimethylphenol	3	mg/kg	0.12	ND
2,4-Dinitrophenol	3	mg/kg	0.60	ND

Sample ID:	**SB-01-5.5-6.0'**
Lab#:	**AD48435-006**
Matrix:	**Soil**
Collection Date:	**11/25/2024**
Receipt Date:	**11/27/2024**

2,4-Dinitrotoluene	3	mg/kg	0.12	ND
2,6-Dinitrotoluene	3	mg/kg	0.12	ND
2-Chloronaphthalene	3	mg/kg	0.12	ND
2-Chlorophenol	3	mg/kg	0.12	ND
2-Methylnaphthalene	3	mg/kg	0.12	ND
2-Methylphenol	3	mg/kg	0.12	ND
2-Nitroaniline	3	mg/kg	0.12	ND
2-Nitrophenol	3	mg/kg	0.12	ND
3&4-Methylphenol	3	mg/kg	0.12	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.12	ND
3-Nitroaniline	3	mg/kg	0.12	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.60	ND
4-Bromophenyl-phenylether	3	mg/kg	0.12	ND
4-Chloro-3-methylphenol	3	mg/kg	0.12	ND
4-Chloroaniline	3	mg/kg	0.12	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.12	ND
4-Nitroaniline	3	mg/kg	0.12	ND
4-Nitrophenol	3	mg/kg	0.12	ND
Acenaphthene	3	mg/kg	0.12	ND
Acenaphthylene	3	mg/kg	0.12	ND
Acetophenone	3	mg/kg	0.12	ND
Anthracene	3	mg/kg	0.12	ND
Atrazine	3	mg/kg	0.12	ND
Benzaldehyde	3	mg/kg	0.12	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.12**	**0.35**
Benzo[a]pyrene	**3**	**mg/kg**	**0.12**	**0.34**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.12**	**0.47**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.12**	**0.27**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.12**	**0.16**
bis(2-Chloroethoxy)methane	3	mg/kg	0.12	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.046	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.12	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.12	ND
Butylbenzylphthalate	3	mg/kg	0.12	ND
Caprolactam	3	mg/kg	0.12	ND
Carbazole	3	mg/kg	0.12	ND
Chrysene	**3**	**mg/kg**	**0.12**	**0.34**
Dibenzo[a,h]anthracene	3	mg/kg	0.12	ND
Dibenzofuran	3	mg/kg	0.12	ND
Diethylphthalate	3	mg/kg	0.12	ND
Dimethylphthalate	3	mg/kg	0.12	ND
Di-n-butylphthalate	3	mg/kg	0.60	ND
Di-n-octylphthalate	3	mg/kg	0.12	ND
Fluoranthene	**3**	**mg/kg**	**0.12**	**0.59**
Fluorene	3	mg/kg	0.12	ND
Hexachlorobenzene	3	mg/kg	0.12	ND
Hexachlorobutadiene	3	mg/kg	0.12	ND
Hexachlorocyclopentadiene	3	mg/kg	0.60	ND
Hexachloroethane	3	mg/kg	0.12	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.12**	**0.28**
Isophorone	3	mg/kg	0.12	ND
Naphthalene	3	mg/kg	0.12	ND
Nitrobenzene	3	mg/kg	0.12	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.12	ND
N-Nitrosodiphenylamine	3	mg/kg	0.12	ND
Pentachlorophenol	3	mg/kg	0.60	ND
Phenanthrene	**3**	**mg/kg**	**0.12**	**0.27**

Sample ID:	**SB-01-5.5-6.0'**	**Collection Date:**	**11/25/2024**
Lab#:	**AD48435-006**	**Receipt Date:**	**11/27/2024**
Matrix:	**Soil**		

Phenol	3	mg/kg	0.12	ND
Pyrene	**3**	**mg/kg**	**0.12**	**0.53**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**25**	**5800**
Antimony	**1**	**mg/kg**	**0.37**	**0.76**
Arsenic	**1**	**mg/kg**	**0.25**	**6.4**
Barium	**1**	**mg/kg**	**0.61**	**170**
Beryllium	**1**	**mg/kg**	**0.12**	**0.39**
Cadmium	**1**	**mg/kg**	**0.25**	**1.4**
Calcium	**1**	**mg/kg**	**120**	**2500**
Chromium	**1**	**mg/kg**	**0.25**	**22**
Cobalt	**1**	**mg/kg**	**0.25**	**5.9**
Copper	**1**	**mg/kg**	**1.2**	**99**
Iron	**1**	**mg/kg**	**37**	**19000**
Lead	**5**	**mg/kg**	**1.8**	**920**
Magnesium	**1**	**mg/kg**	**120**	**1600**
Manganese	**1**	**mg/kg**	**1.2**	**240**
Nickel	**1**	**mg/kg**	**1.2**	**17**
Potassium	**1**	**mg/kg**	**120**	**760**
Selenium	**1**	**mg/kg**	**1.2**	**2.2**
Silver	**1**	**mg/kg**	**0.25**	**0.46**
Sodium	1	mg/kg	120	ND
Thallium	1	mg/kg	0.25	ND
Vanadium	**1**	**mg/kg**	**0.25**	**28**
Zinc	**1**	**mg/kg**	**4.9**	**300**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.951	mg/kg	0.0023	ND
1,1,2,2-Tetrachloroethane	0.951	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.951	mg/kg	0.0023	ND
1,1,2-Trichloroethane	0.951	mg/kg	0.0023	ND
1,1-Dichloroethane	0.951	mg/kg	0.0023	ND
1,1-Dichloroethene	0.951	mg/kg	0.0023	ND
1,2,3-Trichlorobenzene	0.951	mg/kg	0.0023	ND
1,2,4-Trichlorobenzene	0.951	mg/kg	0.0023	ND
1,2-Dibromo-3-chloropropane	0.951	mg/kg	0.0023	ND
1,2-Dibromoethane	0.951	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.951	mg/kg	0.0023	ND
1,2-Dichloroethane	0.951	mg/kg	0.0023	ND
1,2-Dichloropropane	0.951	mg/kg	0.0023	ND
1,3-Dichlorobenzene	0.951	mg/kg	0.0023	ND
1,3-Dichloropropene (Total)	0.951	mg/kg	0.0023	ND
1,4-Dichlorobenzene	0.951	mg/kg	0.0023	ND
1,4-Dioxane	0.951	mg/kg	0.11	ND
2-Butanone	0.951	mg/kg	0.0023	ND
2-Hexanone	0.951	mg/kg	0.0023	ND
4-Methyl-2-pentanone	0.951	mg/kg	0.0023	ND
Acetone	0.951	mg/kg	0.011	ND
Benzene	0.951	mg/kg	0.0011	ND
Bromochloromethane	0.951	mg/kg	0.0023	ND
Bromodichloromethane	0.951	mg/kg	0.0023	ND
Bromoform	0.951	mg/kg	0.0023	ND
Bromomethane	0.951	mg/kg	0.0023	ND
Carbon disulfide	0.951	mg/kg	0.0057	ND

Sample ID: SB-01-5.5-6.0' **Collection Date:** 11/25/2024
Lab#: AD48435-006 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.951	mg/kg	0.0023	ND
Chlorobenzene	0.951	mg/kg	0.0023	ND
Chloroethane	0.951	mg/kg	0.0023	ND
Chloroform	0.951	mg/kg	0.0023	ND
Chloromethane	0.951	mg/kg	0.0023	ND
cis-1,2-Dichloroethene	0.951	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	0.951	mg/kg	0.0023	ND
Cyclohexane	0.951	mg/kg	0.0023	ND
Dibromochloromethane	0.951	mg/kg	0.0023	ND
Dichlorodifluoromethane	0.951	mg/kg	0.0023	ND
Ethylbenzene	0.951	mg/kg	0.0011	ND
Isopropylbenzene	0.951	mg/kg	0.0011	ND
m&p-Xylenes	0.951	mg/kg	0.0016	ND
Methyl Acetate	0.951	mg/kg	0.0023	ND
Methylcyclohexane	0.951	mg/kg	0.0023	ND
Methylene chloride	0.951	mg/kg	0.0023	ND
Methyl-t-butyl ether	0.951	mg/kg	0.0011	ND
o-Xylene	0.951	mg/kg	0.0011	ND
Styrene	0.951	mg/kg	0.0023	ND
Tetrachloroethene	0.951	mg/kg	0.0023	ND
Toluene	0.951	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.951	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	0.951	mg/kg	0.0023	ND
Trichloroethene	0.951	mg/kg	0.0023	ND
Trichlorofluoromethane	0.951	mg/kg	0.0023	ND
Vinyl chloride	0.951	mg/kg	0.0023	ND
Xylenes (Total)	0.951	mg/kg	0.0011	ND

Sample ID: SB-01-COMP
Lab#: AD48435-007
Matrix: Soil
Collection Date: 11/25/2024
Receipt Date: 11/27/2024

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**86**

Diesel Range Organics 8015D(C10-C28)

Analyte	DF	Units	RL	Result
Diesel Range Organics	**1**	**mg/kg**	**70**	**92**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	84.6	mg/kg	25	ND

Ignitability (EPA 1030)

Analyte	DF	Units	RL	Result
Burning Rate (mm/sec)	**1**			**NA**
Flame Propagation (POS/NEG)	**1**			**NEG**
Ignitability (POS/NEG)	**1**			**NEG**

Mercury (TCLP) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	mg/l	0.00050	ND

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**7.3**
Temperature	**1**	**c**		**20.4**

Reactive Cyanide

Analyte	DF	Units	RL	Result
Cyanide (Reactive)	1	mg/kg	0.50	ND

Reactive Sulfide

Analyte	DF	Units	RL	Result
Sulfide (Reactive)	1	mg/kg	100	ND

TCLP Metals 6010D

Analyte	DF	Units	RL	Result
Arsenic	1	mg/l	0.10	ND
Barium	**1**	**mg/l**	**0.25**	**1.2**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.18**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

Sample ID: SB-06-0-2.0' **Collection Date:** 11/25/2024
Lab#: AD48435-008 **Receipt Date:** 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**86**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.097	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0058	ND
Aldrin	1	mg/kg	0.0058	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0058	ND
delta-BHC	1	mg/kg	0.0058	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0058	ND
Endosulfan II	1	mg/kg	0.0058	ND
Endosulfan Sulfate	1	mg/kg	0.0058	ND
Endrin	1	mg/kg	0.0058	ND
Endrin Aldehyde	1	mg/kg	0.0058	ND
Endrin Ketone	1	mg/kg	0.0058	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0058	ND
Heptachlor Epoxide	1	mg/kg	0.0058	ND
Methoxychlor	1	mg/kg	0.0058	ND
p,p'-DDD	**1**	**mg/kg**	**0.0029**	**0.013**
p,p'-DDE	**1**	**mg/kg**	**0.0029**	**0.034**
p,p'-DDT	**1**	**mg/kg**	**0.0029**	**0.0053d**
Toxaphene	1	mg/kg	0.029	ND
y-Chlordane	1	mg/kg	0.0058	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.039	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.039	ND
1,4-Dioxane	1	mg/kg	0.039	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.039	ND
2,4,5-Trichlorophenol	1	mg/kg	0.039	ND
2,4,6-Trichlorophenol	1	mg/kg	0.039	ND
2,4-Dichlorophenol	1	mg/kg	0.039	ND
2,4-Dimethylphenol	1	mg/kg	0.039	ND
2,4-Dinitrophenol	1	mg/kg	0.19	ND

Sample ID: SB-06-0-2.0'	**Collection Date:** 11/25/2024
Lab#: AD48435-008	**Receipt Date:** 11/27/2024
Matrix: Soil	

2,4-Dinitrotoluene	1	mg/kg	0.039	ND
2,6-Dinitrotoluene	1	mg/kg	0.039	ND
2-Chloronaphthalene	1	mg/kg	0.039	ND
2-Chlorophenol	1	mg/kg	0.039	ND
2-Methylnaphthalene	1	mg/kg	0.039	ND
2-Methylphenol	1	mg/kg	0.039	ND
2-Nitroaniline	1	mg/kg	0.039	ND
2-Nitrophenol	1	mg/kg	0.039	ND
3&4-Methylphenol	1	mg/kg	0.039	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.039	ND
3-Nitroaniline	1	mg/kg	0.039	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.19	ND
4-Bromophenyl-phenylether	1	mg/kg	0.039	ND
4-Chloro-3-methylphenol	1	mg/kg	0.039	ND
4-Chloroaniline	1	mg/kg	0.039	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.039	ND
4-Nitroaniline	1	mg/kg	0.039	ND
4-Nitrophenol	1	mg/kg	0.039	ND
Acenaphthene	1	mg/kg	0.039	ND
Acenaphthylene	1	mg/kg	0.039	ND
Acetophenone	1	mg/kg	0.039	ND
Anthracene	**1**	**mg/kg**	**0.039**	**0.078**
Atrazine	1	mg/kg	0.039	ND
Benzaldehyde	1	mg/kg	0.039	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.039**	**0.37**
Benzo[a]pyrene	**1**	**mg/kg**	**0.039**	**0.40**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.039**	**0.55**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.039**	**0.30**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.039**	**0.14**
bis(2-Chloroethoxy)methane	1	mg/kg	0.039	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.015	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.039	ND
bis(2-Ethylhexyl)phthalate	**1**	**mg/kg**	**0.039**	**0.091**
Butylbenzylphthalate	1	mg/kg	0.039	ND
Caprolactam	1	mg/kg	0.039	ND
Carbazole	1	mg/kg	0.039	ND
Chrysene	**1**	**mg/kg**	**0.039**	**0.37**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.039**	**0.073**
Dibenzofuran	1	mg/kg	0.039	ND
Diethylphthalate	1	mg/kg	0.039	ND
Dimethylphthalate	1	mg/kg	0.039	ND
Di-n-butylphthalate	1	mg/kg	0.19	ND
Di-n-octylphthalate	1	mg/kg	0.039	ND
Fluoranthene	**1**	**mg/kg**	**0.039**	**0.56**
Fluorene	1	mg/kg	0.039	ND
Hexachlorobenzene	1	mg/kg	0.039	ND
Hexachlorobutadiene	1	mg/kg	0.039	ND
Hexachlorocyclopentadiene	1	mg/kg	0.19	ND
Hexachloroethane	1	mg/kg	0.039	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.039**	**0.33**
Isophorone	1	mg/kg	0.039	ND
Naphthalene	1	mg/kg	0.039	ND
Nitrobenzene	1	mg/kg	0.039	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.039	ND
N-Nitrosodiphenylamine	1	mg/kg	0.039	ND
Pentachlorophenol	1	mg/kg	0.19	ND
Phenanthrene	**1**	**mg/kg**	**0.039**	**0.25**

Sample ID: SB-06-0-2.0' **Collection Date:** 11/25/2024
Lab#: AD48435-008 **Receipt Date:** 11/27/2024
Matrix: Soil

Phenol	1	mg/kg	0.039	ND
Pyrene	**1**	**mg/kg**	**0.039**	**0.54**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**23**	**8600**
Antimony	**1**	**mg/kg**	**0.35**	**0.36**
Arsenic	**1**	**mg/kg**	**0.23**	**5.5**
Barium	**1**	**mg/kg**	**0.58**	**91**
Beryllium	**1**	**mg/kg**	**0.12**	**0.43**
Cadmium	**1**	**mg/kg**	**0.23**	**0.31**
Calcium	**1**	**mg/kg**	**120**	**4200**
Chromium	**1**	**mg/kg**	**0.23**	**19**
Cobalt	**1**	**mg/kg**	**0.23**	**6.2**
Copper	**1**	**mg/kg**	**1.2**	**40**
Iron	**1**	**mg/kg**	**35**	**16000**
Lead	**1**	**mg/kg**	**0.35**	**120**
Magnesium	**1**	**mg/kg**	**120**	**2200**
Manganese	**1**	**mg/kg**	**1.2**	**400**
Nickel	**1**	**mg/kg**	**1.2**	**15**
Potassium	**1**	**mg/kg**	**120**	**870**
Selenium	**1**	**mg/kg**	**1.2**	**2.2**
Silver	1	mg/kg	0.23	ND
Sodium	1	mg/kg	120	ND
Thallium	1	mg/kg	0.23	ND
Vanadium	**1**	**mg/kg**	**0.23**	**26**
Zinc	**1**	**mg/kg**	**4.7**	**110**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.871	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.871	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.871	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.871	mg/kg	0.0020	ND
1,1-Dichloroethane	0.871	mg/kg	0.0020	ND
1,1-Dichloroethene	0.871	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	0.871	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.871	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.871	mg/kg	0.0020	ND
1,2-Dibromoethane	0.871	mg/kg	0.0010	ND
1,2-Dichlorobenzene	0.871	mg/kg	0.0020	ND
1,2-Dichloroethane	0.871	mg/kg	0.0020	ND
1,2-Dichloropropane	0.871	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.871	mg/kg	0.0020	ND
1,3-Dichloropropene (Total)	0.871	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.871	mg/kg	0.0020	ND
1,4-Dioxane	0.871	mg/kg	0.10	ND
2-Butanone	0.871	mg/kg	0.0020	ND
2-Hexanone	0.871	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.871	mg/kg	0.0020	ND
Acetone	0.871	mg/kg	0.010	ND
Benzene	0.871	mg/kg	0.0010	ND
Bromochloromethane	0.871	mg/kg	0.0020	ND
Bromodichloromethane	0.871	mg/kg	0.0020	ND
Bromoform	0.871	mg/kg	0.0020	ND
Bromomethane	0.871	mg/kg	0.0020	ND
Carbon disulfide	0.871	mg/kg	0.0051	ND

Sample ID: SB-06-0-2.0' **Collection Date:** 11/25/2024
Lab#: AD48435-008 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.871	mg/kg	0.0020	ND
Chlorobenzene	0.871	mg/kg	0.0020	ND
Chloroethane	0.871	mg/kg	0.0020	ND
Chloroform	0.871	mg/kg	0.0020	ND
Chloromethane	0.871	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.871	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.871	mg/kg	0.0020	ND
Cyclohexane	0.871	mg/kg	0.0020	ND
Dibromochloromethane	0.871	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.871	mg/kg	0.0020	ND
Ethylbenzene	0.871	mg/kg	0.0010	ND
Isopropylbenzene	0.871	mg/kg	0.0010	ND
m&p-Xylenes	0.871	mg/kg	0.0014	ND
Methyl Acetate	0.871	mg/kg	0.0020	ND
Methylcyclohexane	0.871	mg/kg	0.0020	ND
Methylene chloride	0.871	mg/kg	0.0020	ND
Methyl-t-butyl ether	0.871	mg/kg	0.0010	ND
o-Xylene	0.871	mg/kg	0.0010	ND
Styrene	0.871	mg/kg	0.0020	ND
Tetrachloroethene	0.871	mg/kg	0.0020	ND
Toluene	0.871	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.871	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.871	mg/kg	0.0020	ND
Trichloroethene	0.871	mg/kg	0.0020	ND
Trichlorofluoromethane	0.871	mg/kg	0.0020	ND
Vinyl chloride	0.871	mg/kg	0.0020	ND
Xylenes (Total)	0.871	mg/kg	0.0010	ND

Sample ID: SB-16-0-2.0' **Collection Date:** 11/25/2024
Lab#: AD48435-009 **Receipt Date:** 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**88**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.095**	**0.48**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0057	ND
Aldrin	1	mg/kg	0.0057	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane (Total)	1	mg/kg	0.0057	ND
delta-BHC	1	mg/kg	0.0057	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0057	ND
Endosulfan II	1	mg/kg	0.0057	ND
Endosulfan Sulfate	1	mg/kg	0.0057	ND
Endrin	1	mg/kg	0.0057	ND
Endrin Aldehyde	1	mg/kg	0.0057	ND
Endrin Ketone	1	mg/kg	0.0057	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0057	ND
Heptachlor Epoxide	1	mg/kg	0.0057	ND
Methoxychlor	1	mg/kg	0.0057	ND
p,p'-DDD	1	mg/kg	0.0028	ND
p,p'-DDE	**1**	**mg/kg**	**0.0028**	**0.012**
p,p'-DDT	**1**	**mg/kg**	**0.0028**	**0.010**
Toxaphene	1	mg/kg	0.028	ND
y-Chlordane	1	mg/kg	0.0057	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.028**	**0.039**
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	**1**	**mg/kg**	**0.028**	**0.039**
Aroclor-1268	1	mg/kg	0.028	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.11	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.11	ND
1,4-Dioxane	3	mg/kg	0.11	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.11	ND
2,4,5-Trichlorophenol	3	mg/kg	0.11	ND
2,4,6-Trichlorophenol	3	mg/kg	0.11	ND
2,4-Dichlorophenol	3	mg/kg	0.11	ND
2,4-Dimethylphenol	3	mg/kg	0.11	ND
2,4-Dinitrophenol	3	mg/kg	0.57	ND

Sample ID:	**SB-16-0-2.0'**
Lab#:	**AD48435-009**
Matrix:	**Soil**
Collection Date:	**11/25/2024**
Receipt Date:	**11/27/2024**

2,4-Dinitrotoluene	3	mg/kg	0.11	ND
2,6-Dinitrotoluene	3	mg/kg	0.11	ND
2-Chloronaphthalene	3	mg/kg	0.11	ND
2-Chlorophenol	3	mg/kg	0.11	ND
2-Methylnaphthalene	3	mg/kg	0.11	ND
2-Methylphenol	3	mg/kg	0.11	ND
2-Nitroaniline	3	mg/kg	0.11	ND
2-Nitrophenol	3	mg/kg	0.11	ND
3&4-Methylphenol	3	mg/kg	0.11	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.11	ND
3-Nitroaniline	3	mg/kg	0.11	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.57	ND
4-Bromophenyl-phenylether	3	mg/kg	0.11	ND
4-Chloro-3-methylphenol	3	mg/kg	0.11	ND
4-Chloroaniline	3	mg/kg	0.11	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.11	ND
4-Nitroaniline	3	mg/kg	0.11	ND
4-Nitrophenol	3	mg/kg	0.11	ND
Acenaphthene	3	mg/kg	0.11	ND
Acenaphthylene	3	mg/kg	0.11	ND
Acetophenone	3	mg/kg	0.11	ND
Anthracene	**3**	**mg/kg**	**0.11**	**0.15**
Atrazine	3	mg/kg	0.11	ND
Benzaldehyde	3	mg/kg	0.11	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.11**	**1.1**
Benzo[a]pyrene	**3**	**mg/kg**	**0.11**	**0.92**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.11**	**1.2**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.11**	**0.66**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.11**	**0.42**
bis(2-Chloroethoxy)methane	3	mg/kg	0.11	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.043	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.11	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.11	ND
Butylbenzylphthalate	3	mg/kg	0.11	ND
Caprolactam	3	mg/kg	0.11	ND
Carbazole	3	mg/kg	0.11	ND
Chrysene	**3**	**mg/kg**	**0.11**	**1.1**
Dibenzo[a,h]anthracene	**3**	**mg/kg**	**0.11**	**0.17**
Dibenzofuran	3	mg/kg	0.11	ND
Diethylphthalate	3	mg/kg	0.11	ND
Dimethylphthalate	3	mg/kg	0.11	ND
Di-n-butylphthalate	3	mg/kg	0.57	ND
Di-n-octylphthalate	3	mg/kg	0.11	ND
Fluoranthene	**3**	**mg/kg**	**0.11**	**1.7**
Fluorene	3	mg/kg	0.11	ND
Hexachlorobenzene	3	mg/kg	0.11	ND
Hexachlorobutadiene	3	mg/kg	0.11	ND
Hexachlorocyclopentadiene	3	mg/kg	0.57	ND
Hexachloroethane	3	mg/kg	0.11	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.11**	**0.69**
Isophorone	3	mg/kg	0.11	ND
Naphthalene	3	mg/kg	0.11	ND
Nitrobenzene	3	mg/kg	0.11	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.11	ND
N-Nitrosodiphenylamine	3	mg/kg	0.11	ND
Pentachlorophenol	3	mg/kg	0.57	ND
Phenanthrene	**3**	**mg/kg**	**0.11**	**0.60**

Sample ID: SB-16-0-2.0' **Collection Date:** 11/25/2024
Lab#: AD48435-009 **Receipt Date:** 11/27/2024
Matrix: Soil

Phenol	3	mg/kg	0.11	ND
Pyrene	**3**	**mg/kg**	**0.11**	**1.7**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**23**	**8300**
Antimony	**1**	**mg/kg**	**0.34**	**1.0**
Arsenic	**1**	**mg/kg**	**0.23**	**11**
Barium	**1**	**mg/kg**	**0.57**	**200**
Beryllium	**1**	**mg/kg**	**0.11**	**0.45**
Cadmium	**1**	**mg/kg**	**0.23**	**0.74**
Calcium	**1**	**mg/kg**	**110**	**3900**
Chromium	**1**	**mg/kg**	**0.23**	**22**
Cobalt	**1**	**mg/kg**	**0.23**	**6.6**
Copper	**1**	**mg/kg**	**1.1**	**110**
Iron	**1**	**mg/kg**	**34**	**19000**
Lead	**1**	**mg/kg**	**0.34**	**300**
Magnesium	**1**	**mg/kg**	**110**	**2700**
Manganese	**1**	**mg/kg**	**1.1**	**430**
Nickel	**1**	**mg/kg**	**1.1**	**21**
Potassium	**1**	**mg/kg**	**110**	**1100**
Selenium	**1**	**mg/kg**	**1.1**	**2.7**
Silver	**1**	**mg/kg**	**0.23**	**0.44**
Sodium	1	mg/kg	110	ND
Thallium	1	mg/kg	0.23	ND
Vanadium	**1**	**mg/kg**	**0.23**	**29**
Zinc	**1**	**mg/kg**	**4.5**	**290**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.898	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.898	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.898	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.898	mg/kg	0.0020	ND
1,1-Dichloroethane	0.898	mg/kg	0.0020	ND
1,1-Dichloroethene	0.898	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	0.898	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.898	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.898	mg/kg	0.0020	ND
1,2-Dibromoethane	0.898	mg/kg	0.0010	ND
1,2-Dichlorobenzene	0.898	mg/kg	0.0020	ND
1,2-Dichloroethane	0.898	mg/kg	0.0020	ND
1,2-Dichloropropane	0.898	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.898	mg/kg	0.0020	ND
1,3-Dichloropropene (Total)	0.898	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.898	mg/kg	0.0020	ND
1,4-Dioxane	0.898	mg/kg	0.10	ND
2-Butanone	0.898	mg/kg	0.0020	ND
2-Hexanone	0.898	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.898	mg/kg	0.0020	ND
Acetone	0.898	mg/kg	0.010	ND
Benzene	0.898	mg/kg	0.0010	ND
Bromochloromethane	0.898	mg/kg	0.0020	ND
Bromodichloromethane	0.898	mg/kg	0.0020	ND
Bromoform	0.898	mg/kg	0.0020	ND
Bromomethane	0.898	mg/kg	0.0020	ND
Carbon disulfide	0.898	mg/kg	0.0051	ND

Sample ID: SB-16-0-2.0' **Collection Date:** 11/25/2024
Lab#: AD48435-009 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.898	mg/kg	0.0020	ND
Chlorobenzene	0.898	mg/kg	0.0020	ND
Chloroethane	0.898	mg/kg	0.0020	ND
Chloroform	0.898	mg/kg	0.0020	ND
Chloromethane	0.898	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.898	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.898	mg/kg	0.0020	ND
Cyclohexane	0.898	mg/kg	0.0020	ND
Dibromochloromethane	0.898	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.898	mg/kg	0.0020	ND
Ethylbenzene	0.898	mg/kg	0.0010	ND
Isopropylbenzene	0.898	mg/kg	0.0010	ND
m&p-Xylenes	0.898	mg/kg	0.0014	ND
Methyl Acetate	0.898	mg/kg	0.0020	ND
Methylcyclohexane	0.898	mg/kg	0.0020	ND
Methylene chloride	0.898	mg/kg	0.0020	ND
Methyl-t-butyl ether	0.898	mg/kg	0.0010	ND
o-Xylene	0.898	mg/kg	0.0010	ND
Styrene	0.898	mg/kg	0.0020	ND
Tetrachloroethene	0.898	mg/kg	0.0020	ND
Toluene	0.898	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.898	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.898	mg/kg	0.0020	ND
Trichloroethene	0.898	mg/kg	0.0020	ND
Trichlorofluoromethane	0.898	mg/kg	0.0020	ND
Vinyl chloride	0.898	mg/kg	0.0020	ND
Xylenes (Total)	0.898	mg/kg	0.0010	ND

Sample ID: SB-21-0-2.0' | **Collection Date:** 11/25/2024
Lab#: AD48435-010 | **Receipt Date:** 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**89**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.094**	**0.66**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0056	ND
Aldrin	1	mg/kg	0.0056	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane (Total)	1	mg/kg	0.0056	ND
delta-BHC	1	mg/kg	0.0056	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0056	ND
Endosulfan II	1	mg/kg	0.0056	ND
Endosulfan Sulfate	1	mg/kg	0.0056	ND
Endrin	1	mg/kg	0.0056	ND
Endrin Aldehyde	1	mg/kg	0.0056	ND
Endrin Ketone	1	mg/kg	0.0056	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0056	ND
Heptachlor Epoxide	1	mg/kg	0.0056	ND
Methoxychlor	1	mg/kg	0.0056	ND
p,p'-DDD	1	mg/kg	0.0028	ND
p,p'-DDE	1	mg/kg	0.0028	ND
p,p'-DDT	1	mg/kg	0.0028	ND
Toxaphene	1	mg/kg	0.028	ND
y-Chlordane	1	mg/kg	0.0056	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.028**	**0.11**
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	**1**	**mg/kg**	**0.028**	**0.11**
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.11	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.11	ND
1,4-Dioxane	3	mg/kg	0.11	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.11	ND
2,4,5-Trichlorophenol	3	mg/kg	0.11	ND
2,4,6-Trichlorophenol	3	mg/kg	0.11	ND
2,4-Dichlorophenol	3	mg/kg	0.11	ND
2,4-Dimethylphenol	3	mg/kg	0.11	ND
2,4-Dinitrophenol	3	mg/kg	0.56	ND

Sample ID:	**SB-21-0-2.0'**	**Collection Date:**	**11/25/2024**
Lab#:	**AD48435-010**	**Receipt Date:**	**11/27/2024**
Matrix:	**Soil**		

2,4-Dinitrotoluene	3	mg/kg	0.11	ND
2,6-Dinitrotoluene	3	mg/kg	0.11	ND
2-Chloronaphthalene	3	mg/kg	0.11	ND
2-Chlorophenol	3	mg/kg	0.11	ND
2-Methylnaphthalene	3	mg/kg	0.11	ND
2-Methylphenol	3	mg/kg	0.11	ND
2-Nitroaniline	3	mg/kg	0.11	ND
2-Nitrophenol	3	mg/kg	0.11	ND
3&4-Methylphenol	3	mg/kg	0.11	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.11	ND
3-Nitroaniline	3	mg/kg	0.11	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.56	ND
4-Bromophenyl-phenylether	3	mg/kg	0.11	ND
4-Chloro-3-methylphenol	3	mg/kg	0.11	ND
4-Chloroaniline	3	mg/kg	0.11	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.11	ND
4-Nitroaniline	3	mg/kg	0.11	ND
4-Nitrophenol	3	mg/kg	0.11	ND
Acenaphthene	3	mg/kg	0.11	ND
Acenaphthylene	3	mg/kg	0.11	ND
Acetophenone	3	mg/kg	0.11	ND
Anthracene	3	mg/kg	0.11	ND
Atrazine	3	mg/kg	0.11	ND
Benzaldehyde	3	mg/kg	0.11	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.11**	**0.49**
Benzo[a]pyrene	**3**	**mg/kg**	**0.11**	**0.50**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.11**	**0.67**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.11**	**0.38**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.11**	**0.22**
bis(2-Chloroethoxy)methane	3	mg/kg	0.11	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.043	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.11	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.11	ND
Butylbenzylphthalate	3	mg/kg	0.11	ND
Caprolactam	3	mg/kg	0.11	ND
Carbazole	3	mg/kg	0.11	ND
Chrysene	**3**	**mg/kg**	**0.11**	**0.51**
Dibenzo[a,h]anthracene	3	mg/kg	0.11	ND
Dibenzofuran	3	mg/kg	0.11	ND
Diethylphthalate	3	mg/kg	0.11	ND
Dimethylphthalate	3	mg/kg	0.11	ND
Di-n-butylphthalate	3	mg/kg	0.56	ND
Di-n-octylphthalate	3	mg/kg	0.11	ND
Fluoranthene	**3**	**mg/kg**	**0.11**	**0.78**
Fluorene	3	mg/kg	0.11	ND
Hexachlorobenzene	3	mg/kg	0.11	ND
Hexachlorobutadiene	3	mg/kg	0.11	ND
Hexachlorocyclopentadiene	3	mg/kg	0.56	ND
Hexachloroethane	3	mg/kg	0.11	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.11**	**0.40**
Isophorone	3	mg/kg	0.11	ND
Naphthalene	3	mg/kg	0.11	ND
Nitrobenzene	3	mg/kg	0.11	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.11	ND
N-Nitrosodiphenylamine	3	mg/kg	0.11	ND
Pentachlorophenol	3	mg/kg	0.56	ND
Phenanthrene	**3**	**mg/kg**	**0.11**	**0.33**

Sample ID: SB-21-0-2.0' **Collection Date:** 11/25/2024
Lab#: AD48435-010 **Receipt Date:** 11/27/2024
Matrix: Soil

Phenol	3	mg/kg	0.11	ND
Pyrene	**3**	**mg/kg**	**0.11**	**0.79**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**22**	**7900**
Antimony	**1**	**mg/kg**	**0.34**	**0.90**
Arsenic	**1**	**mg/kg**	**0.22**	**8.2**
Barium	**1**	**mg/kg**	**0.56**	**190**
Beryllium	**1**	**mg/kg**	**0.11**	**0.42**
Cadmium	**1**	**mg/kg**	**0.22**	**0.55**
Calcium	**1**	**mg/kg**	**110**	**3200**
Chromium	**1**	**mg/kg**	**0.22**	**21**
Cobalt	**1**	**mg/kg**	**0.22**	**6.3**
Copper	**1**	**mg/kg**	**1.1**	**100**
Iron	**1**	**mg/kg**	**34**	**19000**
Lead	**1**	**mg/kg**	**0.34**	**270**
Magnesium	**1**	**mg/kg**	**110**	**2600**
Manganese	**1**	**mg/kg**	**1.1**	**320**
Nickel	**1**	**mg/kg**	**1.1**	**18**
Potassium	**1**	**mg/kg**	**110**	**1100**
Selenium	**1**	**mg/kg**	**1.1**	**2.5**
Silver	**1**	**mg/kg**	**0.22**	**0.29**
Sodium	1	mg/kg	110	ND
Thallium	1	mg/kg	0.22	ND
Vanadium	**1**	**mg/kg**	**0.22**	**27**
Zinc	**1**	**mg/kg**	**4.5**	**260**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	1	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	mg/kg	0.0022	ND
1,1,2-Trichloroethane	1	mg/kg	0.0022	ND
1,1-Dichloroethane	1	mg/kg	0.0022	ND
1,1-Dichloroethene	1	mg/kg	0.0022	ND
1,2,3-Trichlorobenzene	1	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	1	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	1	mg/kg	0.0022	ND
1,2-Dibromoethane	1	mg/kg	0.0011	ND
1,2-Dichlorobenzene	1	mg/kg	0.0022	ND
1,2-Dichloroethane	1	mg/kg	0.0022	ND
1,2-Dichloropropane	1	mg/kg	0.0022	ND
1,3-Dichlorobenzene	1	mg/kg	0.0022	ND
1,3-Dichloropropene (Total)	1	mg/kg	0.0022	ND
1,4-Dichlorobenzene	1	mg/kg	0.0022	ND
1,4-Dioxane	1	mg/kg	0.11	ND
2-Butanone	1	mg/kg	0.0022	ND
2-Hexanone	1	mg/kg	0.0022	ND
4-Methyl-2-pentanone	1	mg/kg	0.0022	ND
Acetone	1	mg/kg	0.011	ND
Benzene	1	mg/kg	0.0011	ND
Bromochloromethane	1	mg/kg	0.0022	ND
Bromodichloromethane	1	mg/kg	0.0022	ND
Bromoform	1	mg/kg	0.0022	ND
Bromomethane	1	mg/kg	0.0022	ND
Carbon disulfide	1	mg/kg	0.0056	ND

Sample ID: SB-21-0-2.0' **Collection Date:** 11/25/2024
Lab#: AD48435-010 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	1	mg/kg	0.0022	ND
Chlorobenzene	1	mg/kg	0.0022	ND
Chloroethane	1	mg/kg	0.0022	ND
Chloroform	1	mg/kg	0.0022	ND
Chloromethane	1	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	1	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	1	mg/kg	0.0022	ND
Cyclohexane	1	mg/kg	0.0022	ND
Dibromochloromethane	1	mg/kg	0.0022	ND
Dichlorodifluoromethane	1	mg/kg	0.0022	ND
Ethylbenzene	1	mg/kg	0.0011	ND
Isopropylbenzene	1	mg/kg	0.0011	ND
m&p-Xylenes	1	mg/kg	0.0016	ND
Methyl Acetate	1	mg/kg	0.0022	ND
Methylcyclohexane	1	mg/kg	0.0022	ND
Methylene chloride	1	mg/kg	0.0022	ND
Methyl-t-butyl ether	1	mg/kg	0.0011	ND
o-Xylene	1	mg/kg	0.0011	ND
Styrene	1	mg/kg	0.0022	ND
Tetrachloroethene	1	mg/kg	0.0022	ND
Toluene	1	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	1	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	1	mg/kg	0.0022	ND
Trichloroethene	1	mg/kg	0.0022	ND
Trichlorofluoromethane	1	mg/kg	0.0022	ND
Vinyl chloride	1	mg/kg	0.0022	ND
Xylenes (Total)	1	mg/kg	0.0011	ND

Sample ID: SB-15-0-2.0' | **Collection Date:** 11/25/2024
Lab#: AD48435-011 | **Receipt Date:** 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**86**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.097**	**0.62**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0058	ND
Aldrin	1	mg/kg	0.0058	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0058	ND
delta-BHC	1	mg/kg	0.0058	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0058	ND
Endosulfan II	1	mg/kg	0.0058	ND
Endosulfan Sulfate	1	mg/kg	0.0058	ND
Endrin	1	mg/kg	0.0058	ND
Endrin Aldehyde	1	mg/kg	0.0058	ND
Endrin Ketone	1	mg/kg	0.0058	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0058	ND
Heptachlor Epoxide	1	mg/kg	0.0058	ND
Methoxychlor	1	mg/kg	0.0058	ND
p,p'-DDD	1	mg/kg	0.0029	ND
p,p'-DDE	**1**	**mg/kg**	**0.0029**	**0.0036d**
p,p'-DDT	**1**	**mg/kg**	**0.0029**	**0.0041d**
Toxaphene	1	mg/kg	0.029	ND
y-Chlordane	1	mg/kg	0.0058	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.029**	**0.041**
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	**1**	**mg/kg**	**0.029**	**0.041**
Aroclor-1268	1	mg/kg	0.029	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.12	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.12	ND
1,4-Dioxane	3	mg/kg	0.12	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.12	ND
2,4,5-Trichlorophenol	3	mg/kg	0.12	ND
2,4,6-Trichlorophenol	3	mg/kg	0.12	ND
2,4-Dichlorophenol	3	mg/kg	0.12	ND
2,4-Dimethylphenol	3	mg/kg	0.12	ND
2,4-Dinitrophenol	3	mg/kg	0.58	ND

Sample ID:	**SB-15-0-2.0'**
Lab#:	**AD48435-011**
Matrix:	**Soil**
Collection Date:	**11/25/2024**
Receipt Date:	**11/27/2024**

2,4-Dinitrotoluene	3	mg/kg	0.12	ND
2,6-Dinitrotoluene	3	mg/kg	0.12	ND
2-Chloronaphthalene	3	mg/kg	0.12	ND
2-Chlorophenol	3	mg/kg	0.12	ND
2-Methylnaphthalene	3	mg/kg	0.12	ND
2-Methylphenol	3	mg/kg	0.12	ND
2-Nitroaniline	3	mg/kg	0.12	ND
2-Nitrophenol	3	mg/kg	0.12	ND
3&4-Methylphenol	3	mg/kg	0.12	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.12	ND
3-Nitroaniline	3	mg/kg	0.12	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.58	ND
4-Bromophenyl-phenylether	3	mg/kg	0.12	ND
4-Chloro-3-methylphenol	3	mg/kg	0.12	ND
4-Chloroaniline	3	mg/kg	0.12	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.12	ND
4-Nitroaniline	3	mg/kg	0.12	ND
4-Nitrophenol	3	mg/kg	0.12	ND
Acenaphthene	3	mg/kg	0.12	ND
Acenaphthylene	3	mg/kg	0.12	ND
Acetophenone	3	mg/kg	0.12	ND
Anthracene	**3**	**mg/kg**	**0.12**	**0.13**
Atrazine	3	mg/kg	0.12	ND
Benzaldehyde	3	mg/kg	0.12	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.12**	**0.68**
Benzo[a]pyrene	**3**	**mg/kg**	**0.12**	**0.63**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.12**	**0.88**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.12**	**0.48**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.12**	**0.29**
bis(2-Chloroethoxy)methane	3	mg/kg	0.12	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.044	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.12	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.12	ND
Butylbenzylphthalate	3	mg/kg	0.12	ND
Caprolactam	3	mg/kg	0.12	ND
Carbazole	3	mg/kg	0.12	ND
Chrysene	**3**	**mg/kg**	**0.12**	**0.67**
Dibenzo[a,h]anthracene	**3**	**mg/kg**	**0.12**	**0.12**
Dibenzofuran	3	mg/kg	0.12	ND
Diethylphthalate	3	mg/kg	0.12	ND
Dimethylphthalate	3	mg/kg	0.12	ND
Di-n-butylphthalate	3	mg/kg	0.58	ND
Di-n-octylphthalate	3	mg/kg	0.12	ND
Fluoranthene	**3**	**mg/kg**	**0.12**	**1.2**
Fluorene	3	mg/kg	0.12	ND
Hexachlorobenzene	3	mg/kg	0.12	ND
Hexachlorobutadiene	3	mg/kg	0.12	ND
Hexachlorocyclopentadiene	3	mg/kg	0.58	ND
Hexachloroethane	3	mg/kg	0.12	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.12**	**0.51**
Isophorone	3	mg/kg	0.12	ND
Naphthalene	3	mg/kg	0.12	ND
Nitrobenzene	3	mg/kg	0.12	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.12	ND
N-Nitrosodiphenylamine	3	mg/kg	0.12	ND
Pentachlorophenol	3	mg/kg	0.58	ND
Phenanthrene	**3**	**mg/kg**	**0.12**	**0.50**

Sample ID:	**SB-15-0-2.0'**	**Collection Date:**	**11/25/2024**
Lab#:	**AD48435-011**	**Receipt Date:**	**11/27/2024**
Matrix:	**Soil**		

Phenol	3	mg/kg	0.12	ND
Pyrene	**3**	**mg/kg**	**0.12**	**1.1**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**23**	**9300**
Antimony	**1**	**mg/kg**	**0.35**	**1.1**
Arsenic	**1**	**mg/kg**	**0.23**	**11**
Barium	**1**	**mg/kg**	**0.58**	**190**
Beryllium	**1**	**mg/kg**	**0.12**	**0.59**
Cadmium	**1**	**mg/kg**	**0.23**	**1.4**
Calcium	**1**	**mg/kg**	**120**	**5000**
Chromium	**1**	**mg/kg**	**0.23**	**25**
Cobalt	**1**	**mg/kg**	**0.23**	**8.5**
Copper	**1**	**mg/kg**	**1.2**	**110**
Iron	**1**	**mg/kg**	**35**	**37000**
Lead	**1**	**mg/kg**	**0.35**	**310**
Magnesium	**1**	**mg/kg**	**120**	**2900**
Manganese	**1**	**mg/kg**	**1.2**	**590**
Nickel	**1**	**mg/kg**	**1.2**	**22**
Potassium	**1**	**mg/kg**	**120**	**1300**
Selenium	**1**	**mg/kg**	**1.2**	**3.2**
Silver	**1**	**mg/kg**	**0.23**	**0.35**
Sodium	**1**	**mg/kg**	**120**	**150**
Thallium	1	mg/kg	0.23	ND
Vanadium	**1**	**mg/kg**	**0.23**	**32**
Zinc	**1**	**mg/kg**	**4.7**	**380**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.977	mg/kg	0.0023	ND
1,1,2,2-Tetrachloroethane	0.977	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.977	mg/kg	0.0023	ND
1,1,2-Trichloroethane	0.977	mg/kg	0.0023	ND
1,1-Dichloroethane	0.977	mg/kg	0.0023	ND
1,1-Dichloroethene	0.977	mg/kg	0.0023	ND
1,2,3-Trichlorobenzene	0.977	mg/kg	0.0023	ND
1,2,4-Trichlorobenzene	0.977	mg/kg	0.0023	ND
1,2-Dibromo-3-chloropropane	0.977	mg/kg	0.0023	ND
1,2-Dibromoethane	0.977	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.977	mg/kg	0.0023	ND
1,2-Dichloroethane	0.977	mg/kg	0.0023	ND
1,2-Dichloropropane	0.977	mg/kg	0.0023	ND
1,3-Dichlorobenzene	0.977	mg/kg	0.0023	ND
1,3-Dichloropropene (Total)	0.977	mg/kg	0.0023	ND
1,4-Dichlorobenzene	0.977	mg/kg	0.0023	ND
1,4-Dioxane	0.977	mg/kg	0.11	ND
2-Butanone	0.977	mg/kg	0.0023	ND
2-Hexanone	0.977	mg/kg	0.0023	ND
4-Methyl-2-pentanone	0.977	mg/kg	0.0023	ND
Acetone	0.977	mg/kg	0.011	ND
Benzene	0.977	mg/kg	0.0011	ND
Bromochloromethane	0.977	mg/kg	0.0023	ND
Bromodichloromethane	0.977	mg/kg	0.0023	ND
Bromoform	0.977	mg/kg	0.0023	ND
Bromomethane	0.977	mg/kg	0.0023	ND
Carbon disulfide	0.977	mg/kg	0.0057	ND

Sample ID: SB-15-0-2.0' **Collection Date:** 11/25/2024
Lab#: AD48435-011 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.977	mg/kg	0.0023	ND
Chlorobenzene	0.977	mg/kg	0.0023	ND
Chloroethane	0.977	mg/kg	0.0023	ND
Chloroform	0.977	mg/kg	0.0023	ND
Chloromethane	0.977	mg/kg	0.0023	ND
cis-1,2-Dichloroethene	0.977	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	0.977	mg/kg	0.0023	ND
Cyclohexane	0.977	mg/kg	0.0023	ND
Dibromochloromethane	0.977	mg/kg	0.0023	ND
Dichlorodifluoromethane	0.977	mg/kg	0.0023	ND
Ethylbenzene	0.977	mg/kg	0.0011	ND
Isopropylbenzene	0.977	mg/kg	0.0011	ND
m&p-Xylenes	0.977	mg/kg	0.0016	ND
Methyl Acetate	0.977	mg/kg	0.0023	ND
Methylcyclohexane	0.977	mg/kg	0.0023	ND
Methylene chloride	0.977	mg/kg	0.0023	ND
Methyl-t-butyl ether	0.977	mg/kg	0.0011	ND
o-Xylene	0.977	mg/kg	0.0011	ND
Styrene	0.977	mg/kg	0.0023	ND
Tetrachloroethene	0.977	mg/kg	0.0023	ND
Toluene	0.977	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.977	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	0.977	mg/kg	0.0023	ND
Trichloroethene	0.977	mg/kg	0.0023	ND
Trichlorofluoromethane	0.977	mg/kg	0.0023	ND
Vinyl chloride	0.977	mg/kg	0.0023	ND
Xylenes (Total)	0.977	mg/kg	0.0011	ND

Sample ID: SB-20-0-2.0' **Collection Date:** 11/26/2024
Lab#: AD48435-012 **Receipt Date:** 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**89**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.094**	**0.60**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0056	ND
Aldrin	1	mg/kg	0.0056	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane (Total)	1	mg/kg	0.0056	ND
delta-BHC	1	mg/kg	0.0056	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0056	ND
Endosulfan II	1	mg/kg	0.0056	ND
Endosulfan Sulfate	1	mg/kg	0.0056	ND
Endrin	1	mg/kg	0.0056	ND
Endrin Aldehyde	1	mg/kg	0.0056	ND
Endrin Ketone	1	mg/kg	0.0056	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0056	ND
Heptachlor Epoxide	1	mg/kg	0.0056	ND
Methoxychlor	1	mg/kg	0.0056	ND
p,p'-DDD	**1**	**mg/kg**	**0.0028**	**0.0053**
p,p'-DDE	**1**	**mg/kg**	**0.0028**	**0.014**
p,p'-DDT	**1**	**mg/kg**	**0.0028**	**0.0069**
Toxaphene	1	mg/kg	0.028	ND
y-Chlordane	1	mg/kg	0.0056	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.028	ND
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.11	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.11	ND
1,4-Dioxane	3	mg/kg	0.11	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.11	ND
2,4,5-Trichlorophenol	3	mg/kg	0.11	ND
2,4,6-Trichlorophenol	3	mg/kg	0.11	ND
2,4-Dichlorophenol	3	mg/kg	0.11	ND
2,4-Dimethylphenol	3	mg/kg	0.11	ND
2,4-Dinitrophenol	3	mg/kg	0.56	ND

Sample ID: SB-20-0-2.0' **Collection Date:** 11/26/2024
Lab#: AD48435-012 **Receipt Date:** 11/27/2024
Matrix: Soil

2,4-Dinitrotoluene	3	mg/kg	0.11	ND
2,6-Dinitrotoluene	3	mg/kg	0.11	ND
2-Chloronaphthalene	3	mg/kg	0.11	ND
2-Chlorophenol	3	mg/kg	0.11	ND
2-Methylnaphthalene	3	mg/kg	0.11	ND
2-Methylphenol	3	mg/kg	0.11	ND
2-Nitroaniline	3	mg/kg	0.11	ND
2-Nitrophenol	3	mg/kg	0.11	ND
3&4-Methylphenol	3	mg/kg	0.11	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.11	ND
3-Nitroaniline	3	mg/kg	0.11	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.56	ND
4-Bromophenyl-phenylether	3	mg/kg	0.11	ND
4-Chloro-3-methylphenol	3	mg/kg	0.11	ND
4-Chloroaniline	3	mg/kg	0.11	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.11	ND
4-Nitroaniline	3	mg/kg	0.11	ND
4-Nitrophenol	3	mg/kg	0.11	ND
Acenaphthene	3	mg/kg	0.11	ND
Acenaphthylene	3	mg/kg	0.11	ND
Acetophenone	3	mg/kg	0.11	ND
Anthracene	3	mg/kg	0.11	ND
Atrazine	3	mg/kg	0.11	ND
Benzaldehyde	3	mg/kg	0.11	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.11**	**0.38**
Benzo[a]pyrene	**3**	**mg/kg**	**0.11**	**0.40**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.11**	**0.55**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.11**	**0.33**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.11**	**0.18**
bis(2-Chloroethoxy)methane	3	mg/kg	0.11	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.043	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.11	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.11	ND
Butylbenzylphthalate	3	mg/kg	0.11	ND
Caprolactam	3	mg/kg	0.11	ND
Carbazole	3	mg/kg	0.11	ND
Chrysene	**3**	**mg/kg**	**0.11**	**0.38**
Dibenzo[a,h]anthracene	3	mg/kg	0.11	ND
Dibenzofuran	3	mg/kg	0.11	ND
Diethylphthalate	3	mg/kg	0.11	ND
Dimethylphthalate	3	mg/kg	0.11	ND
Di-n-butylphthalate	3	mg/kg	0.56	ND
Di-n-octylphthalate	3	mg/kg	0.11	ND
Fluoranthene	**3**	**mg/kg**	**0.11**	**0.58**
Fluorene	3	mg/kg	0.11	ND
Hexachlorobenzene	3	mg/kg	0.11	ND
Hexachlorobutadiene	3	mg/kg	0.11	ND
Hexachlorocyclopentadiene	3	mg/kg	0.56	ND
Hexachloroethane	3	mg/kg	0.11	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.11**	**0.32**
Isophorone	3	mg/kg	0.11	ND
Naphthalene	3	mg/kg	0.11	ND
Nitrobenzene	3	mg/kg	0.11	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.11	ND
N-Nitrosodiphenylamine	3	mg/kg	0.11	ND
Pentachlorophenol	3	mg/kg	0.56	ND
Phenanthrene	**3**	**mg/kg**	**0.11**	**0.27**

Sample ID:	**SB-20-0-2.0'**	**Collection Date:**	**11/26/2024**
Lab#:	**AD48435-012**	**Receipt Date:**	**11/27/2024**
Matrix:	**Soil**		

Phenol	3	mg/kg	0.11	ND
Pyrene	**3**	**mg/kg**	**0.11**	**0.56**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**22**	**9100**
Antimony	**1**	**mg/kg**	**0.34**	**0.96**
Arsenic	**1**	**mg/kg**	**0.22**	**12**
Barium	**1**	**mg/kg**	**0.56**	**180**
Beryllium	**1**	**mg/kg**	**0.11**	**0.52**
Cadmium	**1**	**mg/kg**	**0.22**	**0.60**
Calcium	**1**	**mg/kg**	**110**	**2900**
Chromium	**1**	**mg/kg**	**0.22**	**26**
Cobalt	**1**	**mg/kg**	**0.22**	**7.0**
Copper	**1**	**mg/kg**	**1.1**	**110**
Iron	**1**	**mg/kg**	**34**	**23000**
Lead	**1**	**mg/kg**	**0.34**	**320**
Magnesium	**1**	**mg/kg**	**110**	**2800**
Manganese	**1**	**mg/kg**	**1.1**	**430**
Nickel	**1**	**mg/kg**	**1.1**	**20**
Potassium	**1**	**mg/kg**	**110**	**1200**
Selenium	**1**	**mg/kg**	**1.1**	**3.0**
Silver	**1**	**mg/kg**	**0.22**	**0.38**
Sodium	1	mg/kg	110	ND
Thallium	1	mg/kg	0.22	ND
Vanadium	**1**	**mg/kg**	**0.22**	**29**
Zinc	**1**	**mg/kg**	**4.5**	**310**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.967	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.967	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.967	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.967	mg/kg	0.0022	ND
1,1-Dichloroethane	0.967	mg/kg	0.0022	ND
1,1-Dichloroethene	0.967	mg/kg	0.0022	ND
1,2,3-Trichlorobenzene	0.967	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	0.967	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	0.967	mg/kg	0.0022	ND
1,2-Dibromoethane	0.967	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.967	mg/kg	0.0022	ND
1,2-Dichloroethane	0.967	mg/kg	0.0022	ND
1,2-Dichloropropane	0.967	mg/kg	0.0022	ND
1,3-Dichlorobenzene	0.967	mg/kg	0.0022	ND
1,3-Dichloropropene (Total)	0.967	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.967	mg/kg	0.0022	ND
1,4-Dioxane	0.967	mg/kg	0.11	ND
2-Butanone	0.967	mg/kg	0.0022	ND
2-Hexanone	0.967	mg/kg	0.0022	ND
4-Methyl-2-pentanone	0.967	mg/kg	0.0022	ND
Acetone	0.967	mg/kg	0.011	ND
Benzene	0.967	mg/kg	0.0011	ND
Bromochloromethane	0.967	mg/kg	0.0022	ND
Bromodichloromethane	0.967	mg/kg	0.0022	ND
Bromoform	0.967	mg/kg	0.0022	ND
Bromomethane	0.967	mg/kg	0.0022	ND
Carbon disulfide	0.967	mg/kg	0.0054	ND

Sample ID: SB-20-0-2.0' **Collection Date:** 11/26/2024
Lab#: AD48435-012 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.967	mg/kg	0.0022	ND
Chlorobenzene	0.967	mg/kg	0.0022	ND
Chloroethane	0.967	mg/kg	0.0022	ND
Chloroform	0.967	mg/kg	0.0022	ND
Chloromethane	0.967	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.967	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.967	mg/kg	0.0022	ND
Cyclohexane	0.967	mg/kg	0.0022	ND
Dibromochloromethane	0.967	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.967	mg/kg	0.0022	ND
Ethylbenzene	0.967	mg/kg	0.0011	ND
Isopropylbenzene	0.967	mg/kg	0.0011	ND
m&p-Xylenes	0.967	mg/kg	0.0015	ND
Methyl Acetate	0.967	mg/kg	0.0022	ND
Methylcyclohexane	0.967	mg/kg	0.0022	ND
Methylene chloride	0.967	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.967	mg/kg	0.0011	ND
o-Xylene	0.967	mg/kg	0.0011	ND
Styrene	0.967	mg/kg	0.0022	ND
Tetrachloroethene	0.967	mg/kg	0.0022	ND
Toluene	0.967	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.967	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.967	mg/kg	0.0022	ND
Trichloroethene	0.967	mg/kg	0.0022	ND
Trichlorofluoromethane	0.967	mg/kg	0.0022	ND
Vinyl chloride	0.967	mg/kg	0.0022	ND
Xylenes (Total)	0.967	mg/kg	0.0011	ND

Sample ID: SB-05-0-2.0' **Collection Date:** 11/26/2024
Lab#: AD48435-013 **Receipt Date:** 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**85**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.098**	**0.91**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0059	ND
Aldrin	1	mg/kg	0.0059	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0059	ND
delta-BHC	1	mg/kg	0.0059	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0059	ND
Endosulfan II	1	mg/kg	0.0059	ND
Endosulfan Sulfate	1	mg/kg	0.0059	ND
Endrin	1	mg/kg	0.0059	ND
Endrin Aldehyde	1	mg/kg	0.0059	ND
Endrin Ketone	1	mg/kg	0.0059	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0059	ND
Heptachlor Epoxide	1	mg/kg	0.0059	ND
Methoxychlor	1	mg/kg	0.0059	ND
p,p'-DDD	1	mg/kg	0.0029	ND
p,p'-DDE	**1**	**mg/kg**	**0.0029**	**0.012**
p,p'-DDT	1	mg/kg	0.0029	ND
Toxaphene	1	mg/kg	0.029	ND
y-Chlordane	1	mg/kg	0.0059	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.029**	**0.067**
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	**1**	**mg/kg**	**0.029**	**0.067**
Aroclor-1268	1	mg/kg	0.029	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.12	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.12	ND
1,4-Dioxane	3	mg/kg	0.12	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.12	ND
2,4,5-Trichlorophenol	3	mg/kg	0.12	ND
2,4,6-Trichlorophenol	3	mg/kg	0.12	ND
2,4-Dichlorophenol	3	mg/kg	0.12	ND
2,4-Dimethylphenol	3	mg/kg	0.12	ND
2,4-Dinitrophenol	3	mg/kg	0.59	ND

Sample ID:	**SB-05-0-2.0'**
Lab#:	**AD48435-013**
Matrix:	**Soil**
Collection Date:	**11/26/2024**
Receipt Date:	**11/27/2024**

2,4-Dinitrotoluene	3	mg/kg	0.12	ND
2,6-Dinitrotoluene	3	mg/kg	0.12	ND
2-Chloronaphthalene	3	mg/kg	0.12	ND
2-Chlorophenol	3	mg/kg	0.12	ND
2-Methylnaphthalene	3	mg/kg	0.12	ND
2-Methylphenol	3	mg/kg	0.12	ND
2-Nitroaniline	3	mg/kg	0.12	ND
2-Nitrophenol	3	mg/kg	0.12	ND
3&4-Methylphenol	3	mg/kg	0.12	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.12	ND
3-Nitroaniline	3	mg/kg	0.12	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.59	ND
4-Bromophenyl-phenylether	3	mg/kg	0.12	ND
4-Chloro-3-methylphenol	3	mg/kg	0.12	ND
4-Chloroaniline	3	mg/kg	0.12	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.12	ND
4-Nitroaniline	3	mg/kg	0.12	ND
4-Nitrophenol	3	mg/kg	0.12	ND
Acenaphthene	3	mg/kg	0.12	ND
Acenaphthylene	3	mg/kg	0.12	ND
Acetophenone	3	mg/kg	0.12	ND
Anthracene	3	mg/kg	0.12	ND
Atrazine	3	mg/kg	0.12	ND
Benzaldehyde	3	mg/kg	0.12	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.12**	**0.53**
Benzo[a]pyrene	**3**	**mg/kg**	**0.12**	**0.53**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.12**	**0.73**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.12**	**0.43**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.12**	**0.24**
bis(2-Chloroethoxy)methane	3	mg/kg	0.12	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.045	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.12	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.12	ND
Butylbenzylphthalate	3	mg/kg	0.12	ND
Caprolactam	3	mg/kg	0.12	ND
Carbazole	3	mg/kg	0.12	ND
Chrysene	**3**	**mg/kg**	**0.12**	**0.55**
Dibenzo[a,h]anthracene	3	mg/kg	0.12	ND
Dibenzofuran	3	mg/kg	0.12	ND
Diethylphthalate	3	mg/kg	0.12	ND
Dimethylphthalate	3	mg/kg	0.12	ND
Di-n-butylphthalate	3	mg/kg	0.59	ND
Di-n-octylphthalate	3	mg/kg	0.12	ND
Fluoranthene	**3**	**mg/kg**	**0.12**	**0.82**
Fluorene	3	mg/kg	0.12	ND
Hexachlorobenzene	3	mg/kg	0.12	ND
Hexachlorobutadiene	3	mg/kg	0.12	ND
Hexachlorocyclopentadiene	3	mg/kg	0.59	ND
Hexachloroethane	3	mg/kg	0.12	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.12**	**0.44**
Isophorone	3	mg/kg	0.12	ND
Naphthalene	3	mg/kg	0.12	ND
Nitrobenzene	3	mg/kg	0.12	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.12	ND
N-Nitrosodiphenylamine	3	mg/kg	0.12	ND
Pentachlorophenol	3	mg/kg	0.59	ND
Phenanthrene	**3**	**mg/kg**	**0.12**	**0.36**

Sample ID: SB-05-0-2.0' **Collection Date:** 11/26/2024
Lab#: AD48435-013 **Receipt Date:** 11/27/2024
Matrix: Soil

Phenol	3	mg/kg	0.12	ND
Pyrene	**3**	**mg/kg**	**0.12**	**0.82**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**24**	**6400**
Antimony	**1**	**mg/kg**	**0.35**	**4.4**
Arsenic	**1**	**mg/kg**	**0.24**	**9.7**
Barium	**1**	**mg/kg**	**0.59**	**370**
Beryllium	**1**	**mg/kg**	**0.12**	**0.40**
Cadmium	**1**	**mg/kg**	**0.24**	**2.1**
Calcium	**1**	**mg/kg**	**120**	**8900**
Chromium	**1**	**mg/kg**	**0.24**	**23**
Cobalt	**1**	**mg/kg**	**0.24**	**5.5**
Copper	**1**	**mg/kg**	**1.2**	**190**
Iron	**1**	**mg/kg**	**35**	**19000**
Lead	**1**	**mg/kg**	**0.35**	**480**
Magnesium	**1**	**mg/kg**	**120**	**2200**
Manganese	**1**	**mg/kg**	**1.2**	**290**
Nickel	**1**	**mg/kg**	**1.2**	**19**
Potassium	**1**	**mg/kg**	**120**	**840**
Selenium	**1**	**mg/kg**	**1.2**	**2.4**
Silver	**1**	**mg/kg**	**0.24**	**0.80**
Sodium	**1**	**mg/kg**	**120**	**140**
Thallium	1	mg/kg	0.24	ND
Vanadium	**1**	**mg/kg**	**0.24**	**23**
Zinc	**1**	**mg/kg**	**4.7**	**520**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.943	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.943	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.943	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.943	mg/kg	0.0022	ND
1,1-Dichloroethane	0.943	mg/kg	0.0022	ND
1,1-Dichloroethene	0.943	mg/kg	0.0022	ND
1,2,3-Trichlorobenzene	0.943	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	0.943	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	0.943	mg/kg	0.0022	ND
1,2-Dibromoethane	0.943	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.943	mg/kg	0.0022	ND
1,2-Dichloroethane	0.943	mg/kg	0.0022	ND
1,2-Dichloropropane	0.943	mg/kg	0.0022	ND
1,3-Dichlorobenzene	0.943	mg/kg	0.0022	ND
1,3-Dichloropropene (Total)	0.943	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.943	mg/kg	0.0022	ND
1,4-Dioxane	0.943	mg/kg	0.11	ND
2-Butanone	0.943	mg/kg	0.0022	ND
2-Hexanone	0.943	mg/kg	0.0022	ND
4-Methyl-2-pentanone	0.943	mg/kg	0.0022	ND
Acetone	0.943	mg/kg	0.011	ND
Benzene	0.943	mg/kg	0.0011	ND
Bromochloromethane	0.943	mg/kg	0.0022	ND
Bromodichloromethane	0.943	mg/kg	0.0022	ND
Bromoform	0.943	mg/kg	0.0022	ND
Bromomethane	0.943	mg/kg	0.0022	ND
Carbon disulfide	0.943	mg/kg	0.0055	ND

Sample ID: SB-05-0-2.0' **Collection Date:** 11/26/2024
Lab#: AD48435-013 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.943	mg/kg	0.0022	ND
Chlorobenzene	0.943	mg/kg	0.0022	ND
Chloroethane	0.943	mg/kg	0.0022	ND
Chloroform	0.943	mg/kg	0.0022	ND
Chloromethane	0.943	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.943	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.943	mg/kg	0.0022	ND
Cyclohexane	0.943	mg/kg	0.0022	ND
Dibromochloromethane	0.943	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.943	mg/kg	0.0022	ND
Ethylbenzene	0.943	mg/kg	0.0011	ND
Isopropylbenzene	0.943	mg/kg	0.0011	ND
m&p-Xylenes	0.943	mg/kg	0.0016	ND
Methyl Acetate	0.943	mg/kg	0.0022	ND
Methylcyclohexane	0.943	mg/kg	0.0022	ND
Methylene chloride	0.943	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.943	mg/kg	0.0011	ND
o-Xylene	0.943	mg/kg	0.0011	ND
Styrene	0.943	mg/kg	0.0022	ND
Tetrachloroethene	0.943	mg/kg	0.0022	ND
Toluene	0.943	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.943	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.943	mg/kg	0.0022	ND
Trichloroethene	0.943	mg/kg	0.0022	ND
Trichlorofluoromethane	0.943	mg/kg	0.0022	ND
Vinyl chloride	0.943	mg/kg	0.0022	ND
Xylenes (Total)	0.943	mg/kg	0.0011	ND

Sample ID: SB-05-0-2.0' DUP
Lab#: AD48435-014
Matrix: Soil
Collection Date: 11/26/2024
Receipt Date: 11/27/2024

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**85**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.098**	**1.1**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0059	ND
Aldrin	1	mg/kg	0.0059	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0059	ND
delta-BHC	1	mg/kg	0.0059	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0059	ND
Endosulfan II	1	mg/kg	0.0059	ND
Endosulfan Sulfate	1	mg/kg	0.0059	ND
Endrin	1	mg/kg	0.0059	ND
Endrin Aldehyde	1	mg/kg	0.0059	ND
Endrin Ketone	1	mg/kg	0.0059	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0059	ND
Heptachlor Epoxide	1	mg/kg	0.0059	ND
Methoxychlor	1	mg/kg	0.0059	ND
p,p'-DDD	1	mg/kg	0.0029	ND
p,p'-DDE	**1**	**mg/kg**	**0.0029**	**0.019**
p,p'-DDT	1	mg/kg	0.0029	ND
Toxaphene	1	mg/kg	0.029	ND
y-Chlordane	1	mg/kg	0.0059	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.029**	**0.086**
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	**1**	**mg/kg**	**0.029**	**0.086**
Aroclor-1268	1	mg/kg	0.029	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.12	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.12	ND
1,4-Dioxane	3	mg/kg	0.12	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.12	ND
2,4,5-Trichlorophenol	3	mg/kg	0.12	ND
2,4,6-Trichlorophenol	3	mg/kg	0.12	ND
2,4-Dichlorophenol	3	mg/kg	0.12	ND
2,4-Dimethylphenol	3	mg/kg	0.12	ND
2,4-Dinitrophenol	3	mg/kg	0.59	ND

Sample ID:	**SB-05-0-2.0' DUP**
Lab#:	**AD48435-014**
Matrix:	**Soil**
Collection Date:	**11/26/2024**
Receipt Date:	**11/27/2024**

2,4-Dinitrotoluene	3	mg/kg	0.12	ND
2,6-Dinitrotoluene	3	mg/kg	0.12	ND
2-Chloronaphthalene	3	mg/kg	0.12	ND
2-Chlorophenol	3	mg/kg	0.12	ND
2-Methylnaphthalene	3	mg/kg	0.12	ND
2-Methylphenol	3	mg/kg	0.12	ND
2-Nitroaniline	3	mg/kg	0.12	ND
2-Nitrophenol	3	mg/kg	0.12	ND
3&4-Methylphenol	3	mg/kg	0.12	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.12	ND
3-Nitroaniline	3	mg/kg	0.12	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.59	ND
4-Bromophenyl-phenylether	3	mg/kg	0.12	ND
4-Chloro-3-methylphenol	3	mg/kg	0.12	ND
4-Chloroaniline	3	mg/kg	0.12	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.12	ND
4-Nitroaniline	3	mg/kg	0.12	ND
4-Nitrophenol	3	mg/kg	0.12	ND
Acenaphthene	3	mg/kg	0.12	ND
Acenaphthylene	3	mg/kg	0.12	ND
Acetophenone	3	mg/kg	0.12	ND
Anthracene	**3**	**mg/kg**	**0.12**	**0.41**
Atrazine	3	mg/kg	0.12	ND
Benzaldehyde	3	mg/kg	0.12	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.12**	**1.8**
Benzo[a]pyrene	**3**	**mg/kg**	**0.12**	**1.5**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.12**	**2.1**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.12**	**1.1**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.12**	**0.72**
bis(2-Chloroethoxy)methane	3	mg/kg	0.12	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.045	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.12	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.12	ND
Butylbenzylphthalate	3	mg/kg	0.12	ND
Caprolactam	3	mg/kg	0.12	ND
Carbazole	**3**	**mg/kg**	**0.12**	**0.12**
Chrysene	**3**	**mg/kg**	**0.12**	**1.9**
Dibenzo[a,h]anthracene	**3**	**mg/kg**	**0.12**	**0.28**
Dibenzofuran	3	mg/kg	0.12	ND
Diethylphthalate	3	mg/kg	0.12	ND
Dimethylphthalate	3	mg/kg	0.12	ND
Di-n-butylphthalate	3	mg/kg	0.59	ND
Di-n-octylphthalate	3	mg/kg	0.12	ND
Fluoranthene	**3**	**mg/kg**	**0.12**	**3.5**
Fluorene	3	mg/kg	0.12	ND
Hexachlorobenzene	3	mg/kg	0.12	ND
Hexachlorobutadiene	3	mg/kg	0.12	ND
Hexachlorocyclopentadiene	3	mg/kg	0.59	ND
Hexachloroethane	3	mg/kg	0.12	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.12**	**1.2**
Isophorone	3	mg/kg	0.12	ND
Naphthalene	3	mg/kg	0.12	ND
Nitrobenzene	3	mg/kg	0.12	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.12	ND
N-Nitrosodiphenylamine	3	mg/kg	0.12	ND
Pentachlorophenol	3	mg/kg	0.59	ND
Phenanthrene	**3**	**mg/kg**	**0.12**	**2.3**

Sample ID: SB-05-0-2.0' DUP | **Collection Date:** 11/26/2024
Lab#: AD48435-014 | **Receipt Date:** 11/27/2024
Matrix: Soil

Phenol	3	mg/kg	0.12	ND
Pyrene	**3**	**mg/kg**	**0.12**	**3.2**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**24**	**6700**
Antimony	**1**	**mg/kg**	**0.35**	**39**
Arsenic	**1**	**mg/kg**	**0.24**	**10**
Barium	**1**	**mg/kg**	**0.59**	**280**
Beryllium	**1**	**mg/kg**	**0.12**	**0.41**
Cadmium	**1**	**mg/kg**	**0.24**	**1.3**
Calcium	**1**	**mg/kg**	**120**	**8000**
Chromium	**1**	**mg/kg**	**0.24**	**22**
Cobalt	**1**	**mg/kg**	**0.24**	**6.2**
Copper	**1**	**mg/kg**	**1.2**	**160**
Iron	**1**	**mg/kg**	**35**	**20000**
Lead	**1**	**mg/kg**	**0.35**	**450**
Magnesium	**1**	**mg/kg**	**120**	**4600**
Manganese	**1**	**mg/kg**	**1.2**	**410**
Nickel	**1**	**mg/kg**	**1.2**	**20**
Potassium	**1**	**mg/kg**	**120**	**830**
Selenium	**1**	**mg/kg**	**1.2**	**2.3**
Silver	**1**	**mg/kg**	**0.24**	**0.86**
Sodium	1	mg/kg	120	ND
Thallium	1	mg/kg	0.24	ND
Vanadium	**1**	**mg/kg**	**0.24**	**26**
Zinc	**1**	**mg/kg**	**4.7**	**460**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.917	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.917	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.917	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.917	mg/kg	0.0022	ND
1,1-Dichloroethane	0.917	mg/kg	0.0022	ND
1,1-Dichloroethene	0.917	mg/kg	0.0022	ND
1,2,3-Trichlorobenzene	0.917	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	0.917	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	0.917	mg/kg	0.0022	ND
1,2-Dibromoethane	0.917	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.917	mg/kg	0.0022	ND
1,2-Dichloroethane	0.917	mg/kg	0.0022	ND
1,2-Dichloropropane	0.917	mg/kg	0.0022	ND
1,3-Dichlorobenzene	0.917	mg/kg	0.0022	ND
1,3-Dichloropropene (Total)	0.917	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.917	mg/kg	0.0022	ND
1,4-Dioxane	0.917	mg/kg	0.11	ND
2-Butanone	0.917	mg/kg	0.0022	ND
2-Hexanone	0.917	mg/kg	0.0022	ND
4-Methyl-2-pentanone	0.917	mg/kg	0.0022	ND
Acetone	0.917	mg/kg	0.011	ND
Benzene	0.917	mg/kg	0.0011	ND
Bromochloromethane	0.917	mg/kg	0.0022	ND
Bromodichloromethane	0.917	mg/kg	0.0022	ND
Bromoform	0.917	mg/kg	0.0022	ND
Bromomethane	0.917	mg/kg	0.0022	ND
Carbon disulfide	0.917	mg/kg	0.0054	ND

Sample ID: SB-05-0-2.0' DUP
Lab#: AD48435-014
Matrix: Soil
Collection Date: 11/26/2024
Receipt Date: 11/27/2024

Carbon tetrachloride	0.917	mg/kg	0.0022	ND
Chlorobenzene	0.917	mg/kg	0.0022	ND
Chloroethane	0.917	mg/kg	0.0022	ND
Chloroform	0.917	mg/kg	0.0022	ND
Chloromethane	0.917	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.917	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.917	mg/kg	0.0022	ND
Cyclohexane	0.917	mg/kg	0.0022	ND
Dibromochloromethane	0.917	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.917	mg/kg	0.0022	ND
Ethylbenzene	0.917	mg/kg	0.0011	ND
Isopropylbenzene	0.917	mg/kg	0.0011	ND
m&p-Xylenes	0.917	mg/kg	0.0015	ND
Methyl Acetate	0.917	mg/kg	0.0022	ND
Methylcyclohexane	0.917	mg/kg	0.0022	ND
Methylene chloride	0.917	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.917	mg/kg	0.0011	ND
o-Xylene	0.917	mg/kg	0.0011	ND
Styrene	0.917	mg/kg	0.0022	ND
Tetrachloroethene	0.917	mg/kg	0.0022	ND
Toluene	0.917	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.917	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.917	mg/kg	0.0022	ND
Trichloroethene	0.917	mg/kg	0.0022	ND
Trichlorofluoromethane	0.917	mg/kg	0.0022	ND
Vinyl chloride	0.917	mg/kg	0.0022	ND
Xylenes (Total)	0.917	mg/kg	0.0011	ND

Sample ID: SB-07-0-2.0' | **Collection Date:** 11/26/2024
Lab#: AD48435-015 | **Receipt Date:** 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**88**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.095**	**0.69**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0057	ND
Aldrin	1	mg/kg	0.0057	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane (Total)	1	mg/kg	0.0057	ND
delta-BHC	1	mg/kg	0.0057	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0057	ND
Endosulfan II	1	mg/kg	0.0057	ND
Endosulfan Sulfate	1	mg/kg	0.0057	ND
Endrin	1	mg/kg	0.0057	ND
Endrin Aldehyde	1	mg/kg	0.0057	ND
Endrin Ketone	1	mg/kg	0.0057	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0057	ND
Heptachlor Epoxide	1	mg/kg	0.0057	ND
Methoxychlor	1	mg/kg	0.0057	ND
p,p'-DDD	1	mg/kg	0.0028	ND
p,p'-DDE	**1**	**mg/kg**	**0.0028**	**0.0048**
p,p'-DDT	1	mg/kg	0.0028	ND
Toxaphene	1	mg/kg	0.028	ND
y-Chlordane	1	mg/kg	0.0057	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.028**	**0.039**
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	**1**	**mg/kg**	**0.028**	**0.039**
Aroclor-1268	1	mg/kg	0.028	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.11	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.11	ND
1,4-Dioxane	3	mg/kg	0.11	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.11	ND
2,4,5-Trichlorophenol	3	mg/kg	0.11	ND
2,4,6-Trichlorophenol	3	mg/kg	0.11	ND
2,4-Dichlorophenol	3	mg/kg	0.11	ND
2,4-Dimethylphenol	3	mg/kg	0.11	ND
2,4-Dinitrophenol	3	mg/kg	0.57	ND

Sample ID:	**SB-07-0-2.0'**
Lab#:	**AD48435-015**
Matrix:	**Soil**
Collection Date:	**11/26/2024**
Receipt Date:	**11/27/2024**

2,4-Dinitrotoluene	3	mg/kg	0.11	ND
2,6-Dinitrotoluene	3	mg/kg	0.11	ND
2-Chloronaphthalene	3	mg/kg	0.11	ND
2-Chlorophenol	3	mg/kg	0.11	ND
2-Methylnaphthalene	**3**	**mg/kg**	**0.11**	**0.12**
2-Methylphenol	3	mg/kg	0.11	ND
2-Nitroaniline	3	mg/kg	0.11	ND
2-Nitrophenol	3	mg/kg	0.11	ND
3&4-Methylphenol	3	mg/kg	0.11	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.11	ND
3-Nitroaniline	3	mg/kg	0.11	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.57	ND
4-Bromophenyl-phenylether	3	mg/kg	0.11	ND
4-Chloro-3-methylphenol	3	mg/kg	0.11	ND
4-Chloroaniline	3	mg/kg	0.11	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.11	ND
4-Nitroaniline	3	mg/kg	0.11	ND
4-Nitrophenol	3	mg/kg	0.11	ND
Acenaphthene	3	mg/kg	0.11	ND
Acenaphthylene	3	mg/kg	0.11	ND
Acetophenone	3	mg/kg	0.11	ND
Anthracene	3	mg/kg	0.11	ND
Atrazine	3	mg/kg	0.11	ND
Benzaldehyde	3	mg/kg	0.11	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.11**	**0.44**
Benzo[a]pyrene	**3**	**mg/kg**	**0.11**	**0.47**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.11**	**0.63**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.11**	**0.36**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.11**	**0.20**
bis(2-Chloroethoxy)methane	3	mg/kg	0.11	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.043	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.11	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.11	ND
Butylbenzylphthalate	3	mg/kg	0.11	ND
Caprolactam	3	mg/kg	0.11	ND
Carbazole	3	mg/kg	0.11	ND
Chrysene	**3**	**mg/kg**	**0.11**	**0.46**
Dibenzo[a,h]anthracene	3	mg/kg	0.11	ND
Dibenzofuran	3	mg/kg	0.11	ND
Diethylphthalate	3	mg/kg	0.11	ND
Dimethylphthalate	3	mg/kg	0.11	ND
Di-n-butylphthalate	3	mg/kg	0.57	ND
Di-n-octylphthalate	3	mg/kg	0.11	ND
Fluoranthene	**3**	**mg/kg**	**0.11**	**0.67**
Fluorene	3	mg/kg	0.11	ND
Hexachlorobenzene	3	mg/kg	0.11	ND
Hexachlorobutadiene	3	mg/kg	0.11	ND
Hexachlorocyclopentadiene	3	mg/kg	0.57	ND
Hexachloroethane	3	mg/kg	0.11	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.11**	**0.37**
Isophorone	3	mg/kg	0.11	ND
Naphthalene	3	mg/kg	0.11	ND
Nitrobenzene	3	mg/kg	0.11	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.11	ND
N-Nitrosodiphenylamine	3	mg/kg	0.11	ND
Pentachlorophenol	3	mg/kg	0.57	ND
Phenanthrene	**3**	**mg/kg**	**0.11**	**0.37**

Sample ID:	**SB-07-0-2.0'**	**Collection Date:**	**11/26/2024**
Lab#:	**AD48435-015**	**Receipt Date:**	**11/27/2024**
Matrix:	**Soil**		

Phenol	3	mg/kg	0.11	ND
Pyrene	**3**	**mg/kg**	**0.11**	**0.63**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**23**	**6800**
Antimony	**1**	**mg/kg**	**0.34**	**1.1**
Arsenic	**1**	**mg/kg**	**0.23**	**7.1**
Barium	**1**	**mg/kg**	**0.57**	**180**
Beryllium	**1**	**mg/kg**	**0.11**	**0.38**
Cadmium	**1**	**mg/kg**	**0.23**	**0.52**
Calcium	**1**	**mg/kg**	**110**	**2300**
Chromium	**1**	**mg/kg**	**0.23**	**20**
Cobalt	**1**	**mg/kg**	**0.23**	**5.6**
Copper	**1**	**mg/kg**	**1.1**	**120**
Iron	**1**	**mg/kg**	**34**	**18000**
Lead	**1**	**mg/kg**	**0.34**	**300**
Magnesium	**1**	**mg/kg**	**110**	**2100**
Manganese	**1**	**mg/kg**	**1.1**	**330**
Nickel	**1**	**mg/kg**	**1.1**	**16**
Potassium	**1**	**mg/kg**	**110**	**1100**
Selenium	**1**	**mg/kg**	**1.1**	**2.3**
Silver	**1**	**mg/kg**	**0.23**	**0.36**
Sodium	1	mg/kg	110	ND
Thallium	1	mg/kg	0.23	ND
Vanadium	**1**	**mg/kg**	**0.23**	**23**
Zinc	**1**	**mg/kg**	**4.5**	**250**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.938	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.938	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.938	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.938	mg/kg	0.0021	ND
1,1-Dichloroethane	0.938	mg/kg	0.0021	ND
1,1-Dichloroethene	0.938	mg/kg	0.0021	ND
1,2,3-Trichlorobenzene	0.938	mg/kg	0.0021	ND
1,2,4-Trichlorobenzene	0.938	mg/kg	0.0021	ND
1,2-Dibromo-3-chloropropane	0.938	mg/kg	0.0021	ND
1,2-Dibromoethane	0.938	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.938	mg/kg	0.0021	ND
1,2-Dichloroethane	0.938	mg/kg	0.0021	ND
1,2-Dichloropropane	0.938	mg/kg	0.0021	ND
1,3-Dichlorobenzene	0.938	mg/kg	0.0021	ND
1,3-Dichloropropene (Total)	0.938	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.938	mg/kg	0.0021	ND
1,4-Dioxane	0.938	mg/kg	0.11	ND
2-Butanone	0.938	mg/kg	0.0021	ND
2-Hexanone	0.938	mg/kg	0.0021	ND
4-Methyl-2-pentanone	0.938	mg/kg	0.0021	ND
Acetone	0.938	mg/kg	0.011	ND
Benzene	0.938	mg/kg	0.0011	ND
Bromochloromethane	0.938	mg/kg	0.0021	ND
Bromodichloromethane	0.938	mg/kg	0.0021	ND
Bromoform	0.938	mg/kg	0.0021	ND
Bromomethane	0.938	mg/kg	0.0021	ND
Carbon disulfide	0.938	mg/kg	0.0053	ND

Sample ID: SB-07-0-2.0' **Collection Date:** 11/26/2024
Lab#: AD48435-015 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.938	mg/kg	0.0021	ND
Chlorobenzene	0.938	mg/kg	0.0021	ND
Chloroethane	0.938	mg/kg	0.0021	ND
Chloroform	0.938	mg/kg	0.0021	ND
Chloromethane	0.938	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.938	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.938	mg/kg	0.0021	ND
Cyclohexane	0.938	mg/kg	0.0021	ND
Dibromochloromethane	0.938	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.938	mg/kg	0.0021	ND
Ethylbenzene	0.938	mg/kg	0.0011	ND
Isopropylbenzene	0.938	mg/kg	0.0011	ND
m&p-Xylenes	0.938	mg/kg	0.0015	ND
Methyl Acetate	0.938	mg/kg	0.0021	ND
Methylcyclohexane	0.938	mg/kg	0.0021	ND
Methylene chloride	0.938	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.938	mg/kg	0.0011	ND
o-Xylene	0.938	mg/kg	0.0011	ND
Styrene	0.938	mg/kg	0.0021	ND
Tetrachloroethene	0.938	mg/kg	0.0021	ND
Toluene	0.938	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.938	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.938	mg/kg	0.0021	ND
Trichloroethene	0.938	mg/kg	0.0021	ND
Trichlorofluoromethane	0.938	mg/kg	0.0021	ND
Vinyl chloride	0.938	mg/kg	0.0021	ND
Xylenes (Total)	0.938	mg/kg	0.0011	ND

Sample ID: SB-23-0-2.0' **Collection Date:** 11/26/2024
Lab#: AD48435-016 **Receipt Date:** 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**85**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.098**	**1.2**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0059	ND
Aldrin	1	mg/kg	0.0059	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0059	ND
delta-BHC	1	mg/kg	0.0059	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0059	ND
Endosulfan II	1	mg/kg	0.0059	ND
Endosulfan Sulfate	1	mg/kg	0.0059	ND
Endrin	1	mg/kg	0.0059	ND
Endrin Aldehyde	1	mg/kg	0.0059	ND
Endrin Ketone	1	mg/kg	0.0059	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0059	ND
Heptachlor Epoxide	1	mg/kg	0.0059	ND
Methoxychlor	1	mg/kg	0.0059	ND
p,p'-DDD	1	mg/kg	0.0029	ND
p,p'-DDE	**1**	**mg/kg**	**0.0029**	**0.0039**
p,p'-DDT	**1**	**mg/kg**	**0.0029**	**0.0059**
Toxaphene	1	mg/kg	0.029	ND
y-Chlordane	1	mg/kg	0.0059	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.029**	**0.041**
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	**1**	**mg/kg**	**0.029**	**0.041**
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	5	mg/kg	0.20	ND
1,2,4,5-Tetrachlorobenzene	5	mg/kg	0.20	ND
1,4-Dioxane	5	mg/kg	0.20	ND
2,3,4,6-Tetrachlorophenol	5	mg/kg	0.20	ND
2,4,5-Trichlorophenol	5	mg/kg	0.20	ND
2,4,6-Trichlorophenol	5	mg/kg	0.20	ND
2,4-Dichlorophenol	5	mg/kg	0.20	ND
2,4-Dimethylphenol	5	mg/kg	0.20	ND
2,4-Dinitrophenol	5	mg/kg	0.98	ND

Sample ID:	**SB-23-0-2.0'**		**Collection Date:**	**11/26/2024**
Lab#:	**AD48435-016**		**Receipt Date:**	**11/27/2024**
Matrix:	**Soil**			

2,4-Dinitrotoluene	5	mg/kg	0.20	ND
2,6-Dinitrotoluene	5	mg/kg	0.20	ND
2-Chloronaphthalene	5	mg/kg	0.20	ND
2-Chlorophenol	5	mg/kg	0.20	ND
2-Methylnaphthalene	5	mg/kg	0.20	ND
2-Methylphenol	5	mg/kg	0.20	ND
2-Nitroaniline	5	mg/kg	0.20	ND
2-Nitrophenol	5	mg/kg	0.20	ND
3&4-Methylphenol	5	mg/kg	0.20	ND
3,3'-Dichlorobenzidine	5	mg/kg	0.20	ND
3-Nitroaniline	5	mg/kg	0.20	ND
4,6-Dinitro-2-methylphenol	5	mg/kg	0.98	ND
4-Bromophenyl-phenylether	5	mg/kg	0.20	ND
4-Chloro-3-methylphenol	5	mg/kg	0.20	ND
4-Chloroaniline	5	mg/kg	0.20	ND
4-Chlorophenyl-phenylether	5	mg/kg	0.20	ND
4-Nitroaniline	5	mg/kg	0.20	ND
4-Nitrophenol	5	mg/kg	0.20	ND
Acenaphthene	**5**	**mg/kg**	**0.20**	**0.25**
Acenaphthylene	5	mg/kg	0.20	ND
Acetophenone	5	mg/kg	0.20	ND
Anthracene	**5**	**mg/kg**	**0.20**	**0.36**
Atrazine	5	mg/kg	0.20	ND
Benzaldehyde	5	mg/kg	0.20	ND
Benzo[a]anthracene	**5**	**mg/kg**	**0.20**	**1.6**
Benzo[a]pyrene	**5**	**mg/kg**	**0.20**	**1.5**
Benzo[b]fluoranthene	**5**	**mg/kg**	**0.20**	**2.0**
Benzo[g,h,i]perylene	**5**	**mg/kg**	**0.20**	**0.95**
Benzo[k]fluoranthene	**5**	**mg/kg**	**0.20**	**0.69**
bis(2-Chloroethoxy)methane	5	mg/kg	0.20	ND
bis(2-Chloroethyl)ether	5	mg/kg	0.075	ND
bis(2-Chloroisopropyl)ether	5	mg/kg	0.20	ND
bis(2-Ethylhexyl)phthalate	5	mg/kg	0.20	ND
Butylbenzylphthalate	5	mg/kg	0.20	ND
Caprolactam	5	mg/kg	0.20	ND
Carbazole	5	mg/kg	0.20	ND
Chrysene	**5**	**mg/kg**	**0.20**	**1.6**
Dibenzo[a,h]anthracene	**5**	**mg/kg**	**0.20**	**0.27**
Dibenzofuran	5	mg/kg	0.20	ND
Diethylphthalate	5	mg/kg	0.20	ND
Dimethylphthalate	5	mg/kg	0.20	ND
Di-n-butylphthalate	5	mg/kg	0.98	ND
Di-n-octylphthalate	5	mg/kg	0.20	ND
Fluoranthene	**5**	**mg/kg**	**0.20**	**2.5**
Fluorene	5	mg/kg	0.20	ND
Hexachlorobenzene	5	mg/kg	0.20	ND
Hexachlorobutadiene	5	mg/kg	0.20	ND
Hexachlorocyclopentadiene	5	mg/kg	0.98	ND
Hexachloroethane	5	mg/kg	0.20	ND
Indeno[1,2,3-cd]pyrene	**5**	**mg/kg**	**0.20**	**1.1**
Isophorone	5	mg/kg	0.20	ND
Naphthalene	5	mg/kg	0.20	ND
Nitrobenzene	5	mg/kg	0.20	ND
N-Nitroso-di-n-propylamine	5	mg/kg	0.20	ND
N-Nitrosodiphenylamine	5	mg/kg	0.20	ND
Pentachlorophenol	5	mg/kg	0.98	ND
Phenanthrene	**5**	**mg/kg**	**0.20**	**1.2**

Sample ID:	**SB-23-0-2.0'**	**Collection Date:**	**11/26/2024**
Lab#:	**AD48435-016**	**Receipt Date:**	**11/27/2024**
Matrix:	**Soil**		

Phenol	5	mg/kg	0.20	ND
Pyrene	**5**	**mg/kg**	**0.20**	**2.3**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**24**	**8000**
Antimony	**1**	**mg/kg**	**0.35**	**1.8**
Arsenic	**1**	**mg/kg**	**0.24**	**11**
Barium	**1**	**mg/kg**	**0.59**	**260**
Beryllium	**1**	**mg/kg**	**0.12**	**0.51**
Cadmium	**1**	**mg/kg**	**0.24**	**1.0**
Calcium	**1**	**mg/kg**	**120**	**5000**
Chromium	**1**	**mg/kg**	**0.24**	**25**
Cobalt	**1**	**mg/kg**	**0.24**	**8.4**
Copper	**1**	**mg/kg**	**1.2**	**160**
Iron	**1**	**mg/kg**	**35**	**26000**
Lead	**1**	**mg/kg**	**0.35**	**510**
Magnesium	**1**	**mg/kg**	**120**	**2600**
Manganese	**1**	**mg/kg**	**1.2**	**500**
Nickel	**1**	**mg/kg**	**1.2**	**23**
Potassium	**1**	**mg/kg**	**120**	**1300**
Selenium	**1**	**mg/kg**	**1.2**	**3.4**
Silver	**1**	**mg/kg**	**0.24**	**0.47**
Sodium	**1**	**mg/kg**	**120**	**150**
Thallium	1	mg/kg	0.24	ND
Vanadium	**1**	**mg/kg**	**0.24**	**29**
Zinc	**1**	**mg/kg**	**4.7**	**430**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.874	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.874	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.874	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.874	mg/kg	0.0021	ND
1,1-Dichloroethane	0.874	mg/kg	0.0021	ND
1,1-Dichloroethene	0.874	mg/kg	0.0021	ND
1,2,3-Trichlorobenzene	0.874	mg/kg	0.0021	ND
1,2,4-Trichlorobenzene	0.874	mg/kg	0.0021	ND
1,2-Dibromo-3-chloropropane	0.874	mg/kg	0.0021	ND
1,2-Dibromoethane	0.874	mg/kg	0.0010	ND
1,2-Dichlorobenzene	0.874	mg/kg	0.0021	ND
1,2-Dichloroethane	0.874	mg/kg	0.0021	ND
1,2-Dichloropropane	0.874	mg/kg	0.0021	ND
1,3-Dichlorobenzene	0.874	mg/kg	0.0021	ND
1,3-Dichloropropene (Total)	0.874	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.874	mg/kg	0.0021	ND
1,4-Dioxane	0.874	mg/kg	0.10	ND
2-Butanone	0.874	mg/kg	0.0021	ND
2-Hexanone	0.874	mg/kg	0.0021	ND
4-Methyl-2-pentanone	0.874	mg/kg	0.0021	ND
Acetone	0.874	mg/kg	0.010	ND
Benzene	0.874	mg/kg	0.0010	ND
Bromochloromethane	0.874	mg/kg	0.0021	ND
Bromodichloromethane	0.874	mg/kg	0.0021	ND
Bromoform	0.874	mg/kg	0.0021	ND
Bromomethane	0.874	mg/kg	0.0021	ND
Carbon disulfide	0.874	mg/kg	0.0051	ND

Sample ID: SB-23-0-2.0' **Collection Date:** 11/26/2024
Lab#: AD48435-016 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.874	mg/kg	0.0021	ND
Chlorobenzene	0.874	mg/kg	0.0021	ND
Chloroethane	0.874	mg/kg	0.0021	ND
Chloroform	0.874	mg/kg	0.0021	ND
Chloromethane	0.874	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.874	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.874	mg/kg	0.0021	ND
Cyclohexane	0.874	mg/kg	0.0021	ND
Dibromochloromethane	0.874	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.874	mg/kg	0.0021	ND
Ethylbenzene	0.874	mg/kg	0.0010	ND
Isopropylbenzene	0.874	mg/kg	0.0010	ND
m&p-Xylenes	0.874	mg/kg	0.0014	ND
Methyl Acetate	0.874	mg/kg	0.0021	ND
Methylcyclohexane	0.874	mg/kg	0.0021	ND
Methylene chloride	0.874	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.874	mg/kg	0.0010	ND
o-Xylene	0.874	mg/kg	0.0010	ND
Styrene	0.874	mg/kg	0.0021	ND
Tetrachloroethene	0.874	mg/kg	0.0021	ND
Toluene	0.874	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.874	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.874	mg/kg	0.0021	ND
Trichloroethene	0.874	mg/kg	0.0021	ND
Trichlorofluoromethane	0.874	mg/kg	0.0021	ND
Vinyl chloride	0.874	mg/kg	0.0021	ND
Xylenes (Total)	0.874	mg/kg	0.0010	ND

Sample ID: SB-24-0-2.0' | **Collection Date:** 11/26/2024
Lab#: AD48435-017 | **Receipt Date:** 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		88

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.095	0.73

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0057	ND
Aldrin	1	mg/kg	0.0057	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane (Total)	1	mg/kg	0.0057	ND
delta-BHC	1	mg/kg	0.0057	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0057	ND
Endosulfan II	1	mg/kg	0.0057	ND
Endosulfan Sulfate	1	mg/kg	0.0057	ND
Endrin	1	mg/kg	0.0057	ND
Endrin Aldehyde	1	mg/kg	0.0057	ND
Endrin Ketone	1	mg/kg	0.0057	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0057	ND
Heptachlor Epoxide	1	mg/kg	0.0057	ND
Methoxychlor	1	mg/kg	0.0057	ND
p,p'-DDD	1	mg/kg	0.0028	ND
p,p'-DDE	**1**	**mg/kg**	**0.0028**	**0.0075**
p,p'-DDT	**1**	**mg/kg**	**0.0028**	**0.0031d**
Toxaphene	1	mg/kg	0.028	ND
y-Chlordane	1	mg/kg	0.0057	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.028	ND
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.11	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.11	ND
1,4-Dioxane	3	mg/kg	0.11	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.11	ND
2,4,5-Trichlorophenol	3	mg/kg	0.11	ND
2,4,6-Trichlorophenol	3	mg/kg	0.11	ND
2,4-Dichlorophenol	3	mg/kg	0.11	ND
2,4-Dimethylphenol	3	mg/kg	0.11	ND
2,4-Dinitrophenol	3	mg/kg	0.57	ND

Sample ID:	**SB-24-0-2.0'**
Lab#:	**AD48435-017**
Matrix:	**Soil**
Collection Date:	**11/26/2024**
Receipt Date:	**11/27/2024**

2,4-Dinitrotoluene	3	mg/kg	0.11	ND
2,6-Dinitrotoluene	3	mg/kg	0.11	ND
2-Chloronaphthalene	3	mg/kg	0.11	ND
2-Chlorophenol	3	mg/kg	0.11	ND
2-Methylnaphthalene	3	mg/kg	0.11	ND
2-Methylphenol	3	mg/kg	0.11	ND
2-Nitroaniline	3	mg/kg	0.11	ND
2-Nitrophenol	3	mg/kg	0.11	ND
3&4-Methylphenol	3	mg/kg	0.11	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.11	ND
3-Nitroaniline	3	mg/kg	0.11	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.57	ND
4-Bromophenyl-phenylether	3	mg/kg	0.11	ND
4-Chloro-3-methylphenol	3	mg/kg	0.11	ND
4-Chloroaniline	3	mg/kg	0.11	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.11	ND
4-Nitroaniline	3	mg/kg	0.11	ND
4-Nitrophenol	3	mg/kg	0.11	ND
Acenaphthene	3	mg/kg	0.11	ND
Acenaphthylene	3	mg/kg	0.11	ND
Acetophenone	3	mg/kg	0.11	ND
Anthracene	**3**	**mg/kg**	**0.11**	**0.14**
Atrazine	3	mg/kg	0.11	ND
Benzaldehyde	3	mg/kg	0.11	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.11**	**0.74**
Benzo[a]pyrene	**3**	**mg/kg**	**0.11**	**0.77**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.11**	**1.1**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.11**	**0.60**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.11**	**0.33**
bis(2-Chloroethoxy)methane	3	mg/kg	0.11	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.043	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.11	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.11	ND
Butylbenzylphthalate	3	mg/kg	0.11	ND
Caprolactam	3	mg/kg	0.11	ND
Carbazole	3	mg/kg	0.11	ND
Chrysene	**3**	**mg/kg**	**0.11**	**0.76**
Dibenzo[a,h]anthracene	**3**	**mg/kg**	**0.11**	**0.15**
Dibenzofuran	3	mg/kg	0.11	ND
Diethylphthalate	3	mg/kg	0.11	ND
Dimethylphthalate	3	mg/kg	0.11	ND
Di-n-butylphthalate	3	mg/kg	0.57	ND
Di-n-octylphthalate	3	mg/kg	0.11	ND
Fluoranthene	**3**	**mg/kg**	**0.11**	**1.2**
Fluorene	3	mg/kg	0.11	ND
Hexachlorobenzene	3	mg/kg	0.11	ND
Hexachlorobutadiene	3	mg/kg	0.11	ND
Hexachlorocyclopentadiene	3	mg/kg	0.57	ND
Hexachloroethane	3	mg/kg	0.11	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.11**	**0.62**
Isophorone	3	mg/kg	0.11	ND
Naphthalene	3	mg/kg	0.11	ND
Nitrobenzene	3	mg/kg	0.11	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.11	ND
N-Nitrosodiphenylamine	3	mg/kg	0.11	ND
Pentachlorophenol	3	mg/kg	0.57	ND
Phenanthrene	**3**	**mg/kg**	**0.11**	**0.57**

Sample ID:	**SB-24-0-2.0'**	**Collection Date:**	**11/26/2024**
Lab#:	**AD48435-017**	**Receipt Date:**	**11/27/2024**
Matrix:	**Soil**		

Phenol	3	mg/kg	0.11	ND
Pyrene	**3**	**mg/kg**	**0.11**	**1.2**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**23**	**8000**
Antimony	**1**	**mg/kg**	**0.34**	**1.0**
Arsenic	**1**	**mg/kg**	**0.23**	**9.4**
Barium	**1**	**mg/kg**	**0.57**	**220**
Beryllium	**1**	**mg/kg**	**0.11**	**0.42**
Cadmium	**1**	**mg/kg**	**0.23**	**0.72**
Calcium	**1**	**mg/kg**	**110**	**3700**
Chromium	**1**	**mg/kg**	**0.23**	**22**
Cobalt	**1**	**mg/kg**	**0.23**	**6.8**
Copper	**1**	**mg/kg**	**1.1**	**120**
Iron	**1**	**mg/kg**	**34**	**20000**
Lead	**1**	**mg/kg**	**0.34**	**300**
Magnesium	**1**	**mg/kg**	**110**	**2700**
Manganese	**1**	**mg/kg**	**1.1**	**420**
Nickel	**1**	**mg/kg**	**1.1**	**29**
Potassium	**1**	**mg/kg**	**110**	**1200**
Selenium	**1**	**mg/kg**	**1.1**	**2.6**
Silver	**1**	**mg/kg**	**0.23**	**0.37**
Sodium	1	mg/kg	110	ND
Thallium	1	mg/kg	0.23	ND
Vanadium	**1**	**mg/kg**	**0.23**	**26**
Zinc	**1**	**mg/kg**	**4.5**	**310**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.911	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.911	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.911	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.911	mg/kg	0.0021	ND
1,1-Dichloroethane	0.911	mg/kg	0.0021	ND
1,1-Dichloroethene	0.911	mg/kg	0.0021	ND
1,2,3-Trichlorobenzene	0.911	mg/kg	0.0021	ND
1,2,4-Trichlorobenzene	0.911	mg/kg	0.0021	ND
1,2-Dibromo-3-chloropropane	0.911	mg/kg	0.0021	ND
1,2-Dibromoethane	0.911	mg/kg	0.0010	ND
1,2-Dichlorobenzene	0.911	mg/kg	0.0021	ND
1,2-Dichloroethane	0.911	mg/kg	0.0021	ND
1,2-Dichloropropane	0.911	mg/kg	0.0021	ND
1,3-Dichlorobenzene	0.911	mg/kg	0.0021	ND
1,3-Dichloropropene (Total)	0.911	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.911	mg/kg	0.0021	ND
1,4-Dioxane	0.911	mg/kg	0.10	ND
2-Butanone	0.911	mg/kg	0.0021	ND
2-Hexanone	0.911	mg/kg	0.0021	ND
4-Methyl-2-pentanone	0.911	mg/kg	0.0021	ND
Acetone	0.911	mg/kg	0.010	ND
Benzene	0.911	mg/kg	0.0010	ND
Bromochloromethane	0.911	mg/kg	0.0021	ND
Bromodichloromethane	0.911	mg/kg	0.0021	ND
Bromoform	0.911	mg/kg	0.0021	ND
Bromomethane	0.911	mg/kg	0.0021	ND
Carbon disulfide	0.911	mg/kg	0.0052	ND

Sample ID: SB-24-0-2.0' **Collection Date:** 11/26/2024
Lab#: AD48435-017 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.911	mg/kg	0.0021	ND
Chlorobenzene	0.911	mg/kg	0.0021	ND
Chloroethane	0.911	mg/kg	0.0021	ND
Chloroform	0.911	mg/kg	0.0021	ND
Chloromethane	0.911	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.911	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.911	mg/kg	0.0021	ND
Cyclohexane	0.911	mg/kg	0.0021	ND
Dibromochloromethane	0.911	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.911	mg/kg	0.0021	ND
Ethylbenzene	0.911	mg/kg	0.0010	ND
Isopropylbenzene	0.911	mg/kg	0.0010	ND
m&p-Xylenes	0.911	mg/kg	0.0014	ND
Methyl Acetate	0.911	mg/kg	0.0021	ND
Methylcyclohexane	0.911	mg/kg	0.0021	ND
Methylene chloride	0.911	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.911	mg/kg	0.0010	ND
o-Xylene	0.911	mg/kg	0.0010	ND
Styrene	0.911	mg/kg	0.0021	ND
Tetrachloroethene	0.911	mg/kg	0.0021	ND
Toluene	0.911	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.911	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.911	mg/kg	0.0021	ND
Trichloroethene	0.911	mg/kg	0.0021	ND
Trichlorofluoromethane	0.911	mg/kg	0.0021	ND
Vinyl chloride	0.911	mg/kg	0.0021	ND
Xylenes (Total)	0.911	mg/kg	0.0010	ND

Sample ID: SB-25-0-2.0' | **Collection Date:** 11/26/2024
Lab#: AD48435-018 | **Receipt Date:** 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.097	0.73

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0058	ND
Aldrin	1	mg/kg	0.0058	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0058	ND
delta-BHC	1	mg/kg	0.0058	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0058	ND
Endosulfan II	1	mg/kg	0.0058	ND
Endosulfan Sulfate	1	mg/kg	0.0058	ND
Endrin	1	mg/kg	0.0058	ND
Endrin Aldehyde	1	mg/kg	0.0058	ND
Endrin Ketone	1	mg/kg	0.0058	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0058	ND
Heptachlor Epoxide	1	mg/kg	0.0058	ND
Methoxychlor	1	mg/kg	0.0058	ND
p,p'-DDD	1	mg/kg	0.0029	ND
p,p'-DDE	**1**	**mg/kg**	**0.0029**	**0.0072**
p,p'-DDT	1	mg/kg	0.0029	ND
Toxaphene	1	mg/kg	0.029	ND
y-Chlordane	1	mg/kg	0.0058	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.12	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.12	ND
1,4-Dioxane	3	mg/kg	0.12	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.12	ND
2,4,5-Trichlorophenol	3	mg/kg	0.12	ND
2,4,6-Trichlorophenol	3	mg/kg	0.12	ND
2,4-Dichlorophenol	3	mg/kg	0.12	ND
2,4-Dimethylphenol	3	mg/kg	0.12	ND
2,4-Dinitrophenol	3	mg/kg	0.58	ND

Sample ID: SB-25-0-2.0' **Collection Date:** 11/26/2024
Lab#: AD48435-018 **Receipt Date:** 11/27/2024
Matrix: Soil

2,4-Dinitrotoluene	3	mg/kg	0.12	ND
2,6-Dinitrotoluene	3	mg/kg	0.12	ND
2-Chloronaphthalene	3	mg/kg	0.12	ND
2-Chlorophenol	3	mg/kg	0.12	ND
2-Methylnaphthalene	3	mg/kg	0.12	ND
2-Methylphenol	3	mg/kg	0.12	ND
2-Nitroaniline	3	mg/kg	0.12	ND
2-Nitrophenol	3	mg/kg	0.12	ND
3&4-Methylphenol	3	mg/kg	0.12	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.12	ND
3-Nitroaniline	3	mg/kg	0.12	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.58	ND
4-Bromophenyl-phenylether	3	mg/kg	0.12	ND
4-Chloro-3-methylphenol	3	mg/kg	0.12	ND
4-Chloroaniline	3	mg/kg	0.12	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.12	ND
4-Nitroaniline	3	mg/kg	0.12	ND
4-Nitrophenol	3	mg/kg	0.12	ND
Acenaphthene	3	mg/kg	0.12	ND
Acenaphthylene	3	mg/kg	0.12	ND
Acetophenone	3	mg/kg	0.12	ND
Anthracene	**3**	**mg/kg**	**0.12**	**0.14**
Atrazine	3	mg/kg	0.12	ND
Benzaldehyde	3	mg/kg	0.12	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.12**	**0.53**
Benzo[a]pyrene	**3**	**mg/kg**	**0.12**	**0.53**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.12**	**0.72**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.12**	**0.42**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.12**	**0.23**
bis(2-Chloroethoxy)methane	3	mg/kg	0.12	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.044	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.12	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.12	ND
Butylbenzylphthalate	3	mg/kg	0.12	ND
Caprolactam	3	mg/kg	0.12	ND
Carbazole	3	mg/kg	0.12	ND
Chrysene	**3**	**mg/kg**	**0.12**	**0.54**
Dibenzo[a,h]anthracene	3	mg/kg	0.12	ND
Dibenzofuran	3	mg/kg	0.12	ND
Diethylphthalate	3	mg/kg	0.12	ND
Dimethylphthalate	3	mg/kg	0.12	ND
Di-n-butylphthalate	3	mg/kg	0.58	ND
Di-n-octylphthalate	3	mg/kg	0.12	ND
Fluoranthene	**3**	**mg/kg**	**0.12**	**0.90**
Fluorene	3	mg/kg	0.12	ND
Hexachlorobenzene	3	mg/kg	0.12	ND
Hexachlorobutadiene	3	mg/kg	0.12	ND
Hexachlorocyclopentadiene	3	mg/kg	0.58	ND
Hexachloroethane	3	mg/kg	0.12	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.12**	**0.44**
Isophorone	3	mg/kg	0.12	ND
Naphthalene	3	mg/kg	0.12	ND
Nitrobenzene	3	mg/kg	0.12	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.12	ND
N-Nitrosodiphenylamine	3	mg/kg	0.12	ND
Pentachlorophenol	3	mg/kg	0.58	ND
Phenanthrene	**3**	**mg/kg**	**0.12**	**0.54**

Sample ID:	**SB-25-0-2.0'**	**Collection Date:**	**11/26/2024**
Lab#:	**AD48435-018**	**Receipt Date:**	**11/27/2024**
Matrix:	**Soil**		

Phenol	3	mg/kg	0.12	ND
Pyrene	**3**	**mg/kg**	**0.12**	**0.84**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**23**	**7900**
Antimony	**1**	**mg/kg**	**0.35**	**1.0**
Arsenic	**1**	**mg/kg**	**0.23**	**10**
Barium	**1**	**mg/kg**	**0.58**	**160**
Beryllium	**1**	**mg/kg**	**0.12**	**0.39**
Cadmium	**1**	**mg/kg**	**0.23**	**0.75**
Calcium	**1**	**mg/kg**	**120**	**2900**
Chromium	**1**	**mg/kg**	**0.23**	**22**
Cobalt	**1**	**mg/kg**	**0.23**	**6.6**
Copper	**1**	**mg/kg**	**1.2**	**99**
Iron	**1**	**mg/kg**	**35**	**27000**
Lead	**1**	**mg/kg**	**0.35**	**340**
Magnesium	**1**	**mg/kg**	**120**	**2600**
Manganese	**1**	**mg/kg**	**1.2**	**420**
Nickel	**1**	**mg/kg**	**1.2**	**19**
Potassium	**1**	**mg/kg**	**120**	**1100**
Selenium	**1**	**mg/kg**	**1.2**	**2.4**
Silver	**1**	**mg/kg**	**0.23**	**0.30**
Sodium	1	mg/kg	120	ND
Thallium	1	mg/kg	0.23	ND
Vanadium	**1**	**mg/kg**	**0.23**	**27**
Zinc	**1**	**mg/kg**	**4.7**	**320**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.923	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.923	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.923	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.923	mg/kg	0.0021	ND
1,1-Dichloroethane	0.923	mg/kg	0.0021	ND
1,1-Dichloroethene	0.923	mg/kg	0.0021	ND
1,2,3-Trichlorobenzene	0.923	mg/kg	0.0021	ND
1,2,4-Trichlorobenzene	0.923	mg/kg	0.0021	ND
1,2-Dibromo-3-chloropropane	0.923	mg/kg	0.0021	ND
1,2-Dibromoethane	0.923	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.923	mg/kg	0.0021	ND
1,2-Dichloroethane	0.923	mg/kg	0.0021	ND
1,2-Dichloropropane	0.923	mg/kg	0.0021	ND
1,3-Dichlorobenzene	0.923	mg/kg	0.0021	ND
1,3-Dichloropropene (Total)	0.923	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.923	mg/kg	0.0021	ND
1,4-Dioxane	0.923	mg/kg	0.11	ND
2-Butanone	0.923	mg/kg	0.0021	ND
2-Hexanone	0.923	mg/kg	0.0021	ND
4-Methyl-2-pentanone	0.923	mg/kg	0.0021	ND
Acetone	0.923	mg/kg	0.011	ND
Benzene	0.923	mg/kg	0.0011	ND
Bromochloromethane	0.923	mg/kg	0.0021	ND
Bromodichloromethane	0.923	mg/kg	0.0021	ND
Bromoform	0.923	mg/kg	0.0021	ND
Bromomethane	0.923	mg/kg	0.0021	ND
Carbon disulfide	0.923	mg/kg	0.0054	ND

Sample ID: SB-25-0-2.0' **Collection Date:** 11/26/2024
Lab#: AD48435-018 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.923	mg/kg	0.0021	ND
Chlorobenzene	0.923	mg/kg	0.0021	ND
Chloroethane	0.923	mg/kg	0.0021	ND
Chloroform	0.923	mg/kg	0.0021	ND
Chloromethane	0.923	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.923	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.923	mg/kg	0.0021	ND
Cyclohexane	0.923	mg/kg	0.0021	ND
Dibromochloromethane	0.923	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.923	mg/kg	0.0021	ND
Ethylbenzene	0.923	mg/kg	0.0011	ND
Isopropylbenzene	0.923	mg/kg	0.0011	ND
m&p-Xylenes	0.923	mg/kg	0.0015	ND
Methyl Acetate	0.923	mg/kg	0.0021	ND
Methylcyclohexane	0.923	mg/kg	0.0021	ND
Methylene chloride	0.923	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.923	mg/kg	0.0011	ND
o-Xylene	0.923	mg/kg	0.0011	ND
Styrene	0.923	mg/kg	0.0021	ND
Tetrachloroethene	0.923	mg/kg	0.0021	ND
Toluene	0.923	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.923	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.923	mg/kg	0.0021	ND
Trichloroethene	0.923	mg/kg	0.0021	ND
Trichlorofluoromethane	0.923	mg/kg	0.0021	ND
Vinyl chloride	0.923	mg/kg	0.0021	ND
Xylenes (Total)	0.923	mg/kg	0.0011	ND

Sample ID: SB-19-0-2.0' **Collection Date:** 11/27/2024
Lab#: AD48435-019 **Receipt Date:** 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**82**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.10**	**0.47**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	10	mg/kg	0.061	ND
Aldrin	10	mg/kg	0.061	ND
Alpha-BHC	10	mg/kg	0.012	ND
beta-BHC	10	mg/kg	0.012	ND
Chlordane (Total)	10	mg/kg	0.061	ND
delta-BHC	10	mg/kg	0.061	ND
Dieldrin	10	mg/kg	0.012	ND
Endosulfan I	10	mg/kg	0.061	ND
Endosulfan II	10	mg/kg	0.061	ND
Endosulfan Sulfate	10	mg/kg	0.061	ND
Endrin	10	mg/kg	0.061	ND
Endrin Aldehyde	10	mg/kg	0.061	ND
Endrin Ketone	10	mg/kg	0.061	ND
gamma-BHC	10	mg/kg	0.012	ND
Heptachlor	10	mg/kg	0.061	ND
Heptachlor Epoxide	10	mg/kg	0.061	ND
Methoxychlor	10	mg/kg	0.061	ND
p,p'-DDD	**10**	**mg/kg**	**0.030**	**1.2**
p,p'-DDE	**10**	**mg/kg**	**0.030**	**0.44**
p,p'-DDT	**10**	**mg/kg**	**0.030**	**0.061**
Toxaphene	10	mg/kg	0.30	ND
y-Chlordane	10	mg/kg	0.061	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.030	ND
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.12	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.12	ND
1,4-Dioxane	3	mg/kg	0.12	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.12	ND
2,4,5-Trichlorophenol	3	mg/kg	0.12	ND
2,4,6-Trichlorophenol	3	mg/kg	0.12	ND
2,4-Dichlorophenol	3	mg/kg	0.12	ND
2,4-Dimethylphenol	3	mg/kg	0.12	ND
2,4-Dinitrophenol	3	mg/kg	0.61	ND

Sample ID:	**SB-19-0-2.0'**
Lab#:	**AD48435-019**
Matrix:	**Soil**
Collection Date:	**11/27/2024**
Receipt Date:	**11/27/2024**

2,4-Dinitrotoluene	3	mg/kg	0.12	ND
2,6-Dinitrotoluene	3	mg/kg	0.12	ND
2-Chloronaphthalene	3	mg/kg	0.12	ND
2-Chlorophenol	3	mg/kg	0.12	ND
2-Methylnaphthalene	3	mg/kg	0.12	ND
2-Methylphenol	3	mg/kg	0.12	ND
2-Nitroaniline	3	mg/kg	0.12	ND
2-Nitrophenol	3	mg/kg	0.12	ND
3&4-Methylphenol	3	mg/kg	0.12	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.12	ND
3-Nitroaniline	3	mg/kg	0.12	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.61	ND
4-Bromophenyl-phenylether	3	mg/kg	0.12	ND
4-Chloro-3-methylphenol	3	mg/kg	0.12	ND
4-Chloroaniline	3	mg/kg	0.12	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.12	ND
4-Nitroaniline	3	mg/kg	0.12	ND
4-Nitrophenol	3	mg/kg	0.12	ND
Acenaphthene	3	mg/kg	0.12	ND
Acenaphthylene	3	mg/kg	0.12	ND
Acetophenone	3	mg/kg	0.12	ND
Anthracene	3	mg/kg	0.12	ND
Atrazine	3	mg/kg	0.12	ND
Benzaldehyde	3	mg/kg	0.12	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.12**	**0.42**
Benzo[a]pyrene	**3**	**mg/kg**	**0.12**	**0.42**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.12**	**0.58**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.12**	**0.33**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.12**	**0.18**
bis(2-Chloroethoxy)methane	3	mg/kg	0.12	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.046	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.12	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.12	ND
Butylbenzylphthalate	3	mg/kg	0.12	ND
Caprolactam	3	mg/kg	0.12	ND
Carbazole	3	mg/kg	0.12	ND
Chrysene	**3**	**mg/kg**	**0.12**	**0.41**
Dibenzo[a,h]anthracene	3	mg/kg	0.12	ND
Dibenzofuran	3	mg/kg	0.12	ND
Diethylphthalate	3	mg/kg	0.12	ND
Dimethylphthalate	3	mg/kg	0.12	ND
Di-n-butylphthalate	3	mg/kg	0.61	ND
Di-n-octylphthalate	3	mg/kg	0.12	ND
Fluoranthene	**3**	**mg/kg**	**0.12**	**0.74**
Fluorene	3	mg/kg	0.12	ND
Hexachlorobenzene	3	mg/kg	0.12	ND
Hexachlorobutadiene	3	mg/kg	0.12	ND
Hexachlorocyclopentadiene	3	mg/kg	0.61	ND
Hexachloroethane	3	mg/kg	0.12	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.12**	**0.33**
Isophorone	3	mg/kg	0.12	ND
Naphthalene	3	mg/kg	0.12	ND
Nitrobenzene	3	mg/kg	0.12	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.12	ND
N-Nitrosodiphenylamine	3	mg/kg	0.12	ND
Pentachlorophenol	3	mg/kg	0.61	ND
Phenanthrene	**3**	**mg/kg**	**0.12**	**0.38**

Sample ID: SB-19-0-2.0' **Collection Date:** 11/27/2024
Lab#: AD48435-019 **Receipt Date:** 11/27/2024
Matrix: Soil

Phenol	3	mg/kg	0.12	ND
Pyrene	**3**	**mg/kg**	**0.12**	**0.65**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**24**	**7100**
Antimony	**1**	**mg/kg**	**0.37**	**1.0**
Arsenic	**1**	**mg/kg**	**0.24**	**37**
Barium	**1**	**mg/kg**	**0.61**	**140**
Beryllium	**1**	**mg/kg**	**0.12**	**0.63**
Cadmium	**1**	**mg/kg**	**0.24**	**1.1**
Calcium	**1**	**mg/kg**	**120**	**3300**
Chromium	**1**	**mg/kg**	**0.24**	**25**
Cobalt	**1**	**mg/kg**	**0.24**	**8.8**
Copper	**1**	**mg/kg**	**1.2**	**150**
Iron	**1**	**mg/kg**	**37**	**24000**
Lead	**1**	**mg/kg**	**0.37**	**370**
Magnesium	**1**	**mg/kg**	**120**	**2500**
Manganese	**1**	**mg/kg**	**1.2**	**380**
Nickel	**1**	**mg/kg**	**1.2**	**23**
Potassium	**1**	**mg/kg**	**120**	**1100**
Selenium	**1**	**mg/kg**	**1.2**	**2.5**
Silver	**1**	**mg/kg**	**0.24**	**0.27**
Sodium	1	mg/kg	120	ND
Thallium	1	mg/kg	0.24	ND
Vanadium	**1**	**mg/kg**	**0.24**	**25**
Zinc	**5**	**mg/kg**	**24**	**740**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.928	mg/kg	0.0023	ND
1,1,2,2-Tetrachloroethane	0.928	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.928	mg/kg	0.0023	ND
1,1,2-Trichloroethane	0.928	mg/kg	0.0023	ND
1,1-Dichloroethane	0.928	mg/kg	0.0023	ND
1,1-Dichloroethene	0.928	mg/kg	0.0023	ND
1,2,3-Trichlorobenzene	0.928	mg/kg	0.0023	ND
1,2,4-Trichlorobenzene	0.928	mg/kg	0.0023	ND
1,2-Dibromo-3-chloropropane	0.928	mg/kg	0.0023	ND
1,2-Dibromoethane	0.928	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.928	mg/kg	0.0023	ND
1,2-Dichloroethane	0.928	mg/kg	0.0023	ND
1,2-Dichloropropane	0.928	mg/kg	0.0023	ND
1,3-Dichlorobenzene	0.928	mg/kg	0.0023	ND
1,3-Dichloropropene (Total)	0.928	mg/kg	0.0023	ND
1,4-Dichlorobenzene	0.928	mg/kg	0.0023	ND
1,4-Dioxane	0.928	mg/kg	0.11	ND
2-Butanone	0.928	mg/kg	0.0023	ND
2-Hexanone	0.928	mg/kg	0.0023	ND
4-Methyl-2-pentanone	0.928	mg/kg	0.0023	ND
Acetone	0.928	mg/kg	0.011	ND
Benzene	0.928	mg/kg	0.0011	ND
Bromochloromethane	0.928	mg/kg	0.0023	ND
Bromodichloromethane	0.928	mg/kg	0.0023	ND
Bromoform	0.928	mg/kg	0.0023	ND
Bromomethane	0.928	mg/kg	0.0023	ND
Carbon disulfide	0.928	mg/kg	0.0057	ND

Sample ID: SB-19-0-2.0' **Collection Date:** 11/27/2024
Lab#: AD48435-019 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.928	mg/kg	0.0023	ND
Chlorobenzene	0.928	mg/kg	0.0023	ND
Chloroethane	0.928	mg/kg	0.0023	ND
Chloroform	0.928	mg/kg	0.0023	ND
Chloromethane	0.928	mg/kg	0.0023	ND
cis-1,2-Dichloroethene	0.928	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	0.928	mg/kg	0.0023	ND
Cyclohexane	0.928	mg/kg	0.0023	ND
Dibromochloromethane	0.928	mg/kg	0.0023	ND
Dichlorodifluoromethane	0.928	mg/kg	0.0023	ND
Ethylbenzene	0.928	mg/kg	0.0011	ND
Isopropylbenzene	0.928	mg/kg	0.0011	ND
m&p-Xylenes	0.928	mg/kg	0.0016	ND
Methyl Acetate	0.928	mg/kg	0.0023	ND
Methylcyclohexane	0.928	mg/kg	0.0023	ND
Methylene chloride	0.928	mg/kg	0.0023	ND
Methyl-t-butyl ether	0.928	mg/kg	0.0011	ND
o-Xylene	0.928	mg/kg	0.0011	ND
Styrene	0.928	mg/kg	0.0023	ND
Tetrachloroethene	0.928	mg/kg	0.0023	ND
Toluene	0.928	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.928	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	0.928	mg/kg	0.0023	ND
Trichloroethene	0.928	mg/kg	0.0023	ND
Trichlorofluoromethane	0.928	mg/kg	0.0023	ND
Vinyl chloride	0.928	mg/kg	0.0023	ND
Xylenes (Total)	0.928	mg/kg	0.0011	ND

Sample ID: SB-14-0-2.0' | **Collection Date:** 11/27/2024
Lab#: AD48435-020 | **Receipt Date:** 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		87

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.096**	**0.36**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0057	ND
Aldrin	1	mg/kg	0.0057	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane (Total)	1	mg/kg	0.0057	ND
delta-BHC	1	mg/kg	0.0057	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0057	ND
Endosulfan II	1	mg/kg	0.0057	ND
Endosulfan Sulfate	1	mg/kg	0.0057	ND
Endrin	1	mg/kg	0.0057	ND
Endrin Aldehyde	1	mg/kg	0.0057	ND
Endrin Ketone	1	mg/kg	0.0057	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0057	ND
Heptachlor Epoxide	1	mg/kg	0.0057	ND
Methoxychlor	1	mg/kg	0.0057	ND
p,p'-DDD	1	mg/kg	0.0029	ND
p,p'-DDE	**1**	**mg/kg**	**0.0029**	**0.0085**
p,p'-DDT	**1**	**mg/kg**	**0.0029**	**0.0034d**
Toxaphene	1	mg/kg	0.029	ND
y-Chlordane	1	mg/kg	0.0057	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	5	mg/kg	0.19	ND
1,2,4,5-Tetrachlorobenzene	5	mg/kg	0.19	ND
1,4-Dioxane	5	mg/kg	0.19	ND
2,3,4,6-Tetrachlorophenol	5	mg/kg	0.19	ND
2,4,5-Trichlorophenol	5	mg/kg	0.19	ND
2,4,6-Trichlorophenol	5	mg/kg	0.19	ND
2,4-Dichlorophenol	5	mg/kg	0.19	ND
2,4-Dimethylphenol	5	mg/kg	0.19	ND
2,4-Dinitrophenol	5	mg/kg	0.96	ND

Sample ID:	**SB-14-0-2.0'**
Lab#:	**AD48435-020**
Matrix:	**Soil**
Collection Date:	**11/27/2024**
Receipt Date:	**11/27/2024**

2,4-Dinitrotoluene	5	mg/kg	0.19	ND
2,6-Dinitrotoluene	5	mg/kg	0.19	ND
2-Chloronaphthalene	5	mg/kg	0.19	ND
2-Chlorophenol	5	mg/kg	0.19	ND
2-Methylnaphthalene	5	mg/kg	0.19	ND
2-Methylphenol	5	mg/kg	0.19	ND
2-Nitroaniline	5	mg/kg	0.19	ND
2-Nitrophenol	5	mg/kg	0.19	ND
3&4-Methylphenol	5	mg/kg	0.19	ND
3,3'-Dichlorobenzidine	5	mg/kg	0.19	ND
3-Nitroaniline	5	mg/kg	0.19	ND
4,6-Dinitro-2-methylphenol	5	mg/kg	0.96	ND
4-Bromophenyl-phenylether	5	mg/kg	0.19	ND
4-Chloro-3-methylphenol	5	mg/kg	0.19	ND
4-Chloroaniline	5	mg/kg	0.19	ND
4-Chlorophenyl-phenylether	5	mg/kg	0.19	ND
4-Nitroaniline	5	mg/kg	0.19	ND
4-Nitrophenol	5	mg/kg	0.19	ND
Acenaphthene	5	mg/kg	0.19	ND
Acenaphthylene	5	mg/kg	0.19	ND
Acetophenone	5	mg/kg	0.19	ND
Anthracene	5	mg/kg	0.19	ND
Atrazine	5	mg/kg	0.19	ND
Benzaldehyde	5	mg/kg	0.19	ND
Benzo[a]anthracene	**5**	**mg/kg**	**0.19**	**0.43**
Benzo[a]pyrene	**5**	**mg/kg**	**0.19**	**0.43**
Benzo[b]fluoranthene	**5**	**mg/kg**	**0.19**	**0.56**
Benzo[g,h,i]perylene	**5**	**mg/kg**	**0.19**	**0.33**
Benzo[k]fluoranthene	5	mg/kg	0.19	ND
bis(2-Chloroethoxy)methane	5	mg/kg	0.19	ND
bis(2-Chloroethyl)ether	5	mg/kg	0.073	ND
bis(2-Chloroisopropyl)ether	5	mg/kg	0.19	ND
bis(2-Ethylhexyl)phthalate	5	mg/kg	0.19	ND
Butylbenzylphthalate	5	mg/kg	0.19	ND
Caprolactam	5	mg/kg	0.19	ND
Carbazole	5	mg/kg	0.19	ND
Chrysene	**5**	**mg/kg**	**0.19**	**0.41**
Dibenzo[a,h]anthracene	5	mg/kg	0.19	ND
Dibenzofuran	5	mg/kg	0.19	ND
Diethylphthalate	5	mg/kg	0.19	ND
Dimethylphthalate	5	mg/kg	0.19	ND
Di-n-butylphthalate	5	mg/kg	0.96	ND
Di-n-octylphthalate	5	mg/kg	0.19	ND
Fluoranthene	**5**	**mg/kg**	**0.19**	**0.67**
Fluorene	5	mg/kg	0.19	ND
Hexachlorobenzene	5	mg/kg	0.19	ND
Hexachlorobutadiene	5	mg/kg	0.19	ND
Hexachlorocyclopentadiene	5	mg/kg	0.96	ND
Hexachloroethane	5	mg/kg	0.19	ND
Indeno[1,2,3-cd]pyrene	**5**	**mg/kg**	**0.19**	**0.36**
Isophorone	5	mg/kg	0.19	ND
Naphthalene	5	mg/kg	0.19	ND
Nitrobenzene	5	mg/kg	0.19	ND
N-Nitroso-di-n-propylamine	5	mg/kg	0.19	ND
N-Nitrosodiphenylamine	5	mg/kg	0.19	ND
Pentachlorophenol	5	mg/kg	0.96	ND
Phenanthrene	**5**	**mg/kg**	**0.19**	**0.30**

Sample ID:	**SB-14-0-2.0'**		**Collection Date:**	**11/27/2024**
Lab#:	**AD48435-020**		**Receipt Date:**	**11/27/2024**
Matrix:	**Soil**			

Phenol	5	mg/kg	0.19	ND
Pyrene	**5**	**mg/kg**	**0.19**	**0.67**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**23**	**7700**
Antimony	**1**	**mg/kg**	**0.34**	**0.66**
Arsenic	**1**	**mg/kg**	**0.23**	**8.8**
Barium	**1**	**mg/kg**	**0.57**	**120**
Beryllium	**1**	**mg/kg**	**0.11**	**0.44**
Cadmium	**1**	**mg/kg**	**0.23**	**0.52**
Calcium	**1**	**mg/kg**	**110**	**3600**
Chromium	**1**	**mg/kg**	**0.23**	**19**
Cobalt	**1**	**mg/kg**	**0.23**	**5.2**
Copper	**1**	**mg/kg**	**1.1**	**69**
Iron	**1**	**mg/kg**	**34**	**19000**
Lead	**1**	**mg/kg**	**0.34**	**210**
Magnesium	**1**	**mg/kg**	**110**	**2100**
Manganese	**1**	**mg/kg**	**1.1**	**340**
Nickel	**1**	**mg/kg**	**1.1**	**15**
Potassium	**1**	**mg/kg**	**110**	**1000**
Selenium	**1**	**mg/kg**	**1.1**	**2.7**
Silver	**1**	**mg/kg**	**0.23**	**0.25**
Sodium	1	mg/kg	110	ND
Thallium	1	mg/kg	0.23	ND
Vanadium	**1**	**mg/kg**	**0.23**	**24**
Zinc	**1**	**mg/kg**	**4.6**	**200**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.936	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.936	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.936	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.936	mg/kg	0.0022	ND
1,1-Dichloroethane	0.936	mg/kg	0.0022	ND
1,1-Dichloroethene	0.936	mg/kg	0.0022	ND
1,2,3-Trichlorobenzene	0.936	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	0.936	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	0.936	mg/kg	0.0022	ND
1,2-Dibromoethane	0.936	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.936	mg/kg	0.0022	ND
1,2-Dichloroethane	0.936	mg/kg	0.0022	ND
1,2-Dichloropropane	0.936	mg/kg	0.0022	ND
1,3-Dichlorobenzene	0.936	mg/kg	0.0022	ND
1,3-Dichloropropene (Total)	0.936	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.936	mg/kg	0.0022	ND
1,4-Dioxane	0.936	mg/kg	0.11	ND
2-Butanone	0.936	mg/kg	0.0022	ND
2-Hexanone	0.936	mg/kg	0.0022	ND
4-Methyl-2-pentanone	0.936	mg/kg	0.0022	ND
Acetone	0.936	mg/kg	0.011	ND
Benzene	0.936	mg/kg	0.0011	ND
Bromochloromethane	0.936	mg/kg	0.0022	ND
Bromodichloromethane	0.936	mg/kg	0.0022	ND
Bromoform	0.936	mg/kg	0.0022	ND
Bromomethane	0.936	mg/kg	0.0022	ND
Carbon disulfide	0.936	mg/kg	0.0054	ND

Sample ID: SB-14-0-2.0' **Collection Date:** 11/27/2024
Lab#: AD48435-020 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.936	mg/kg	0.0022	ND
Chlorobenzene	0.936	mg/kg	0.0022	ND
Chloroethane	0.936	mg/kg	0.0022	ND
Chloroform	0.936	mg/kg	0.0022	ND
Chloromethane	0.936	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.936	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.936	mg/kg	0.0022	ND
Cyclohexane	0.936	mg/kg	0.0022	ND
Dibromochloromethane	0.936	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.936	mg/kg	0.0022	ND
Ethylbenzene	0.936	mg/kg	0.0011	ND
Isopropylbenzene	0.936	mg/kg	0.0011	ND
m&p-Xylenes	0.936	mg/kg	0.0015	ND
Methyl Acetate	0.936	mg/kg	0.0022	ND
Methylcyclohexane	0.936	mg/kg	0.0022	ND
Methylene chloride	0.936	mg/kg	0.0022	ND
Methyl-t-butyl ether	0.936	mg/kg	0.0011	ND
o-Xylene	0.936	mg/kg	0.0011	ND
Styrene	0.936	mg/kg	0.0022	ND
Tetrachloroethene	0.936	mg/kg	0.0022	ND
Toluene	0.936	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.936	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.936	mg/kg	0.0022	ND
Trichloroethene	0.936	mg/kg	0.0022	ND
Trichlorofluoromethane	0.936	mg/kg	0.0022	ND
Vinyl chloride	0.936	mg/kg	0.0022	ND
Xylenes (Total)	0.936	mg/kg	0.0011	ND

Sample ID: SB-13-0-2.0' **Collection Date:** 11/27/2024
Lab#: AD48435-021 **Receipt Date:** 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**88**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.095**	**1.4**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0057	ND
Aldrin	1	mg/kg	0.0057	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane (Total)	1	mg/kg	0.0057	ND
delta-BHC	1	mg/kg	0.0057	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0057	ND
Endosulfan II	1	mg/kg	0.0057	ND
Endosulfan Sulfate	1	mg/kg	0.0057	ND
Endrin	1	mg/kg	0.0057	ND
Endrin Aldehyde	1	mg/kg	0.0057	ND
Endrin Ketone	1	mg/kg	0.0057	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0057	ND
Heptachlor Epoxide	1	mg/kg	0.0057	ND
Methoxychlor	1	mg/kg	0.0057	ND
p,p'-DDD	1	mg/kg	0.0028	ND
p,p'-DDE	**1**	**mg/kg**	**0.0028**	**0.0049**
p,p'-DDT	**1**	**mg/kg**	**0.0028**	**0.0056**
Toxaphene	1	mg/kg	0.028	ND
y-Chlordane	1	mg/kg	0.0057	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.028	ND
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.11	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.11	ND
1,4-Dioxane	3	mg/kg	0.11	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.11	ND
2,4,5-Trichlorophenol	3	mg/kg	0.11	ND
2,4,6-Trichlorophenol	3	mg/kg	0.11	ND
2,4-Dichlorophenol	3	mg/kg	0.11	ND
2,4-Dimethylphenol	3	mg/kg	0.11	ND
2,4-Dinitrophenol	3	mg/kg	0.57	ND

Sample ID:	**SB-13-0-2.0'**
Lab#:	**AD48435-021**
Matrix:	**Soil**
Collection Date:	**11/27/2024**
Receipt Date:	**11/27/2024**

2,4-Dinitrotoluene	3	mg/kg	0.11	ND
2,6-Dinitrotoluene	3	mg/kg	0.11	ND
2-Chloronaphthalene	3	mg/kg	0.11	ND
2-Chlorophenol	3	mg/kg	0.11	ND
2-Methylnaphthalene	3	mg/kg	0.11	ND
2-Methylphenol	3	mg/kg	0.11	ND
2-Nitroaniline	3	mg/kg	0.11	ND
2-Nitrophenol	3	mg/kg	0.11	ND
3&4-Methylphenol	3	mg/kg	0.11	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.11	ND
3-Nitroaniline	3	mg/kg	0.11	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.57	ND
4-Bromophenyl-phenylether	3	mg/kg	0.11	ND
4-Chloro-3-methylphenol	3	mg/kg	0.11	ND
4-Chloroaniline	3	mg/kg	0.11	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.11	ND
4-Nitroaniline	3	mg/kg	0.11	ND
4-Nitrophenol	3	mg/kg	0.11	ND
Acenaphthene	3	mg/kg	0.11	ND
Acenaphthylene	3	mg/kg	0.11	ND
Acetophenone	3	mg/kg	0.11	ND
Anthracene	**3**	**mg/kg**	**0.11**	**0.23**
Atrazine	3	mg/kg	0.11	ND
Benzaldehyde	3	mg/kg	0.11	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.11**	**0.65**
Benzo[a]pyrene	**3**	**mg/kg**	**0.11**	**0.68**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.11**	**0.88**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.11**	**0.50**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.11**	**0.28**
bis(2-Chloroethoxy)methane	3	mg/kg	0.11	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.043	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.11	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.11	ND
Butylbenzylphthalate	3	mg/kg	0.11	ND
Caprolactam	3	mg/kg	0.11	ND
Carbazole	3	mg/kg	0.11	ND
Chrysene	**3**	**mg/kg**	**0.11**	**0.67**
Dibenzo[a,h]anthracene	3	mg/kg	0.11	ND
Dibenzofuran	3	mg/kg	0.11	ND
Diethylphthalate	3	mg/kg	0.11	ND
Dimethylphthalate	3	mg/kg	0.11	ND
Di-n-butylphthalate	3	mg/kg	0.57	ND
Di-n-octylphthalate	3	mg/kg	0.11	ND
Fluoranthene	**3**	**mg/kg**	**0.11**	**1.3**
Fluorene	3	mg/kg	0.11	ND
Hexachlorobenzene	3	mg/kg	0.11	ND
Hexachlorobutadiene	3	mg/kg	0.11	ND
Hexachlorocyclopentadiene	3	mg/kg	0.57	ND
Hexachloroethane	3	mg/kg	0.11	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.11**	**0.54**
Isophorone	3	mg/kg	0.11	ND
Naphthalene	3	mg/kg	0.11	ND
Nitrobenzene	3	mg/kg	0.11	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.11	ND
N-Nitrosodiphenylamine	3	mg/kg	0.11	ND
Pentachlorophenol	3	mg/kg	0.57	ND
Phenanthrene	**3**	**mg/kg**	**0.11**	**0.88**

Sample ID: SB-13-0-2.0' **Collection Date:** 11/27/2024
Lab#: AD48435-021 **Receipt Date:** 11/27/2024
Matrix: Soil

Phenol	3	mg/kg	0.11	ND
Pyrene	**3**	**mg/kg**	**0.11**	**1.1**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**22**	**7700**
Antimony	**1**	**mg/kg**	**0.33**	**1.1**
Arsenic	**1**	**mg/kg**	**0.22**	**8.2**
Barium	**1**	**mg/kg**	**0.56**	**440**
Beryllium	**1**	**mg/kg**	**0.11**	**0.44**
Cadmium	**1**	**mg/kg**	**0.22**	**0.65**
Calcium	**1**	**mg/kg**	**110**	**2400**
Chromium	**1**	**mg/kg**	**0.22**	**27**
Cobalt	**1**	**mg/kg**	**0.22**	**6.8**
Copper	**1**	**mg/kg**	**1.1**	**140**
Iron	**1**	**mg/kg**	**33**	**21000**
Lead	**1**	**mg/kg**	**0.33**	**360**
Magnesium	**1**	**mg/kg**	**110**	**2400**
Manganese	**1**	**mg/kg**	**1.1**	**360**
Nickel	**1**	**mg/kg**	**1.1**	**21**
Potassium	**1**	**mg/kg**	**110**	**1200**
Selenium	**1**	**mg/kg**	**1.1**	**2.6**
Silver	**1**	**mg/kg**	**0.22**	**0.45**
Sodium	1	mg/kg	110	ND
Thallium	1	mg/kg	0.22	ND
Vanadium	**1**	**mg/kg**	**0.22**	**27**
Zinc	**1**	**mg/kg**	**4.5**	**330**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.998	mg/kg	0.0023	ND
1,1,2,2-Tetrachloroethane	0.998	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.998	mg/kg	0.0023	ND
1,1,2-Trichloroethane	0.998	mg/kg	0.0023	ND
1,1-Dichloroethane	0.998	mg/kg	0.0023	ND
1,1-Dichloroethene	0.998	mg/kg	0.0023	ND
1,2,3-Trichlorobenzene	0.998	mg/kg	0.0023	ND
1,2,4-Trichlorobenzene	0.998	mg/kg	0.0023	ND
1,2-Dibromo-3-chloropropane	0.998	mg/kg	0.0023	ND
1,2-Dibromoethane	0.998	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.998	mg/kg	0.0023	ND
1,2-Dichloroethane	0.998	mg/kg	0.0023	ND
1,2-Dichloropropane	0.998	mg/kg	0.0023	ND
1,3-Dichlorobenzene	0.998	mg/kg	0.0023	ND
1,3-Dichloropropene (Total)	0.998	mg/kg	0.0023	ND
1,4-Dichlorobenzene	0.998	mg/kg	0.0023	ND
1,4-Dioxane	0.998	mg/kg	0.11	ND
2-Butanone	0.998	mg/kg	0.0023	ND
2-Hexanone	0.998	mg/kg	0.0023	ND
4-Methyl-2-pentanone	0.998	mg/kg	0.0023	ND
Acetone	0.998	mg/kg	0.011	ND
Benzene	0.998	mg/kg	0.0011	ND
Bromochloromethane	0.998	mg/kg	0.0023	ND
Bromodichloromethane	0.998	mg/kg	0.0023	ND
Bromoform	0.998	mg/kg	0.0023	ND
Bromomethane	0.998	mg/kg	0.0023	ND
Carbon disulfide	0.998	mg/kg	0.0057	ND

Sample ID: SB-13-0-2.0' **Collection Date:** 11/27/2024
Lab#: AD48435-021 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.998	mg/kg	0.0023	ND
Chlorobenzene	0.998	mg/kg	0.0023	ND
Chloroethane	0.998	mg/kg	0.0023	ND
Chloroform	0.998	mg/kg	0.0023	ND
Chloromethane	0.998	mg/kg	0.0023	ND
cis-1,2-Dichloroethene	0.998	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	0.998	mg/kg	0.0023	ND
Cyclohexane	0.998	mg/kg	0.0023	ND
Dibromochloromethane	0.998	mg/kg	0.0023	ND
Dichlorodifluoromethane	0.998	mg/kg	0.0023	ND
Ethylbenzene	0.998	mg/kg	0.0011	ND
Isopropylbenzene	0.998	mg/kg	0.0011	ND
m&p-Xylenes	0.998	mg/kg	0.0016	ND
Methyl Acetate	0.998	mg/kg	0.0023	ND
Methylcyclohexane	0.998	mg/kg	0.0023	ND
Methylene chloride	0.998	mg/kg	0.0023	ND
Methyl-t-butyl ether	0.998	mg/kg	0.0011	ND
o-Xylene	0.998	mg/kg	0.0011	ND
Styrene	0.998	mg/kg	0.0023	ND
Tetrachloroethene	0.998	mg/kg	0.0023	ND
Toluene	0.998	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.998	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	0.998	mg/kg	0.0023	ND
Trichloroethene	0.998	mg/kg	0.0023	ND
Trichlorofluoromethane	0.998	mg/kg	0.0023	ND
Vinyl chloride	0.998	mg/kg	0.0023	ND
Xylenes (Total)	0.998	mg/kg	0.0011	ND

Sample ID: SB-18-0-2.0' | **Collection Date:** 11/27/2024
Lab#: AD48435-022 | **Receipt Date:** 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**82**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.10**	**0.61**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0061	ND
Aldrin	1	mg/kg	0.0061	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0061	ND
delta-BHC	1	mg/kg	0.0061	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0061	ND
Endosulfan II	1	mg/kg	0.0061	ND
Endosulfan Sulfate	1	mg/kg	0.0061	ND
Endrin	1	mg/kg	0.0061	ND
Endrin Aldehyde	1	mg/kg	0.0061	ND
Endrin Ketone	1	mg/kg	0.0061	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0061	ND
Heptachlor Epoxide	1	mg/kg	0.0061	ND
Methoxychlor	1	mg/kg	0.0061	ND
p,p'-DDD	1	mg/kg	0.0030	ND
p,p'-DDE	**1**	**mg/kg**	**0.0030**	**0.017**
p,p'-DDT	**1**	**mg/kg**	**0.0030**	**0.0088d**
Toxaphene	1	mg/kg	0.030	ND
y-Chlordane	1	mg/kg	0.0061	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.030**	**0.050**
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	**1**	**mg/kg**	**0.030**	**0.050**
Aroclor-1268	1	mg/kg	0.030	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.12	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.12	ND
1,4-Dioxane	3	mg/kg	0.12	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.12	ND
2,4,5-Trichlorophenol	3	mg/kg	0.12	ND
2,4,6-Trichlorophenol	3	mg/kg	0.12	ND
2,4-Dichlorophenol	3	mg/kg	0.12	ND
2,4-Dimethylphenol	3	mg/kg	0.12	ND
2,4-Dinitrophenol	3	mg/kg	0.61	ND

Sample ID:	**SB-18-0-2.0'**
Lab#:	**AD48435-022**
Matrix:	**Soil**
Collection Date:	**11/27/2024**
Receipt Date:	**11/27/2024**

2,4-Dinitrotoluene	3	mg/kg	0.12	ND
2,6-Dinitrotoluene	3	mg/kg	0.12	ND
2-Chloronaphthalene	3	mg/kg	0.12	ND
2-Chlorophenol	3	mg/kg	0.12	ND
2-Methylnaphthalene	3	mg/kg	0.12	ND
2-Methylphenol	3	mg/kg	0.12	ND
2-Nitroaniline	3	mg/kg	0.12	ND
2-Nitrophenol	3	mg/kg	0.12	ND
3&4-Methylphenol	3	mg/kg	0.12	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.12	ND
3-Nitroaniline	3	mg/kg	0.12	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.61	ND
4-Bromophenyl-phenylether	3	mg/kg	0.12	ND
4-Chloro-3-methylphenol	3	mg/kg	0.12	ND
4-Chloroaniline	3	mg/kg	0.12	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.12	ND
4-Nitroaniline	3	mg/kg	0.12	ND
4-Nitrophenol	3	mg/kg	0.12	ND
Acenaphthene	3	mg/kg	0.12	ND
Acenaphthylene	3	mg/kg	0.12	ND
Acetophenone	3	mg/kg	0.12	ND
Anthracene	3	mg/kg	0.12	ND
Atrazine	3	mg/kg	0.12	ND
Benzaldehyde	3	mg/kg	0.12	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.12**	**0.41**
Benzo[a]pyrene	**3**	**mg/kg**	**0.12**	**0.43**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.12**	**0.64**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.12**	**0.37**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.12**	**0.19**
bis(2-Chloroethoxy)methane	3	mg/kg	0.12	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.046	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.12	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.12	ND
Butylbenzylphthalate	3	mg/kg	0.12	ND
Caprolactam	3	mg/kg	0.12	ND
Carbazole	3	mg/kg	0.12	ND
Chrysene	**3**	**mg/kg**	**0.12**	**0.44**
Dibenzo[a,h]anthracene	3	mg/kg	0.12	ND
Dibenzofuran	3	mg/kg	0.12	ND
Diethylphthalate	3	mg/kg	0.12	ND
Dimethylphthalate	3	mg/kg	0.12	ND
Di-n-butylphthalate	3	mg/kg	0.61	ND
Di-n-octylphthalate	3	mg/kg	0.12	ND
Fluoranthene	**3**	**mg/kg**	**0.12**	**0.64**
Fluorene	3	mg/kg	0.12	ND
Hexachlorobenzene	3	mg/kg	0.12	ND
Hexachlorobutadiene	3	mg/kg	0.12	ND
Hexachlorocyclopentadiene	3	mg/kg	0.61	ND
Hexachloroethane	3	mg/kg	0.12	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.12**	**0.37**
Isophorone	3	mg/kg	0.12	ND
Naphthalene	3	mg/kg	0.12	ND
Nitrobenzene	3	mg/kg	0.12	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.12	ND
N-Nitrosodiphenylamine	3	mg/kg	0.12	ND
Pentachlorophenol	3	mg/kg	0.61	ND
Phenanthrene	**3**	**mg/kg**	**0.12**	**0.33**

Sample ID:	**SB-18-0-2.0'**	**Collection Date:**	**11/27/2024**
Lab#:	**AD48435-022**	**Receipt Date:**	**11/27/2024**
Matrix:	**Soil**		

Phenol	3	mg/kg	0.12	ND
Pyrene	**3**	**mg/kg**	**0.12**	**0.61**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**24**	**10000**
Antimony	**1**	**mg/kg**	**0.37**	**1.3**
Arsenic	**1**	**mg/kg**	**0.24**	**17**
Barium	**1**	**mg/kg**	**0.61**	**220**
Beryllium	**1**	**mg/kg**	**0.12**	**0.60**
Cadmium	**1**	**mg/kg**	**0.24**	**1.1**
Calcium	**1**	**mg/kg**	**120**	**2300**
Chromium	**5**	**mg/kg**	**1.2**	**470**
Cobalt	**1**	**mg/kg**	**0.24**	**11**
Copper	**1**	**mg/kg**	**1.2**	**180**
Iron	**1**	**mg/kg**	**37**	**28000**
Lead	**1**	**mg/kg**	**0.37**	**490**
Magnesium	**1**	**mg/kg**	**120**	**3100**
Manganese	**1**	**mg/kg**	**1.2**	**620**
Nickel	**1**	**mg/kg**	**1.2**	**24**
Potassium	**1**	**mg/kg**	**120**	**1500**
Selenium	**1**	**mg/kg**	**1.2**	**3.1**
Silver	**1**	**mg/kg**	**0.24**	**0.52**
Sodium	1	mg/kg	120	ND
Thallium	1	mg/kg	0.24	ND
Vanadium	**1**	**mg/kg**	**0.24**	**37**
Zinc	**1**	**mg/kg**	**4.9**	**360**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	mg/kg	0.0024	ND
1,1,2,2-Tetrachloroethane	1	mg/kg	0.0024	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	mg/kg	0.0024	ND
1,1,2-Trichloroethane	1	mg/kg	0.0024	ND
1,1-Dichloroethane	1	mg/kg	0.0024	ND
1,1-Dichloroethene	1	mg/kg	0.0024	ND
1,2,3-Trichlorobenzene	1	mg/kg	0.0024	ND
1,2,4-Trichlorobenzene	1	mg/kg	0.0024	ND
1,2-Dibromo-3-chloropropane	1	mg/kg	0.0024	ND
1,2-Dibromoethane	1	mg/kg	0.0012	ND
1,2-Dichlorobenzene	1	mg/kg	0.0024	ND
1,2-Dichloroethane	1	mg/kg	0.0024	ND
1,2-Dichloropropane	1	mg/kg	0.0024	ND
1,3-Dichlorobenzene	1	mg/kg	0.0024	ND
1,3-Dichloropropene (Total)	1	mg/kg	0.0024	ND
1,4-Dichlorobenzene	1	mg/kg	0.0024	ND
1,4-Dioxane	1	mg/kg	0.12	ND
2-Butanone	1	mg/kg	0.0024	ND
2-Hexanone	1	mg/kg	0.0024	ND
4-Methyl-2-pentanone	1	mg/kg	0.0024	ND
Acetone	1	mg/kg	0.012	ND
Benzene	1	mg/kg	0.0012	ND
Bromochloromethane	1	mg/kg	0.0024	ND
Bromodichloromethane	1	mg/kg	0.0024	ND
Bromoform	1	mg/kg	0.0024	ND
Bromomethane	1	mg/kg	0.0024	ND
Carbon disulfide	1	mg/kg	0.0061	ND

Sample ID: SB-18-0-2.0' **Collection Date:** 11/27/2024
Lab#: AD48435-022 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	1	mg/kg	0.0024	ND
Chlorobenzene	1	mg/kg	0.0024	ND
Chloroethane	1	mg/kg	0.0024	ND
Chloroform	1	mg/kg	0.0024	ND
Chloromethane	1	mg/kg	0.0024	ND
cis-1,2-Dichloroethene	1	mg/kg	0.0024	ND
cis-1,3-Dichloropropene	1	mg/kg	0.0024	ND
Cyclohexane	1	mg/kg	0.0024	ND
Dibromochloromethane	1	mg/kg	0.0024	ND
Dichlorodifluoromethane	1	mg/kg	0.0024	ND
Ethylbenzene	1	mg/kg	0.0012	ND
Isopropylbenzene	1	mg/kg	0.0012	ND
m&p-Xylenes	1	mg/kg	0.0017	ND
Methyl Acetate	1	mg/kg	0.0024	ND
Methylcyclohexane	1	mg/kg	0.0024	ND
Methylene chloride	1	mg/kg	0.0024	ND
Methyl-t-butyl ether	1	mg/kg	0.0012	ND
o-Xylene	1	mg/kg	0.0012	ND
Styrene	1	mg/kg	0.0024	ND
Tetrachloroethene	1	mg/kg	0.0024	ND
Toluene	1	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	1	mg/kg	0.0024	ND
trans-1,3-Dichloropropene	1	mg/kg	0.0024	ND
Trichloroethene	1	mg/kg	0.0024	ND
Trichlorofluoromethane	1	mg/kg	0.0024	ND
Vinyl chloride	1	mg/kg	0.0024	ND
Xylenes (Total)	1	mg/kg	0.0012	ND

Sample ID: SB-08-0-2.0' **Collection Date:** 11/27/2024
Lab#: AD48435-023 **Receipt Date:** 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		83

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.10	0.60

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0060	ND
Aldrin	1	mg/kg	0.0060	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0060	ND
delta-BHC	1	mg/kg	0.0060	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0060	ND
Endosulfan II	1	mg/kg	0.0060	ND
Endosulfan Sulfate	1	mg/kg	0.0060	ND
Endrin	1	mg/kg	0.0060	ND
Endrin Aldehyde	1	mg/kg	0.0060	ND
Endrin Ketone	1	mg/kg	0.0060	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0060	ND
Heptachlor Epoxide	1	mg/kg	0.0060	ND
Methoxychlor	1	mg/kg	0.0060	ND
p,p'-DDD	1	mg/kg	0.0030	ND
p,p'-DDE	**1**	**mg/kg**	**0.0030**	**0.0063**
p,p'-DDT	**1**	**mg/kg**	**0.0030**	**0.0062**
Toxaphene	1	mg/kg	0.030	ND
y-Chlordane	1	mg/kg	0.0060	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.030	ND
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.12	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.12	ND
1,4-Dioxane	3	mg/kg	0.12	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.12	ND
2,4,5-Trichlorophenol	3	mg/kg	0.12	ND
2,4,6-Trichlorophenol	3	mg/kg	0.12	ND
2,4-Dichlorophenol	3	mg/kg	0.12	ND
2,4-Dimethylphenol	3	mg/kg	0.12	ND
2,4-Dinitrophenol	3	mg/kg	0.60	ND

Sample ID:	**SB-08-0-2.0'**
Lab#:	**AD48435-023**
Matrix:	**Soil**
Collection Date:	**11/27/2024**
Receipt Date:	**11/27/2024**

2,4-Dinitrotoluene	3	mg/kg	0.12	ND
2,6-Dinitrotoluene	3	mg/kg	0.12	ND
2-Chloronaphthalene	3	mg/kg	0.12	ND
2-Chlorophenol	3	mg/kg	0.12	ND
2-Methylnaphthalene	3	mg/kg	0.12	ND
2-Methylphenol	3	mg/kg	0.12	ND
2-Nitroaniline	3	mg/kg	0.12	ND
2-Nitrophenol	3	mg/kg	0.12	ND
3&4-Methylphenol	3	mg/kg	0.12	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.12	ND
3-Nitroaniline	3	mg/kg	0.12	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.60	ND
4-Bromophenyl-phenylether	3	mg/kg	0.12	ND
4-Chloro-3-methylphenol	3	mg/kg	0.12	ND
4-Chloroaniline	3	mg/kg	0.12	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.12	ND
4-Nitroaniline	3	mg/kg	0.12	ND
4-Nitrophenol	3	mg/kg	0.12	ND
Acenaphthene	3	mg/kg	0.12	ND
Acenaphthylene	3	mg/kg	0.12	ND
Acetophenone	3	mg/kg	0.12	ND
Anthracene	3	mg/kg	0.12	ND
Atrazine	3	mg/kg	0.12	ND
Benzaldehyde	3	mg/kg	0.12	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.12**	**0.30**
Benzo[a]pyrene	**3**	**mg/kg**	**0.12**	**0.32**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.12**	**0.48**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.12**	**0.29**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.12**	**0.14**
bis(2-Chloroethoxy)methane	3	mg/kg	0.12	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.046	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.12	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.12	ND
Butylbenzylphthalate	3	mg/kg	0.12	ND
Caprolactam	3	mg/kg	0.12	ND
Carbazole	3	mg/kg	0.12	ND
Chrysene	**3**	**mg/kg**	**0.12**	**0.33**
Dibenzo[a,h]anthracene	3	mg/kg	0.12	ND
Dibenzofuran	3	mg/kg	0.12	ND
Diethylphthalate	3	mg/kg	0.12	ND
Dimethylphthalate	3	mg/kg	0.12	ND
Di-n-butylphthalate	3	mg/kg	0.60	ND
Di-n-octylphthalate	3	mg/kg	0.12	ND
Fluoranthene	**3**	**mg/kg**	**0.12**	**0.45**
Fluorene	3	mg/kg	0.12	ND
Hexachlorobenzene	3	mg/kg	0.12	ND
Hexachlorobutadiene	3	mg/kg	0.12	ND
Hexachlorocyclopentadiene	3	mg/kg	0.60	ND
Hexachloroethane	3	mg/kg	0.12	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.12**	**0.28**
Isophorone	3	mg/kg	0.12	ND
Naphthalene	3	mg/kg	0.12	ND
Nitrobenzene	3	mg/kg	0.12	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.12	ND
N-Nitrosodiphenylamine	3	mg/kg	0.12	ND
Pentachlorophenol	3	mg/kg	0.60	ND
Phenanthrene	**3**	**mg/kg**	**0.12**	**0.21**

Sample ID: SB-08-0-2.0' **Collection Date:** 11/27/2024
Lab#: AD48435-023 **Receipt Date:** 11/27/2024
Matrix: Soil

Phenol	3	mg/kg	0.12	ND
Pyrene	**3**	**mg/kg**	**0.12**	**0.44**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**24**	**7800**
Antimony	**1**	**mg/kg**	**0.36**	**0.93**
Arsenic	**1**	**mg/kg**	**0.24**	**8.3**
Barium	**1**	**mg/kg**	**0.60**	**170**
Beryllium	**1**	**mg/kg**	**0.12**	**0.39**
Cadmium	**1**	**mg/kg**	**0.24**	**0.60**
Calcium	**1**	**mg/kg**	**120**	**3700**
Chromium	**1**	**mg/kg**	**0.24**	**23**
Cobalt	**1**	**mg/kg**	**0.24**	**5.8**
Copper	**1**	**mg/kg**	**1.2**	**170**
Iron	**1**	**mg/kg**	**36**	**17000**
Lead	**1**	**mg/kg**	**0.36**	**300**
Magnesium	**1**	**mg/kg**	**120**	**2400**
Manganese	**1**	**mg/kg**	**1.2**	**280**
Nickel	**1**	**mg/kg**	**1.2**	**18**
Potassium	**1**	**mg/kg**	**120**	**1200**
Selenium	**1**	**mg/kg**	**1.2**	**2.3**
Silver	**1**	**mg/kg**	**0.24**	**0.38**
Sodium	1	mg/kg	120	ND
Thallium	1	mg/kg	0.24	ND
Vanadium	**1**	**mg/kg**	**0.24**	**25**
Zinc	**1**	**mg/kg**	**4.8**	**480**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.984	mg/kg	0.0024	ND
1,1,2,2-Tetrachloroethane	0.984	mg/kg	0.0024	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.984	mg/kg	0.0024	ND
1,1,2-Trichloroethane	0.984	mg/kg	0.0024	ND
1,1-Dichloroethane	0.984	mg/kg	0.0024	ND
1,1-Dichloroethene	0.984	mg/kg	0.0024	ND
1,2,3-Trichlorobenzene	0.984	mg/kg	0.0024	ND
1,2,4-Trichlorobenzene	0.984	mg/kg	0.0024	ND
1,2-Dibromo-3-chloropropane	0.984	mg/kg	0.0024	ND
1,2-Dibromoethane	0.984	mg/kg	0.0012	ND
1,2-Dichlorobenzene	0.984	mg/kg	0.0024	ND
1,2-Dichloroethane	0.984	mg/kg	0.0024	ND
1,2-Dichloropropane	0.984	mg/kg	0.0024	ND
1,3-Dichlorobenzene	0.984	mg/kg	0.0024	ND
1,3-Dichloropropene (Total)	0.984	mg/kg	0.0024	ND
1,4-Dichlorobenzene	0.984	mg/kg	0.0024	ND
1,4-Dioxane	0.984	mg/kg	0.12	ND
2-Butanone	0.984	mg/kg	0.0024	ND
2-Hexanone	0.984	mg/kg	0.0024	ND
4-Methyl-2-pentanone	0.984	mg/kg	0.0024	ND
Acetone	0.984	mg/kg	0.012	ND
Benzene	0.984	mg/kg	0.0012	ND
Bromochloromethane	0.984	mg/kg	0.0024	ND
Bromodichloromethane	0.984	mg/kg	0.0024	ND
Bromoform	0.984	mg/kg	0.0024	ND
Bromomethane	0.984	mg/kg	0.0024	ND
Carbon disulfide	0.984	mg/kg	0.0059	ND

Sample ID: SB-08-0-2.0' **Collection Date:** 11/27/2024
Lab#: AD48435-023 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.984	mg/kg	0.0024	ND
Chlorobenzene	0.984	mg/kg	0.0024	ND
Chloroethane	0.984	mg/kg	0.0024	ND
Chloroform	0.984	mg/kg	0.0024	ND
Chloromethane	0.984	mg/kg	0.0024	ND
cis-1,2-Dichloroethene	0.984	mg/kg	0.0024	ND
cis-1,3-Dichloropropene	0.984	mg/kg	0.0024	ND
Cyclohexane	0.984	mg/kg	0.0024	ND
Dibromochloromethane	0.984	mg/kg	0.0024	ND
Dichlorodifluoromethane	0.984	mg/kg	0.0024	ND
Ethylbenzene	0.984	mg/kg	0.0012	ND
Isopropylbenzene	0.984	mg/kg	0.0012	ND
m&p-Xylenes	0.984	mg/kg	0.0017	ND
Methyl Acetate	0.984	mg/kg	0.0024	ND
Methylcyclohexane	0.984	mg/kg	0.0024	ND
Methylene chloride	0.984	mg/kg	0.0024	ND
Methyl-t-butyl ether	0.984	mg/kg	0.0012	ND
o-Xylene	0.984	mg/kg	0.0012	ND
Styrene	0.984	mg/kg	0.0024	ND
Tetrachloroethene	0.984	mg/kg	0.0024	ND
Toluene	0.984	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	0.984	mg/kg	0.0024	ND
trans-1,3-Dichloropropene	0.984	mg/kg	0.0024	ND
Trichloroethene	0.984	mg/kg	0.0024	ND
Trichlorofluoromethane	0.984	mg/kg	0.0024	ND
Vinyl chloride	0.984	mg/kg	0.0024	ND
Xylenes (Total)	0.984	mg/kg	0.0012	ND

Sample ID: SB-09-0-2.0' | Collection Date: 11/27/2024
Lab#: AD48435-024 | Receipt Date: 11/27/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		91

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.092	0.093

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0055	ND
Aldrin	1	mg/kg	0.0055	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane (Total)	1	mg/kg	0.0055	ND
delta-BHC	1	mg/kg	0.0055	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0055	ND
Endosulfan II	1	mg/kg	0.0055	ND
Endosulfan Sulfate	1	mg/kg	0.0055	ND
Endrin	1	mg/kg	0.0055	ND
Endrin Aldehyde	1	mg/kg	0.0055	ND
Endrin Ketone	1	mg/kg	0.0055	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0055	ND
Heptachlor Epoxide	1	mg/kg	0.0055	ND
Methoxychlor	1	mg/kg	0.0055	ND
p,p'-DDD	1	mg/kg	0.0027	ND
p,p'-DDE	1	mg/kg	0.0027	ND
p,p'-DDT	1	mg/kg	0.0027	ND
Toxaphene	1	mg/kg	0.027	ND
y-Chlordane	1	mg/kg	0.0055	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.037	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.037	ND
1,4-Dioxane	1	mg/kg	0.037	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.037	ND
2,4,5-Trichlorophenol	1	mg/kg	0.037	ND
2,4,6-Trichlorophenol	1	mg/kg	0.037	ND
2,4-Dichlorophenol	1	mg/kg	0.037	ND
2,4-Dimethylphenol	1	mg/kg	0.037	ND
2,4-Dinitrophenol	1	mg/kg	0.18	ND

Sample ID:	**SB-09-0-2.0'**
Lab#:	**AD48435-024**
Matrix:	**Soil**
Collection Date:	**11/27/2024**
Receipt Date:	**11/27/2024**

2,4-Dinitrotoluene	1	mg/kg	0.037	ND
2,6-Dinitrotoluene	1	mg/kg	0.037	ND
2-Chloronaphthalene	1	mg/kg	0.037	ND
2-Chlorophenol	1	mg/kg	0.037	ND
2-Methylnaphthalene	1	mg/kg	0.037	ND
2-Methylphenol	1	mg/kg	0.037	ND
2-Nitroaniline	1	mg/kg	0.037	ND
2-Nitrophenol	1	mg/kg	0.037	ND
3&4-Methylphenol	1	mg/kg	0.037	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.037	ND
3-Nitroaniline	1	mg/kg	0.037	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.18	ND
4-Bromophenyl-phenylether	1	mg/kg	0.037	ND
4-Chloro-3-methylphenol	1	mg/kg	0.037	ND
4-Chloroaniline	1	mg/kg	0.037	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.037	ND
4-Nitroaniline	1	mg/kg	0.037	ND
4-Nitrophenol	1	mg/kg	0.037	ND
Acenaphthene	1	mg/kg	0.037	ND
Acenaphthylene	1	mg/kg	0.037	ND
Acetophenone	1	mg/kg	0.037	ND
Anthracene	1	mg/kg	0.037	ND
Atrazine	1	mg/kg	0.037	ND
Benzaldehyde	1	mg/kg	0.037	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.037**	**0.059**
Benzo[a]pyrene	**1**	**mg/kg**	**0.037**	**0.063**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.037**	**0.091**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.037**	**0.055**
Benzo[k]fluoranthene	1	mg/kg	0.037	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.037	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.014	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.037	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.037	ND
Butylbenzylphthalate	1	mg/kg	0.037	ND
Caprolactam	1	mg/kg	0.037	ND
Carbazole	1	mg/kg	0.037	ND
Chrysene	**1**	**mg/kg**	**0.037**	**0.061**
Dibenzo[a,h]anthracene	1	mg/kg	0.037	ND
Dibenzofuran	1	mg/kg	0.037	ND
Diethylphthalate	1	mg/kg	0.037	ND
Dimethylphthalate	1	mg/kg	0.037	ND
Di-n-butylphthalate	1	mg/kg	0.18	ND
Di-n-octylphthalate	1	mg/kg	0.037	ND
Fluoranthene	**1**	**mg/kg**	**0.037**	**0.090**
Fluorene	1	mg/kg	0.037	ND
Hexachlorobenzene	1	mg/kg	0.037	ND
Hexachlorobutadiene	1	mg/kg	0.037	ND
Hexachlorocyclopentadiene	1	mg/kg	0.18	ND
Hexachloroethane	1	mg/kg	0.037	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.037**	**0.057**
Isophorone	1	mg/kg	0.037	ND
Naphthalene	1	mg/kg	0.037	ND
Nitrobenzene	1	mg/kg	0.037	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.037	ND
N-Nitrosodiphenylamine	1	mg/kg	0.037	ND
Pentachlorophenol	1	mg/kg	0.18	ND
Phenanthrene	**1**	**mg/kg**	**0.037**	**0.042**

Sample ID:	**SB-09-0-2.0'**	**Collection Date:**	**11/27/2024**
Lab#:	**AD48435-024**	**Receipt Date:**	**11/27/2024**
Matrix:	**Soil**		

Phenol	1	mg/kg	0.037	ND
Pyrene	**1**	**mg/kg**	**0.037**	**0.081**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**22**	**6800**
Antimony	1	mg/kg	0.33	ND
Arsenic	**1**	**mg/kg**	**0.22**	**3.9**
Barium	**1**	**mg/kg**	**0.55**	**54**
Beryllium	**1**	**mg/kg**	**0.11**	**0.32**
Cadmium	1	mg/kg	0.22	ND
Calcium	**1**	**mg/kg**	**110**	**1000**
Chromium	**1**	**mg/kg**	**0.22**	**17**
Cobalt	**1**	**mg/kg**	**0.22**	**5.7**
Copper	**1**	**mg/kg**	**1.1**	**30**
Iron	**1**	**mg/kg**	**33**	**15000**
Lead	**1**	**mg/kg**	**0.33**	**67**
Magnesium	**1**	**mg/kg**	**110**	**1800**
Manganese	**1**	**mg/kg**	**1.1**	**300**
Nickel	**1**	**mg/kg**	**1.1**	**14**
Potassium	**1**	**mg/kg**	**110**	**1000**
Selenium	**1**	**mg/kg**	**1.1**	**2.1**
Silver	1	mg/kg	0.22	ND
Sodium	1	mg/kg	110	ND
Thallium	1	mg/kg	0.22	ND
Vanadium	**1**	**mg/kg**	**0.22**	**24**
Zinc	**1**	**mg/kg**	**4.4**	**86**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.975	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.975	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.975	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.975	mg/kg	0.0021	ND
1,1-Dichloroethane	0.975	mg/kg	0.0021	ND
1,1-Dichloroethene	0.975	mg/kg	0.0021	ND
1,2,3-Trichlorobenzene	0.975	mg/kg	0.0021	ND
1,2,4-Trichlorobenzene	0.975	mg/kg	0.0021	ND
1,2-Dibromo-3-chloropropane	0.975	mg/kg	0.0021	ND
1,2-Dibromoethane	0.975	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.975	mg/kg	0.0021	ND
1,2-Dichloroethane	0.975	mg/kg	0.0021	ND
1,2-Dichloropropane	0.975	mg/kg	0.0021	ND
1,3-Dichlorobenzene	0.975	mg/kg	0.0021	ND
1,3-Dichloropropene (Total)	0.975	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.975	mg/kg	0.0021	ND
1,4-Dioxane	0.975	mg/kg	0.11	ND
2-Butanone	0.975	mg/kg	0.0021	ND
2-Hexanone	0.975	mg/kg	0.0021	ND
4-Methyl-2-pentanone	0.975	mg/kg	0.0021	ND
Acetone	0.975	mg/kg	0.011	ND
Benzene	0.975	mg/kg	0.0011	ND
Bromochloromethane	0.975	mg/kg	0.0021	ND
Bromodichloromethane	0.975	mg/kg	0.0021	ND
Bromoform	0.975	mg/kg	0.0021	ND
Bromomethane	0.975	mg/kg	0.0021	ND
Carbon disulfide	0.975	mg/kg	0.0054	ND

Sample ID: SB-09-0-2.0' **Collection Date:** 11/27/2024
Lab#: AD48435-024 **Receipt Date:** 11/27/2024
Matrix: Soil

Carbon tetrachloride	0.975	mg/kg	0.0021	ND
Chlorobenzene	0.975	mg/kg	0.0021	ND
Chloroethane	0.975	mg/kg	0.0021	ND
Chloroform	0.975	mg/kg	0.0021	ND
Chloromethane	0.975	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.975	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.975	mg/kg	0.0021	ND
Cyclohexane	0.975	mg/kg	0.0021	ND
Dibromochloromethane	0.975	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.975	mg/kg	0.0021	ND
Ethylbenzene	0.975	mg/kg	0.0011	ND
Isopropylbenzene	0.975	mg/kg	0.0011	ND
m&p-Xylenes	0.975	mg/kg	0.0015	ND
Methyl Acetate	0.975	mg/kg	0.0021	ND
Methylcyclohexane	0.975	mg/kg	0.0021	ND
Methylene chloride	0.975	mg/kg	0.0021	ND
Methyl-t-butyl ether	0.975	mg/kg	0.0011	ND
o-Xylene	0.975	mg/kg	0.0011	ND
Styrene	0.975	mg/kg	0.0021	ND
Tetrachloroethene	0.975	mg/kg	0.0021	ND
Toluene	0.975	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.975	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.975	mg/kg	0.0021	ND
Trichloroethene	0.975	mg/kg	0.0021	ND
Trichlorofluoromethane	0.975	mg/kg	0.0021	ND
Vinyl chloride	0.975	mg/kg	0.0021	ND
Xylenes (Total)	0.975	mg/kg	0.0011	ND

Sample ID: Trip Blank
Lab#: AD48435-025
Matrix: Aqueous

Collection Date: 11/27/2024
Receipt Date: 11/27/2024

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	1.0	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropene (Total)	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	**1**	**ug/l**	**5.0**	**5.8**
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	5.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.53	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-001
Client Id: SB-01-0-2.0'
Data File: 6M189402.D
Analysis Date: 12/02/24 11:51
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.08g
Final Vol: NA
Dilution: 0.984
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0023	U	56-23-5	Carbon Tetrachloride	0.0023	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	108-90-7	Chlorobenzene	0.0023	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0023	U	75-00-3	Chloroethane	0.0023	U
79-00-5	1,1,2-Trichloroethane	0.0023	U	67-66-3	Chloroform	0.0023	U
75-34-3	1,1-Dichloroethane	0.0023	U	74-87-3	Chloromethane	0.0023	U
75-35-4	1,1-Dichloroethene	0.0023	U	156-59-2	cis-1,2-Dichloroethene	0.0023	U
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	10061-01-5	cis-1,3-Dichloropropene	0.0023	U
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	110-82-7	Cyclohexane	0.0023	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0023	U	124-48-1	Dibromochloromethane	0.0023	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0023	U
95-50-1	1,2-Dichlorobenzene	0.0023	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0023	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0023	U	79601-23-1	m&p-Xylenes	0.0016	U
541-73-1	1,3-Dichlorobenzene	0.0023	U	79-20-9	Methyl Acetate	0.0023	U
106-46-7	1,4-Dichlorobenzene	0.0023	U	108-87-2	Methylcyclohexane	0.0023	U
123-91-1	1,4-Dioxane	0.11	U	75-09-2	Methylene Chloride	0.0023	U
78-93-3	2-Butanone	0.0023	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0023	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0023	U	100-42-5	Styrene	0.0023	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0023	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0023	U	156-60-5	trans-1,2-Dichloroethene	0.0023	U
75-27-4	Bromodichloromethane	0.0023	U	10061-02-6	trans-1,3-Dichloropropene	0.0023	U
75-25-2	Bromoform	0.0023	U	79-01-6	Trichloroethene	0.0023	U
74-83-9	Bromomethane	0.0023	U	75-69-4	Trichlorofluoromethane	0.0023	U
75-15-0	Carbon Disulfide	0.0057	U	75-01-4	Vinyl Chloride	0.0023	U
542-75-6	1,3-Dichloropropene (Total)	0.0023	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

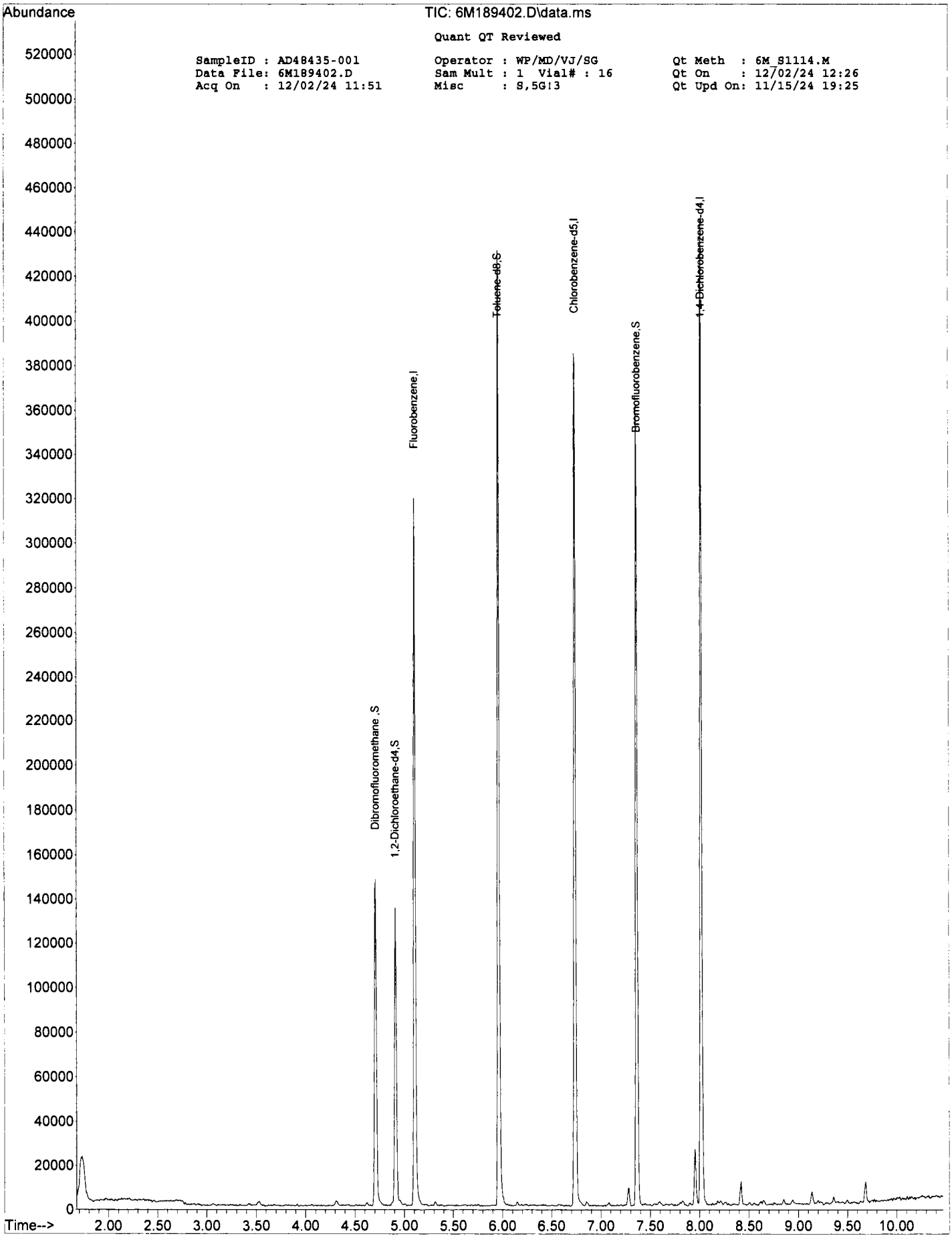
Quantitation Report (QT Reviewed)

SampleID : AD48435-001 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189402.D Sam Mult : 1 Vial# : 16 Qt On : 12/02/24 12:26
Acq On : 12/02/24 11:51 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-02-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	181743	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.742	117	155486	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	81588	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.712	111	57382	30.78	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.60%			
39) 1,2-Dichloroethane-d4	4.914	67	31881	38.62	ug/l	0.00
Spiked Amount 30.000			Recovery = 128.73%			
66) Toluene-d8	5.962	98	203680	34.54	ug/l	0.00
Spiked Amount 30.000			Recovery = 115.13%			
76) Bromofluorobenzene	7.370	174	67764	32.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.60%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189402.D\data.ms
Quant QT Reviewed
SampleID : AD48435-001
Data File: 6M189402.D
Acq On : 12/02/24 11:51
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 16
Misc : S,5G!3
Qt Meth : 6M_S1114.M
Qt On : 12/02/24 12:26
Qt Upd On: 11/15/24 19:25
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-002
Client Id: SB-02-0-2.0'
Data File: 11M131263.D
Analysis Date: 12/03/24 20:01
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.4g
Final Vol: NA
Dilution: 0.926
Solids: 87

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0021	U	56-23-5	Carbon Tetrachloride	0.0021	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	108-90-7	Chlorobenzene	0.0021	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0021	U	75-00-3	Chloroethane	0.0021	U
79-00-5	1,1,2-Trichloroethane	0.0021	U	67-66-3	Chloroform	0.0021	U
75-34-3	1,1-Dichloroethane	0.0021	U	74-87-3	Chloromethane	0.0021	U
75-35-4	1,1-Dichloroethene	0.0021	U	156-59-2	cis-1,2-Dichloroethene	0.0021	U
87-61-6	1,2,3-Trichlorobenzene	0.0021	U	10061-01-5	cis-1,3-Dichloropropene	0.0021	U
120-82-1	1,2,4-Trichlorobenzene	0.0021	U	110-82-7	Cyclohexane	0.0021	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0021	U	124-48-1	Dibromochloromethane	0.0021	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0021	U
95-50-1	1,2-Dichlorobenzene	0.0021	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0021	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0021	U	79601-23-1	m&p-Xylenes	0.0015	U
541-73-1	1,3-Dichlorobenzene	0.0021	U	79-20-9	Methyl Acetate	0.0021	U
106-46-7	1,4-Dichlorobenzene	0.0021	U	108-87-2	Methylcyclohexane	0.0021	U
123-91-1	1,4-Dioxane	0.11	U	75-09-2	Methylene Chloride	0.0021	U
78-93-3	2-Butanone	0.0021	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0021	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0021	U	100-42-5	Styrene	0.0021	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0021	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0021	U	156-60-5	trans-1,2-Dichloroethene	0.0021	U
75-27-4	Bromodichloromethane	0.0021	U	10061-02-6	trans-1,3-Dichloropropene	0.0021	U
75-25-2	Bromoform	0.0021	U	79-01-6	Trichloroethene	0.0021	U
74-83-9	Bromomethane	0.0021	U	75-69-4	Trichlorofluoromethane	0.0021	U
75-15-0	Carbon Disulfide	0.0053	U	75-01-4	Vinyl Chloride	0.0021	U
542-75-6	1,3-Dichloropropene (Total)	0.0021	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

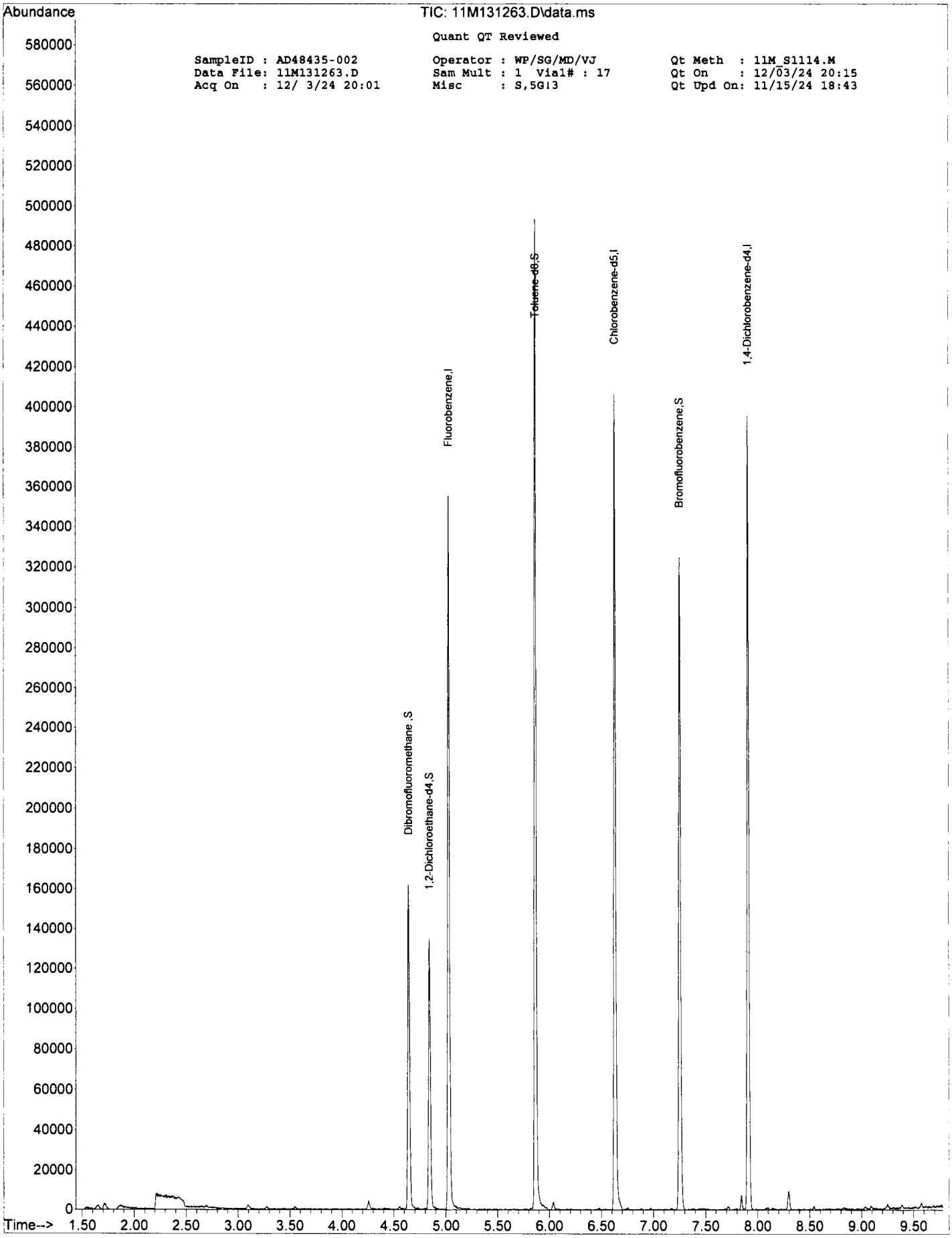
Quantitation Report (QT Reviewed)

SampleID : AD48435-002 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131263.D Sam Mult : 1 Vial# : 17 Qt On : 12/03/24 20:15
Acq On : 12/ 3/24 20:01 Misc : S,5G!3 Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.032	96	222320	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	178643	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.909	152	87301	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	63691	30.00	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.00%			
39) 1,2-Dichloroethane-d4	4.842	67	34415	19.62	ug/l	0.00
Spiked Amount 30.000			Recovery = 65.40%			
66) Toluene-d8	5.868	98	233431	32.03	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.77%			
76) Bromofluorobenzene	7.257	174	74697	31.72	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.73%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131263.D\data.ms
Quant QT Reviewed
SampleID : AD48435-002
Data File: 11M131263.D
Acq On : 12/ 3/24 20:01
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 17
Misc : S,5G13
Qt Meth : 11M_S1114.M
Qt On : 12/03/24 20:15
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-003
Client Id: SB-02-0-2.0' DUP
Data File: 6M189403.D
Analysis Date: 12/02/24 12:14
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.41g
Final Vol: NA
Dilution: 0.924
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0021	U	56-23-5	Carbon Tetrachloride	0.0021	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	108-90-7	Chlorobenzene	0.0021	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0021	U	75-00-3	Chloroethane	0.0021	U
79-00-5	1,1,2-Trichloroethane	0.0021	U	67-66-3	Chloroform	0.0021	U
75-34-3	1,1-Dichloroethane	0.0021	U	74-87-3	Chloromethane	0.0021	U
75-35-4	1,1-Dichloroethene	0.0021	U	156-59-2	cis-1,2-Dichloroethene	0.0021	U
87-61-6	1,2,3-Trichlorobenzene	0.0021	U	10061-01-5	cis-1,3-Dichloropropene	0.0021	U
120-82-1	1,2,4-Trichlorobenzene	0.0021	U	110-82-7	Cyclohexane	0.0021	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0021	U	124-48-1	Dibromochloromethane	0.0021	U
106-93-4	1,2-Dibromoethane	0.0010	U	75-71-8	Dichlorodifluoromethane	0.0021	U
95-50-1	1,2-Dichlorobenzene	0.0021	U	100-41-4	Ethylbenzene	0.0010	U
107-06-2	1,2-Dichloroethane	0.0021	U	98-82-8	Isopropylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0021	U	79601-23-1	m&p-Xylenes	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.0021	U	79-20-9	Methyl Acetate	0.0021	U
106-46-7	1,4-Dichlorobenzene	0.0021	U	108-87-2	Methylcyclohexane	0.0021	U
123-91-1	1,4-Dioxane	0.10	U	75-09-2	Methylene Chloride	0.0021	U
78-93-3	2-Butanone	0.0021	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
591-78-6	2-Hexanone	0.0021	U	95-47-6	o-Xylene	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.0021	U	100-42-5	Styrene	0.0021	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0021	U
71-43-2	Benzene	0.0010	U	108-88-3	Toluene	0.0010	U
74-97-5	Bromochloromethane	0.0021	U	156-60-5	trans-1,2-Dichloroethene	0.0021	U
75-27-4	Bromodichloromethane	0.0021	U	10061-02-6	trans-1,3-Dichloropropene	0.0021	U
75-25-2	Bromoform	0.0021	U	79-01-6	Trichloroethene	0.0021	U
74-83-9	Bromomethane	0.0021	U	75-69-4	Trichlorofluoromethane	0.0021	U
75-15-0	Carbon Disulfide	0.0051	U	75-01-4	Vinyl Chloride	0.0021	U
542-75-6	1,3-Dichloropropene (Total)	0.0021	U	1330-20-7	Xylenes (Total)	0.0010	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

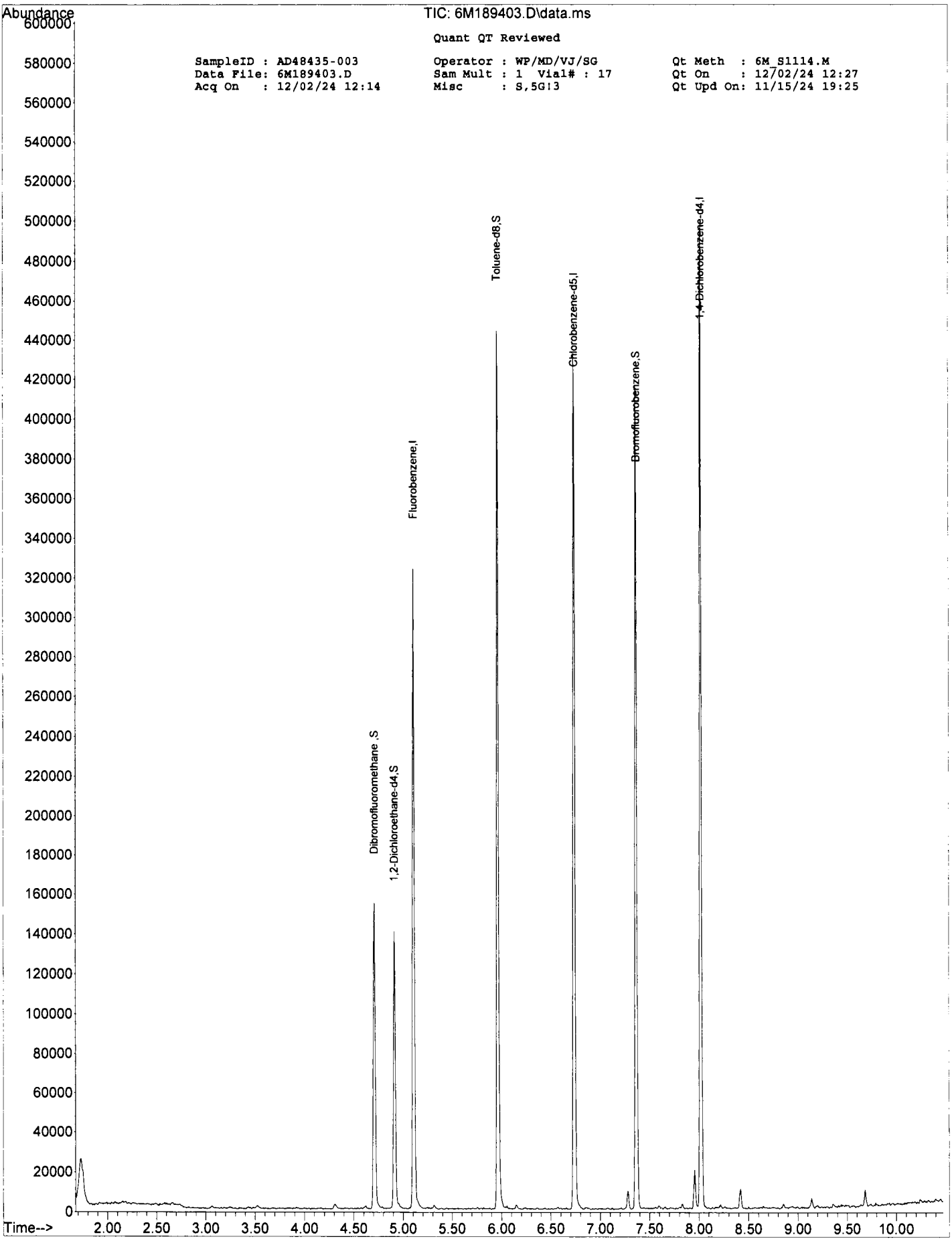
Quantitation Report (QT Reviewed)

SampleID : AD48435-003 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189403.D Sam Mult : 1 Vial# : 17 Qt On : 12/02/24 12:27
Acq On : 12/02/24 12:14 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-02-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	179596	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	167454	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	91867	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	59168	32.12	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.07%			
39) 1,2-Dichloroethane-d4	4.914	67	33501	41.07	ug/l	0.00
Spiked Amount 30.000			Recovery = 136.90%			
66) Toluene-d8	5.962	98	207034	32.60	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.67%			
76) Bromofluorobenzene	7.371	174	75332	32.46	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.20%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189403.D\data.ms
Quant QT Reviewed
SampleID : AD48435-003
Data File: 6M189403.D
Acq On : 12/02/24 12:14
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 17
Misc : S,5G!3
Qt Meth : 6M_S1114.M
Qt On : 12/02/24 12:27
Qt Upd On: 11/15/24 19:25
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-004
Client Id: SB-03-0-2.0'
Data File: 11M131264.D
Analysis Date: 12/03/24 20:22
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.74g
Final Vol: NA
Dilution: 0.871
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0020	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
120-82-1	1,2,4-Trichlorobenzene	0.0020	U	110-82-7	Cyclohexane	0.0020	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0020	U	124-48-1	Dibromochloromethane	0.0020	U
106-93-4	1,2-Dibromoethane	0.00098	U	75-71-8	Dichlorodifluoromethane	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	100-41-4	Ethylbenzene	0.00098	U
107-06-2	1,2-Dichloroethane	0.0020	U	98-82-8	Isopropylbenzene	0.00098	U
78-87-5	1,2-Dichloropropane	0.0020	U	79601-23-1	m&p-Xylenes	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	79-20-9	Methyl Acetate	0.0020	U
106-46-7	1,4-Dichlorobenzene	0.0020	U	108-87-2	Methylcyclohexane	0.0020	U
123-91-1	1,4-Dioxane	0.098	U	75-09-2	Methylene Chloride	0.0020	U
78-93-3	2-Butanone	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.00098	U
591-78-6	2-Hexanone	0.0020	U	95-47-6	o-Xylene	0.00098	U
108-10-1	4-Methyl-2-Pentanone	0.0020	U	100-42-5	Styrene	0.0020	U
67-64-1	Acetone	0.0098	U	127-18-4	Tetrachloroethene	0.0020	U
71-43-2	Benzene	0.00098	U	108-88-3	Toluene	0.00098	U
74-97-5	Bromochloromethane	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-25-2	Bromoform	0.0020	U	79-01-6	Trichloroethene	0.0020	U
74-83-9	Bromomethane	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
75-15-0	Carbon Disulfide	0.0049	U	75-01-4	Vinyl Chloride	0.0020	U
542-75-6	1,3-Dichloropropene (Total)	0.0020	U	1330-20-7	Xylenes (Total)	0.00098	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

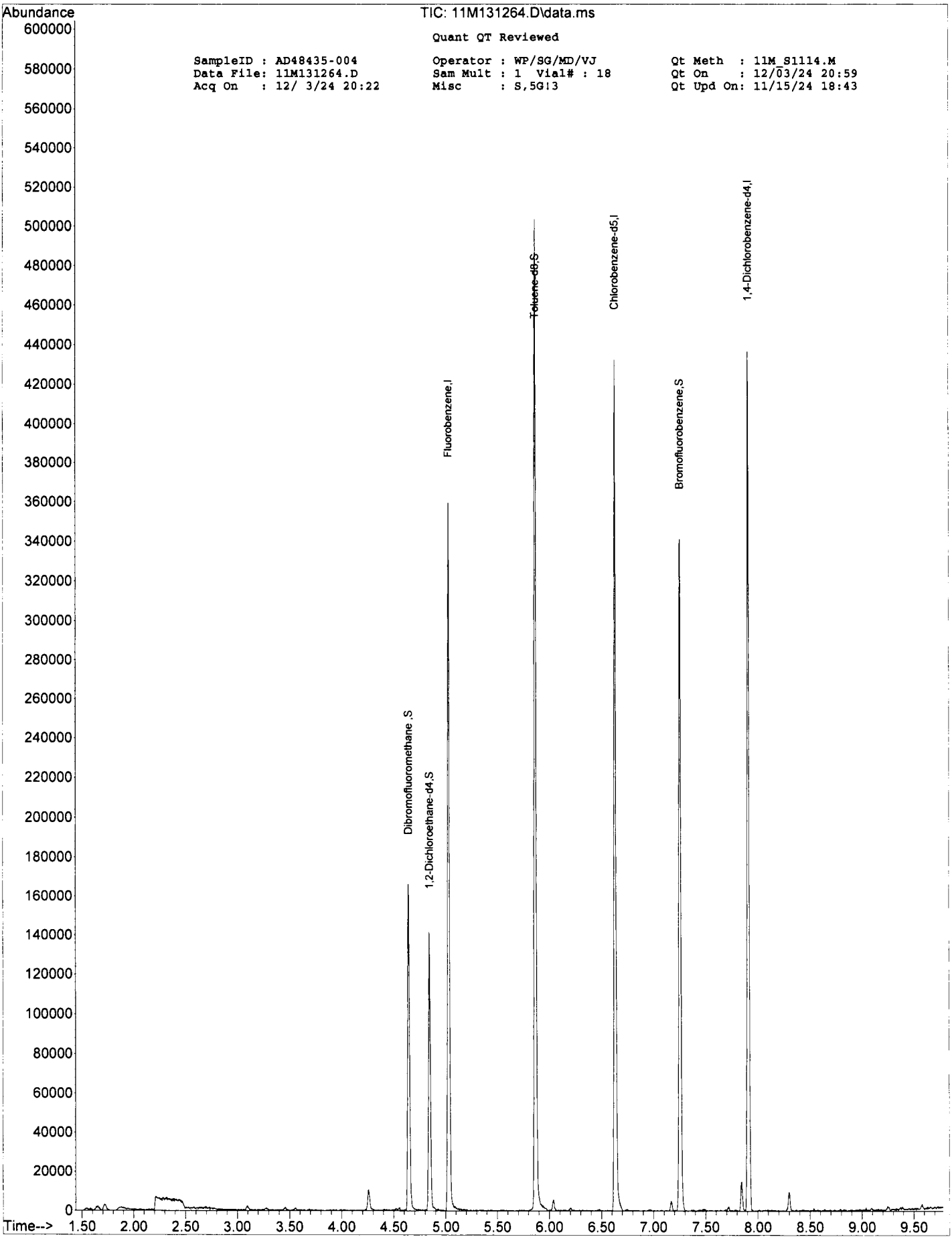
Quantitation Report (QT Reviewed)

SampleID : AD48435-004 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131264.D Sam Mult : 1 Vial# : 18 Qt On : 12/03/24 20:59
Acq On : 12/ 3/24 20:22 Misc : S,5G!3 Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.029	96	229036	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	189130	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.910	152	93755	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	65233	29.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.40%			
39) 1,2-Dichloroethane-d4	4.845	67	35186	19.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 64.93%			
66) Toluene-d8	5.868	98	239104	30.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.30%			
76) Bromofluorobenzene	7.257	174	78646	31.10	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.67%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131264.D\data.ms
Quant QT Reviewed
SampleID : AD48435-004
Data File: 11M131264.D
Acq On : 12/ 3/24 20:22
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 18
Misc : S,5G13
Qt Meth : 11M_S1114.M
Qt On : 12/03/24 20:59
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-005
Client Id: SB-04-0-2.0'
Data File: 11M131265.D
Analysis Date: 12/03/24 20:43
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.54g
Final Vol: NA
Dilution: 0.903
Solids: 71

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0025	U	56-23-5	Carbon Tetrachloride	0.0025	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	108-90-7	Chlorobenzene	0.0025	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0025	U	75-00-3	Chloroethane	0.0025	U
79-00-5	1,1,2-Trichloroethane	0.0025	U	67-66-3	Chloroform	0.0025	U
75-34-3	1,1-Dichloroethane	0.0025	U	74-87-3	Chloromethane	0.0025	U
75-35-4	1,1-Dichloroethene	0.0025	U	156-59-2	cis-1,2-Dichloroethene	0.0025	U
87-61-6	1,2,3-Trichlorobenzene	0.0025	U	10061-01-5	cis-1,3-Dichloropropene	0.0025	U
120-82-1	1,2,4-Trichlorobenzene	0.0025	U	110-82-7	Cyclohexane	0.0025	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0025	U	124-48-1	Dibromochloromethane	0.0025	U
106-93-4	1,2-Dibromoethane	0.0013	U	75-71-8	Dichlorodifluoromethane	0.0025	U
95-50-1	1,2-Dichlorobenzene	0.0025	U	100-41-4	Ethylbenzene	0.0013	U
107-06-2	1,2-Dichloroethane	0.0025	U	98-82-8	Isopropylbenzene	0.0013	U
78-87-5	1,2-Dichloropropane	0.0025	U	79601-23-1	m&p-Xylenes	0.0018	U
541-73-1	1,3-Dichlorobenzene	0.0025	U	79-20-9	Methyl Acetate	0.0025	U
106-46-7	1,4-Dichlorobenzene	0.0025	U	108-87-2	Methylcyclohexane	0.0025	U
123-91-1	1,4-Dioxane	0.13	U	75-09-2	Methylene Chloride	0.0025	U
78-93-3	2-Butanone	0.0025	U	1634-04-4	Methyl-t-butyl ether	0.0013	U
591-78-6	2-Hexanone	0.0025	U	95-47-6	o-Xylene	0.0013	U
108-10-1	4-Methyl-2-Pentanone	0.0025	U	100-42-5	Styrene	0.0025	U
67-64-1	Acetone	0.013	U	127-18-4	Tetrachloroethene	0.0025	U
71-43-2	Benzene	0.0013	U	108-88-3	Toluene	0.0013	U
74-97-5	Bromochloromethane	0.0025	U	156-60-5	trans-1,2-Dichloroethene	0.0025	U
75-27-4	Bromodichloromethane	0.0025	U	10061-02-6	trans-1,3-Dichloropropene	0.0025	U
75-25-2	Bromoform	0.0025	U	79-01-6	Trichloroethene	0.0025	U
74-83-9	Bromomethane	0.0025	U	75-69-4	Trichlorofluoromethane	0.0025	U
75-15-0	Carbon Disulfide	0.0064	U	75-01-4	Vinyl Chloride	0.0025	U
542-75-6	1,3-Dichloropropene (Total)	0.0025	U	1330-20-7	Xylenes (Total)	0.0013	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

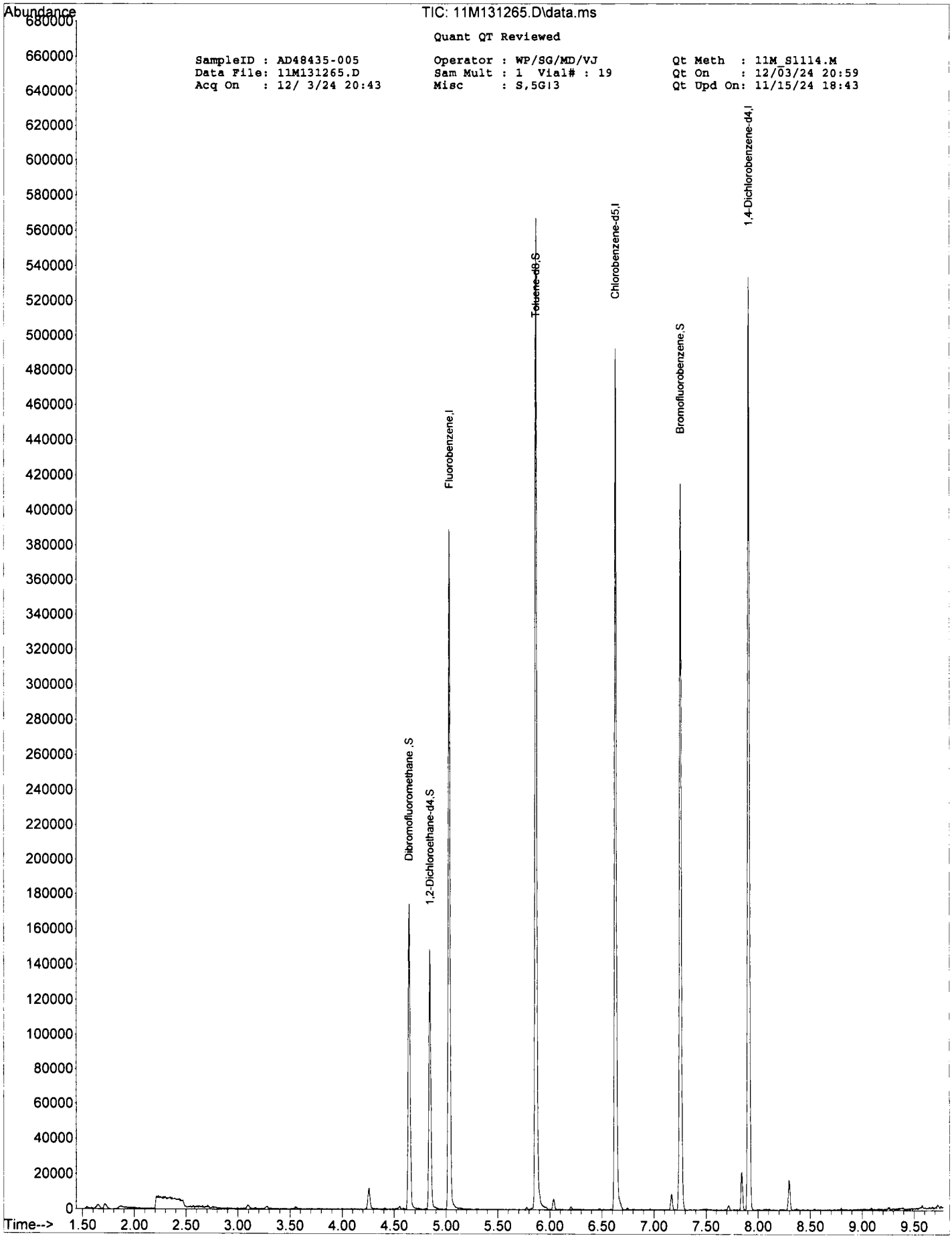
Quantitation Report (QT Reviewed)

SampleID : AD48435-005 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131265.D Sam Mult : 1 Vial# : 19 Qt On : 12/03/24 20:59
Acq On : 12/ 3/24 20:43 Misc : S,5G!3 Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.032	96	246420	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	211780	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.909	152	117306	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	68891	29.27	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.57%			
39) 1,2-Dichloroethane-d4	4.845	67	37486	19.28	ug/l	0.00
Spiked Amount 30.000			Recovery = 64.27%			
66) Toluene-d8	5.868	98	261367	30.26	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.87%			
76) Bromofluorobenzene	7.257	174	93636	29.60	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.67%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131265.D\data.ms
Quant QT Reviewed
SampleID : AD48435-005
Data File: 11M131265.D
Acq On : 12/ 3/24 20:43
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 19
Misc : S,5G13
Qt Meth : 11M_S1114.M
Qt On : 12/03/24 20:59
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-006
Client Id: SB-01-5.5-6.0'
Data File: 11M131266.D
Analysis Date: 12/03/24 21:04
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.26g
Final Vol: NA
Dilution: 0.951
Solids: 83

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0023	U	56-23-5	Carbon Tetrachloride	0.0023	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	108-90-7	Chlorobenzene	0.0023	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0023	U	75-00-3	Chloroethane	0.0023	U
79-00-5	1,1,2-Trichloroethane	0.0023	U	67-66-3	Chloroform	0.0023	U
75-34-3	1,1-Dichloroethane	0.0023	U	74-87-3	Chloromethane	0.0023	U
75-35-4	1,1-Dichloroethene	0.0023	U	156-59-2	cis-1,2-Dichloroethene	0.0023	U
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	10061-01-5	cis-1,3-Dichloropropene	0.0023	U
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	110-82-7	Cyclohexane	0.0023	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0023	U	124-48-1	Dibromochloromethane	0.0023	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0023	U
95-50-1	1,2-Dichlorobenzene	0.0023	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0023	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0023	U	79601-23-1	m&p-Xylenes	0.0016	U
541-73-1	1,3-Dichlorobenzene	0.0023	U	79-20-9	Methyl Acetate	0.0023	U
106-46-7	1,4-Dichlorobenzene	0.0023	U	108-87-2	Methylcyclohexane	0.0023	U
123-91-1	1,4-Dioxane	0.11	U	75-09-2	Methylene Chloride	0.0023	U
78-93-3	2-Butanone	0.0023	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0023	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0023	U	100-42-5	Styrene	0.0023	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0023	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0023	U	156-60-5	trans-1,2-Dichloroethene	0.0023	U
75-27-4	Bromodichloromethane	0.0023	U	10061-02-6	trans-1,3-Dichloropropene	0.0023	U
75-25-2	Bromoform	0.0023	U	79-01-6	Trichloroethene	0.0023	U
74-83-9	Bromomethane	0.0023	U	75-69-4	Trichlorofluoromethane	0.0023	U
75-15-0	Carbon Disulfide	0.0057	U	75-01-4	Vinyl Chloride	0.0023	U
542-75-6	1,3-Dichloropropene (Total)	0.0023	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

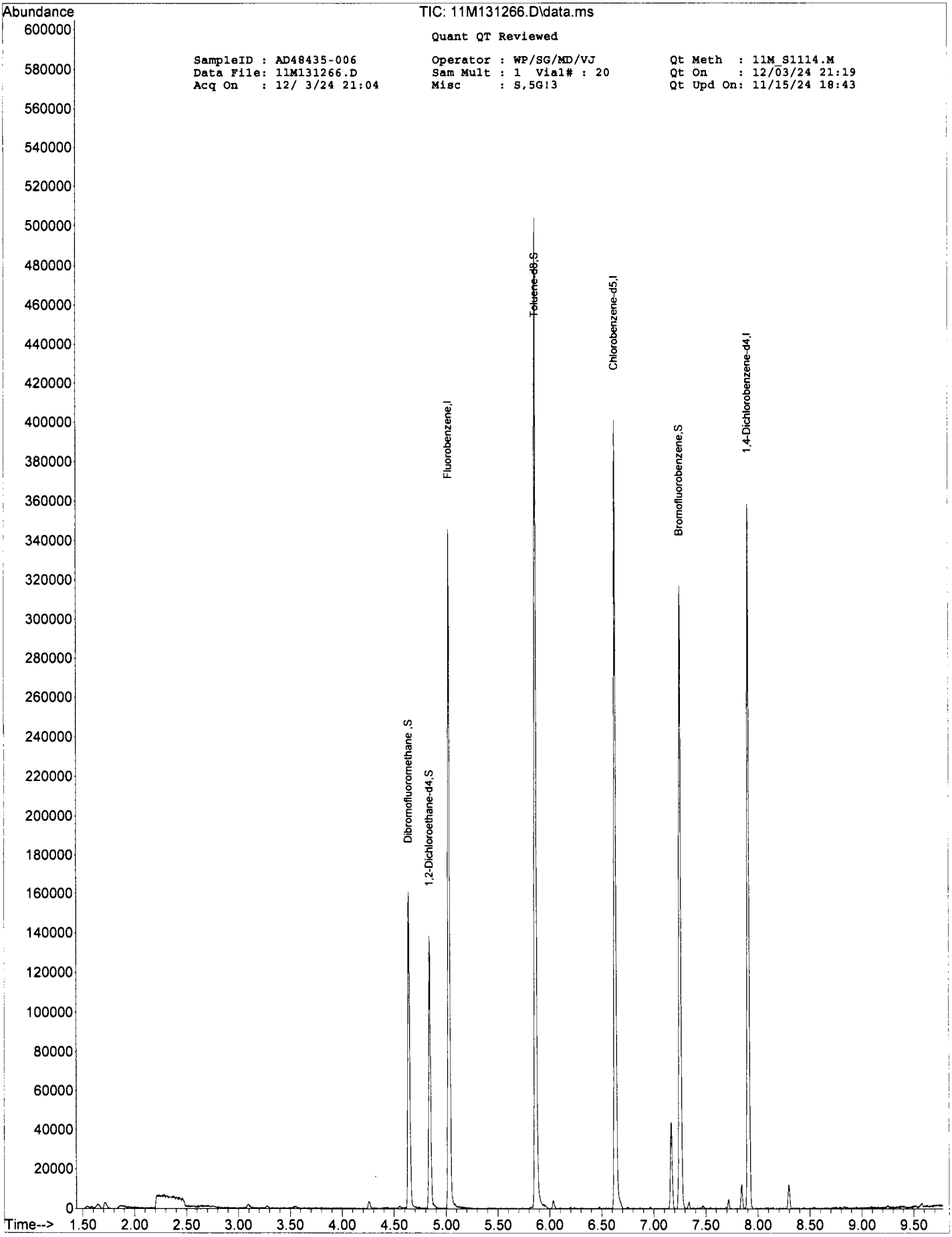
Quantitation Report (QT Reviewed)

SampleID : AD48435-006 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131266.D Sam Mult : 1 Vial# : 20 Qt On : 12/03/24 21:19
Acq On : 12/ 3/24 21:04 Misc : S,5G!3 Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.029	96	224352	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	176114	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.909	152	77272	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	62939	29.37	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.90%			
39) 1,2-Dichloroethane-d4	4.842	67	33766	19.08	ug/l	0.00
Spiked Amount 30.000			Recovery = 63.60%			
66) Toluene-d8	5.868	98	233417	32.49	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.30%			
76) Bromofluorobenzene	7.257	174	70833	33.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 113.30%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131266.D\data.ms
Quant QT Reviewed
SampleID : AD48435-006
Data File: 11M131266.D
Acq On : 12/ 3/24 21:04
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 20
Misc : S,5G!3
Qt Meth : 11M_S1114.M
Qt On : 12/03/24 21:19
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-008
Client Id: SB-06-0-2.0'
Data File: 11M131267.D
Analysis Date: 12/03/24 21:25
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.74g
Final Vol: NA
Dilution: 0.871
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0020	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
120-82-1	1,2,4-Trichlorobenzene	0.0020	U	110-82-7	Cyclohexane	0.0020	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0020	U	124-48-1	Dibromochloromethane	0.0020	U
106-93-4	1,2-Dibromoethane	0.0010	U	75-71-8	Dichlorodifluoromethane	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	100-41-4	Ethylbenzene	0.0010	U
107-06-2	1,2-Dichloroethane	0.0020	U	98-82-8	Isopropylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0020	U	79601-23-1	m&p-Xylenes	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	79-20-9	Methyl Acetate	0.0020	U
106-46-7	1,4-Dichlorobenzene	0.0020	U	108-87-2	Methylcyclohexane	0.0020	U
123-91-1	1,4-Dioxane	0.10	U	75-09-2	Methylene Chloride	0.0020	U
78-93-3	2-Butanone	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
591-78-6	2-Hexanone	0.0020	U	95-47-6	o-Xylene	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.0020	U	100-42-5	Styrene	0.0020	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0020	U
71-43-2	Benzene	0.0010	U	108-88-3	Toluene	0.0010	U
74-97-5	Bromochloromethane	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-25-2	Bromoform	0.0020	U	79-01-6	Trichloroethene	0.0020	U
74-83-9	Bromomethane	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
75-15-0	Carbon Disulfide	0.0051	U	75-01-4	Vinyl Chloride	0.0020	U
542-75-6	1,3-Dichloropropene (Total)	0.0020	U	1330-20-7	Xylenes (Total)	0.0010	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

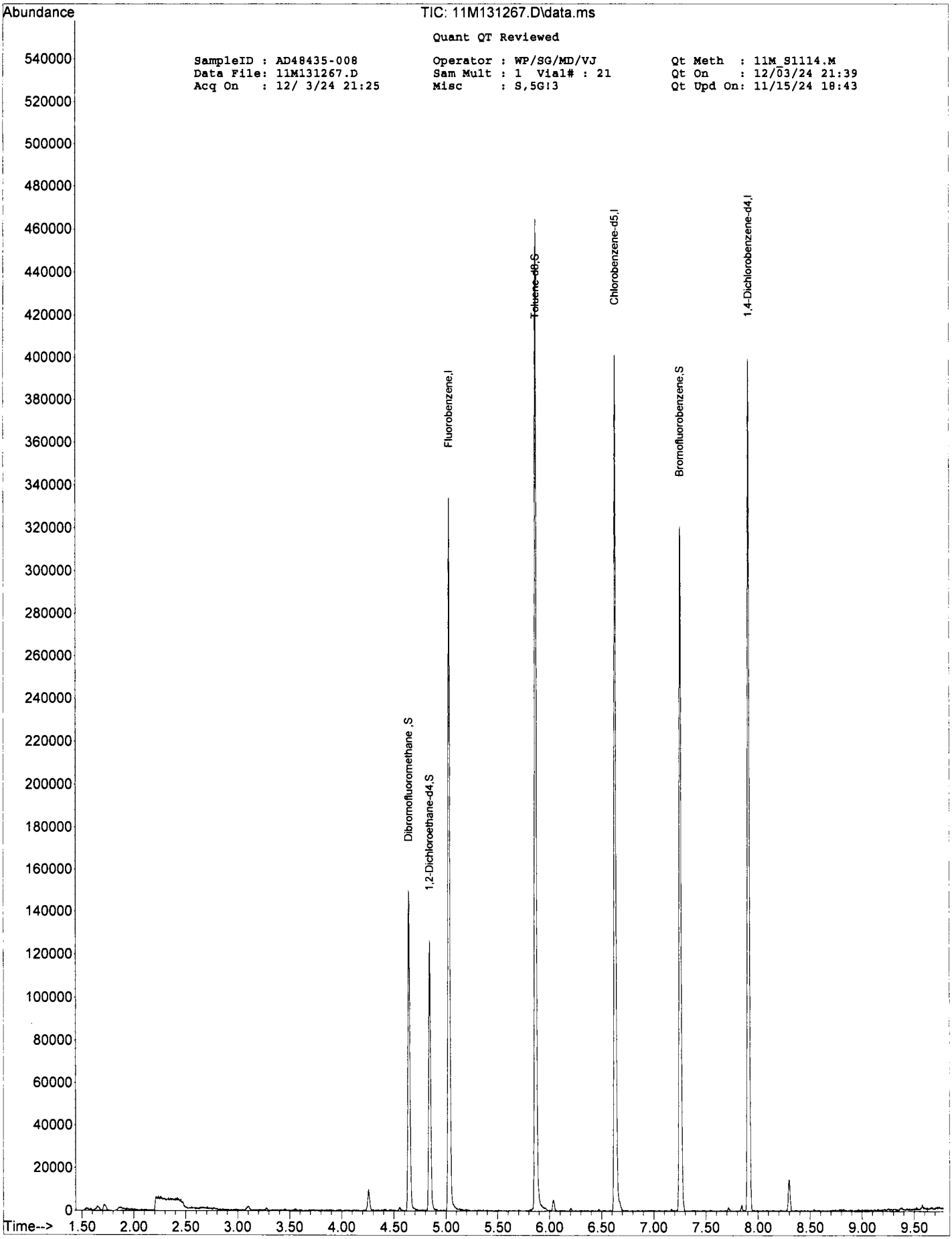
SampleID : AD48435-008 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131267.D Sam Mult : 1 Vial# : 21 Qt On : 12/03/24 21:39
Acq On : 12/ 3/24 21:25 Misc : S,5G!3 Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.032	96	210173	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	175389	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.913	152	88610	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	60003	29.89	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.63%			
39) 1,2-Dichloroethane-d4	4.842	67	32040	19.33	ug/l	0.00
Spiked Amount 30.000			Recovery = 64.43%			
66) Toluene-d8	5.868	98	222407	31.09	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.63%			
76) Bromofluorobenzene	7.257	174	73881	30.91	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.03%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131267.D\data.ms
Quant QT Reviewed
SampleID : AD48435-008
Data File: 11M131267.D
Acq On : 12/ 3/24 21:25
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 21
Misc : S,5G!3
Qt Meth : 11M_S1114.M
Qt On : 12/03/24 21:39
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-009
Client Id: SB-16-0-2.0'
Data File: 11M131268.D
Analysis Date: 12/03/24 21:46
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.57g
Final Vol: NA
Dilution: 0.898
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0020	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
120-82-1	1,2,4-Trichlorobenzene	0.0020	U	110-82-7	Cyclohexane	0.0020	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0020	U	124-48-1	Dibromochloromethane	0.0020	U
106-93-4	1,2-Dibromoethane	0.0010	U	75-71-8	Dichlorodifluoromethane	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	100-41-4	Ethylbenzene	0.0010	U
107-06-2	1,2-Dichloroethane	0.0020	U	98-82-8	Isopropylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0020	U	79601-23-1	m&p-Xylenes	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	79-20-9	Methyl Acetate	0.0020	U
106-46-7	1,4-Dichlorobenzene	0.0020	U	108-87-2	Methylcyclohexane	0.0020	U
123-91-1	1,4-Dioxane	0.10	U	75-09-2	Methylene Chloride	0.0020	U
78-93-3	2-Butanone	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
591-78-6	2-Hexanone	0.0020	U	95-47-6	o-Xylene	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.0020	U	100-42-5	Styrene	0.0020	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0020	U
71-43-2	Benzene	0.0010	U	108-88-3	Toluene	0.0010	U
74-97-5	Bromochloromethane	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-25-2	Bromoform	0.0020	U	79-01-6	Trichloroethene	0.0020	U
74-83-9	Bromomethane	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
75-15-0	Carbon Disulfide	0.0051	U	75-01-4	Vinyl Chloride	0.0020	U
542-75-6	1,3-Dichloropropene (Total)	0.0020	U	1330-20-7	Xylenes (Total)	0.0010	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

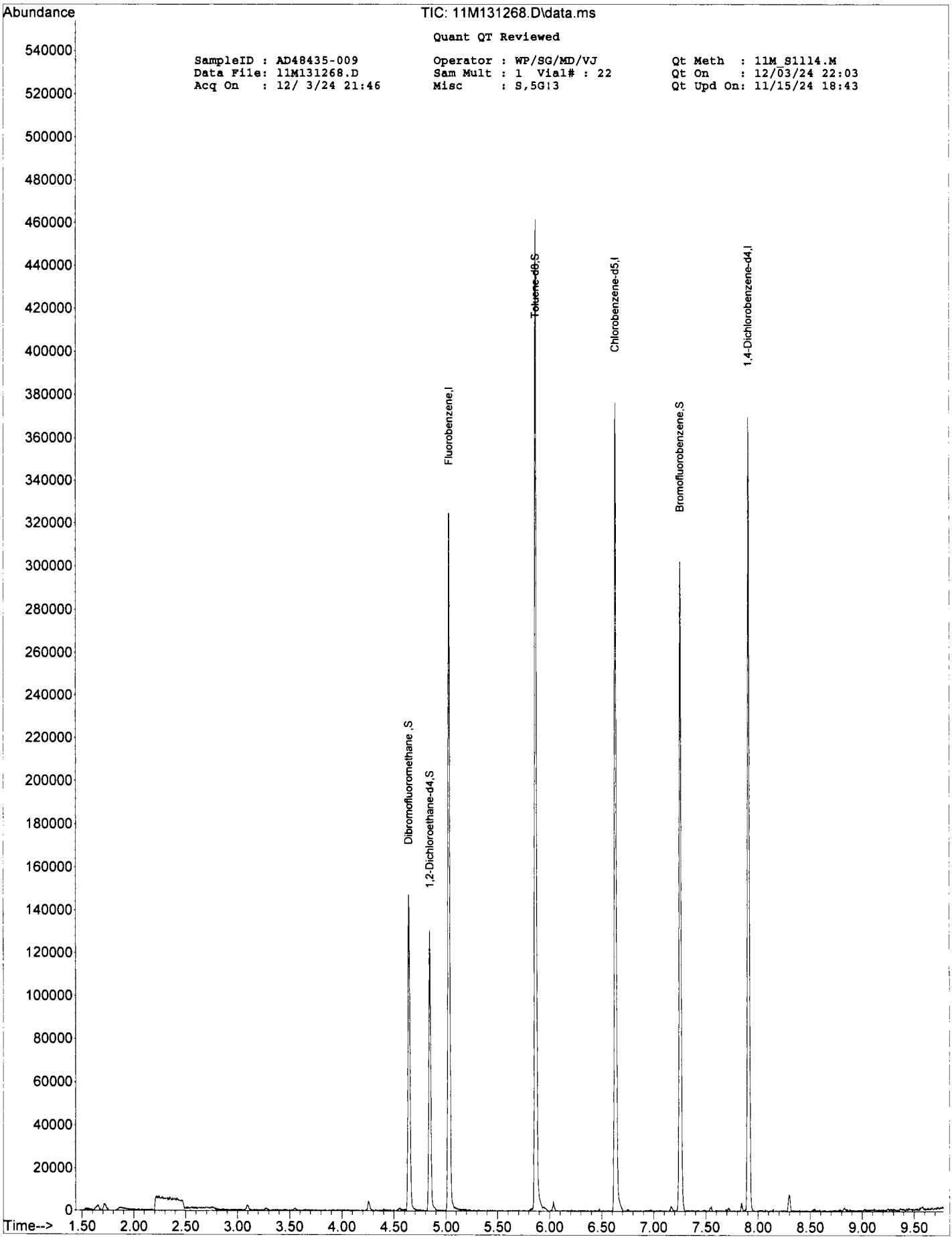
Quantitation Report (QT Reviewed)

SampleID : AD48435-009 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131268.D Sam Mult : 1 Vial# : 22 Qt On : 12/03/24 22:03
Acq On : 12/ 3/24 21:46 Misc : S,5G!3 Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.032	96	206263	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	165546	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.909	152	78539	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	58527	29.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.03%			
39) 1,2-Dichloroethane-d4	4.845	67	33044	20.31	ug/l	0.00
Spiked Amount 30.000			Recovery = 67.70%			
66) Toluene-d8	5.868	98	216241	32.02	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.73%			
76) Bromofluorobenzene	7.257	174	68195	32.19	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.30%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131268.D\data.ms
Quant QT Reviewed
SampleID : AD48435-009
Data File: 11M131268.D
Acq On : 12/ 3/24 21:46
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 22
Misc : S,5G13
Qt Meth : 11M_S1114.M
Qt On : 12/03/24 22:03
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-010
Client Id: SB-21-0-2.0'
Data File: 11M131269.D
Analysis Date: 12/03/24 22:08
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0022	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
87-61-6	1,2,3-Trichlorobenzene	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
120-82-1	1,2,4-Trichlorobenzene	0.0022	U	110-82-7	Cyclohexane	0.0022	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0022	U	124-48-1	Dibromochloromethane	0.0022	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	79601-23-1	m&p-Xylenes	0.0016	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	79-20-9	Methyl Acetate	0.0022	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	108-87-2	Methylcyclohexane	0.0022	U
123-91-1	1,4-Dioxane	0.11	U	75-09-2	Methylene Chloride	0.0022	U
78-93-3	2-Butanone	0.0022	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0022	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0022	U	100-42-5	Styrene	0.0022	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0022	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-25-2	Bromoform	0.0022	U	79-01-6	Trichloroethene	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
75-15-0	Carbon Disulfide	0.0056	U	75-01-4	Vinyl Chloride	0.0022	U
542-75-6	1,3-Dichloropropene (Total)	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

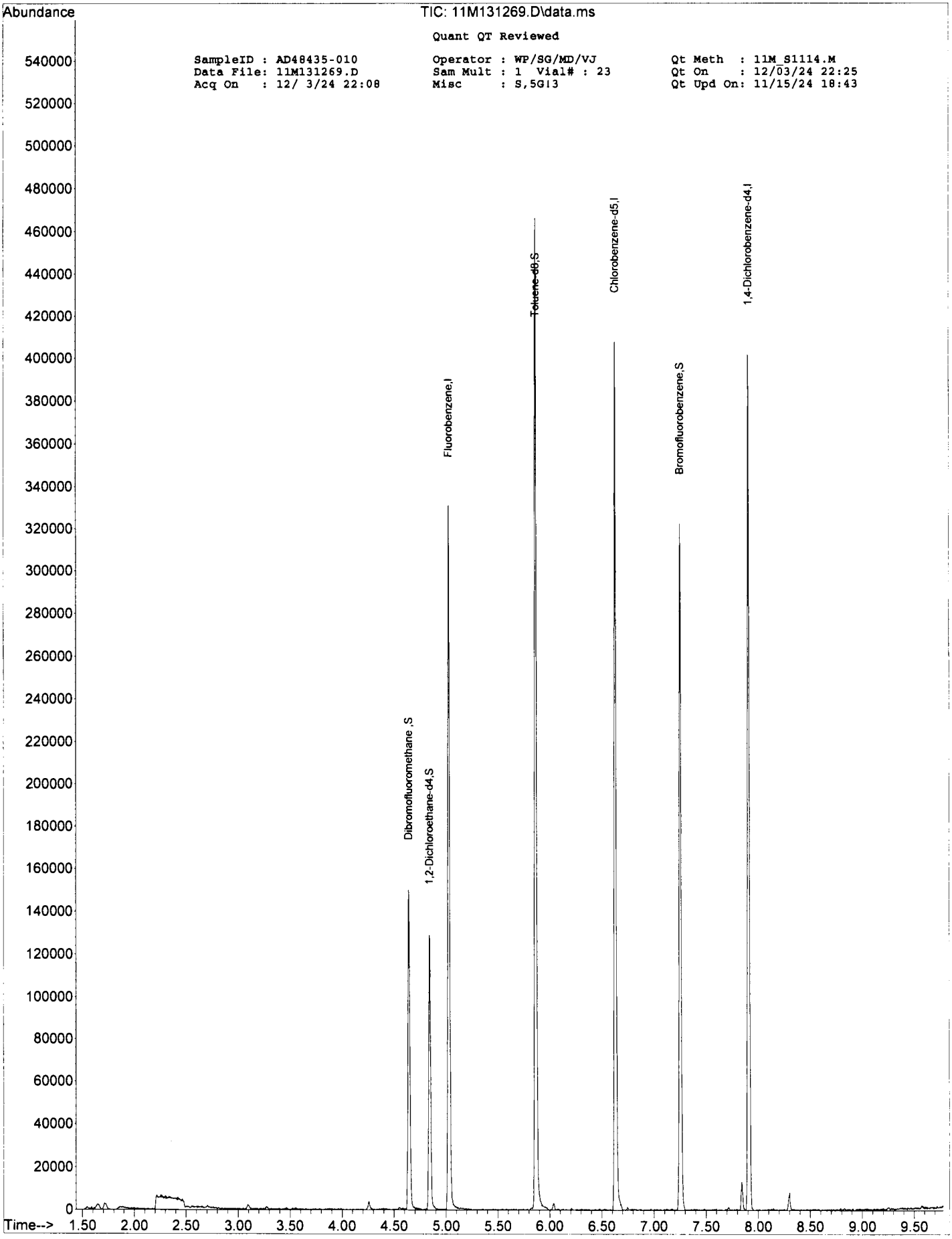
Quantitation Report (QT Reviewed)

SampleID : AD48435-010 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131269.D Sam Mult : 1 Vial# : 23 Qt On : 12/03/24 22:25
Acq On : 12/ 3/24 22:08 Misc : S,5G!3 Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.029	96	209669	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	177333	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.910	152	87229	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	59991	29.96	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.87%			
39) 1,2-Dichloroethane-d4	4.842	67	33152	20.04	ug/l	0.00
Spiked Amount 30.000			Recovery = 66.80%			
66) Toluene-d8	5.868	98	220509	30.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.60%			
76) Bromofluorobenzene	7.257	174	72779	30.94	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.13%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131269.D\data.ms
Quant QT Reviewed
SampleID : AD48435-010
Data File: 11M131269.D
Acq On : 12/ 3/24 22:08
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 23
Misc : S,5G13
Qt Meth : 11M_S1114.M
Qt On : 12/03/24 22:25
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-011
Client Id: SB-15-0-2.0'
Data File: 11M131270.D
Analysis Date: 12/03/24 22:29
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.12g
Final Vol: NA
Dilution: 0.977
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0023	U	56-23-5	Carbon Tetrachloride	0.0023	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	108-90-7	Chlorobenzene	0.0023	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0023	U	75-00-3	Chloroethane	0.0023	U
79-00-5	1,1,2-Trichloroethane	0.0023	U	67-66-3	Chloroform	0.0023	U
75-34-3	1,1-Dichloroethane	0.0023	U	74-87-3	Chloromethane	0.0023	U
75-35-4	1,1-Dichloroethene	0.0023	U	156-59-2	cis-1,2-Dichloroethene	0.0023	U
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	10061-01-5	cis-1,3-Dichloropropene	0.0023	U
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	110-82-7	Cyclohexane	0.0023	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0023	U	124-48-1	Dibromochloromethane	0.0023	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0023	U
95-50-1	1,2-Dichlorobenzene	0.0023	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0023	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0023	U	79601-23-1	m&p-Xylenes	0.0016	U
541-73-1	1,3-Dichlorobenzene	0.0023	U	79-20-9	Methyl Acetate	0.0023	U
106-46-7	1,4-Dichlorobenzene	0.0023	U	108-87-2	Methylcyclohexane	0.0023	U
123-91-1	1,4-Dioxane	0.11	U	75-09-2	Methylene Chloride	0.0023	U
78-93-3	2-Butanone	0.0023	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0023	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0023	U	100-42-5	Styrene	0.0023	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0023	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0023	U	156-60-5	trans-1,2-Dichloroethene	0.0023	U
75-27-4	Bromodichloromethane	0.0023	U	10061-02-6	trans-1,3-Dichloropropene	0.0023	U
75-25-2	Bromoform	0.0023	U	79-01-6	Trichloroethene	0.0023	U
74-83-9	Bromomethane	0.0023	U	75-69-4	Trichlorofluoromethane	0.0023	U
75-15-0	Carbon Disulfide	0.0057	U	75-01-4	Vinyl Chloride	0.0023	U
542-75-6	1,3-Dichloropropene (Total)	0.0023	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

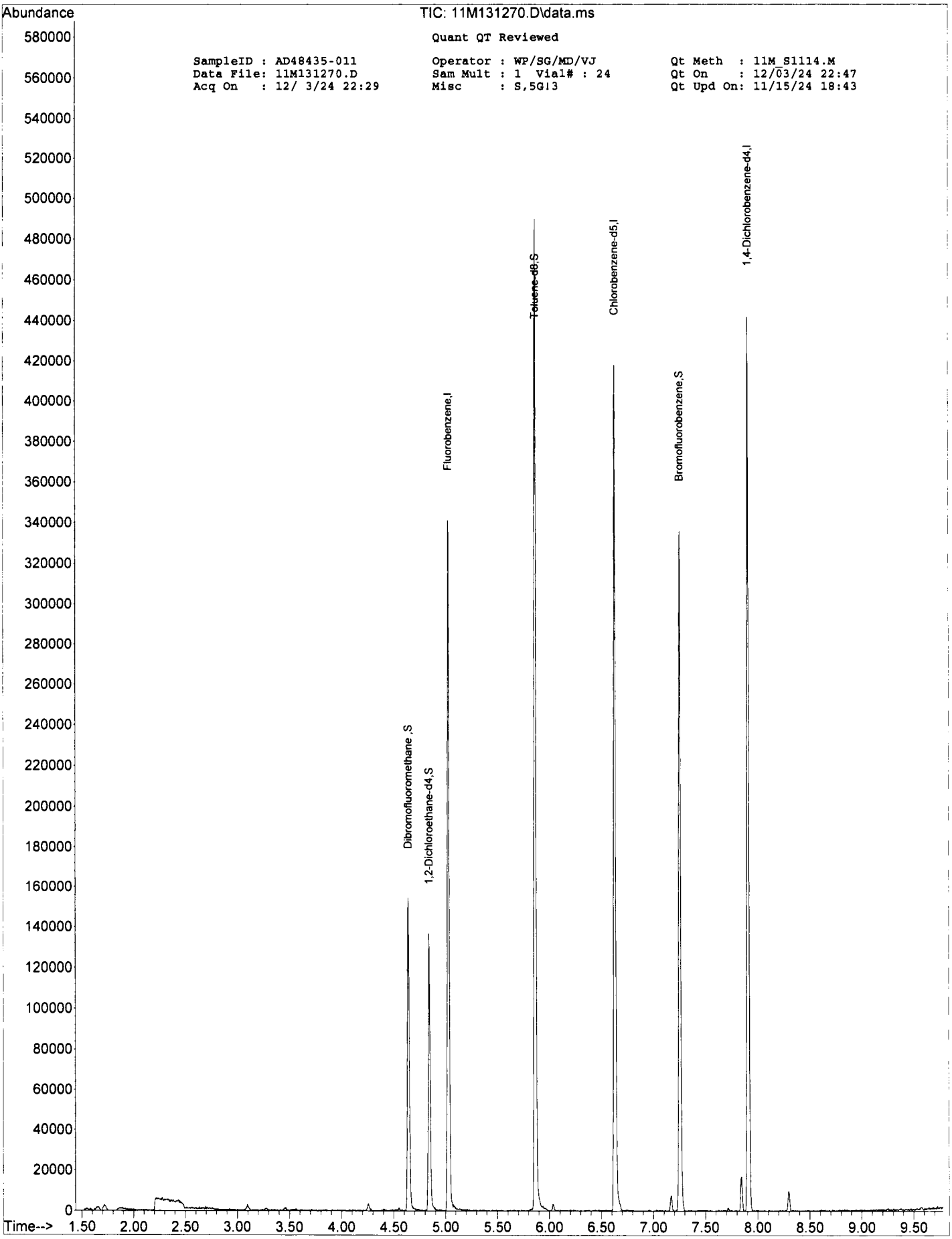
Quantitation Report (QT Reviewed)

SampleID : AD48435-011 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131270.D Sam Mult : 1 Vial# : 24 Qt On : 12/03/24 22:47
Acq On : 12/ 3/24 22:29 Misc : S,5G!3 Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.029	96	213305	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	181628	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.910	152	95729	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	61688	30.28	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.93%			
39) 1,2-Dichloroethane-d4	4.842	67	33793	20.08	ug/l	0.00
Spiked Amount 30.000			Recovery = 66.93%			
66) Toluene-d8	5.868	98	230630	31.13	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.77%			
76) Bromofluorobenzene	7.257	174	77345	29.96	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.87%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131270.D\data.ms
Quant QT Reviewed
SampleID : AD48435-011
Data File: 11M131270.D
Acq On : 12/ 3/24 22:29
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 24
Misc : S,5G13
Qt Meth : 11M_S1114.M
Qt On : 12/03/24 22:47
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-012
Client Id: SB-20-0-2.0'
Data File: 11M131271.D
Analysis Date: 12/03/24 22:50
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.17g
Final Vol: NA
Dilution: 0.967
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0022	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
87-61-6	1,2,3-Trichlorobenzene	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
120-82-1	1,2,4-Trichlorobenzene	0.0022	U	110-82-7	Cyclohexane	0.0022	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0022	U	124-48-1	Dibromochloromethane	0.0022	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	79601-23-1	m&p-Xylenes	0.0015	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	79-20-9	Methyl Acetate	0.0022	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	108-87-2	Methylcyclohexane	0.0022	U
123-91-1	1,4-Dioxane	0.11	U	75-09-2	Methylene Chloride	0.0022	U
78-93-3	2-Butanone	0.0022	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0022	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0022	U	100-42-5	Styrene	0.0022	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0022	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-25-2	Bromoform	0.0022	U	79-01-6	Trichloroethene	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
75-15-0	Carbon Disulfide	0.0054	U	75-01-4	Vinyl Chloride	0.0022	U
542-75-6	1,3-Dichloropropene (Total)	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

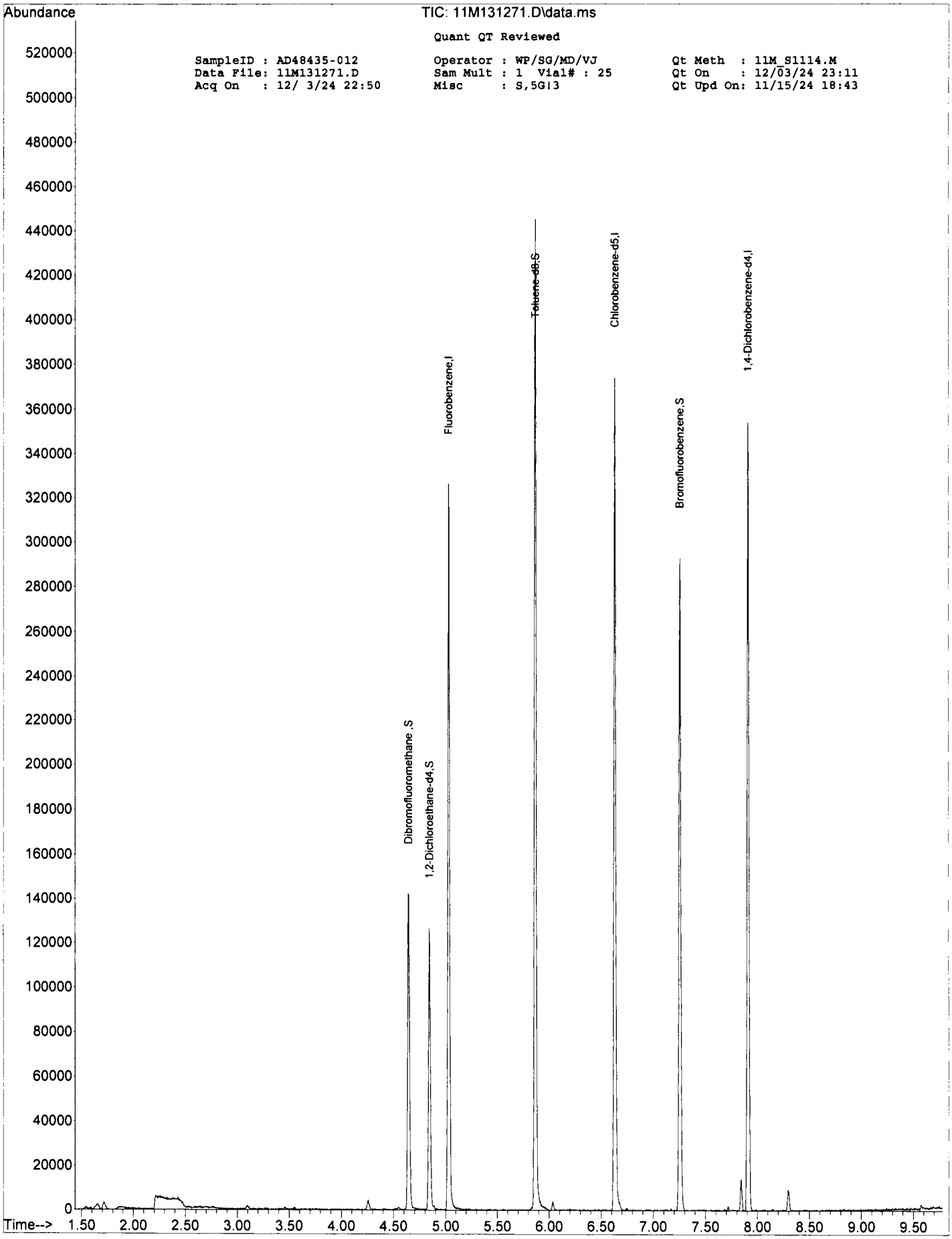
Quantitation Report (QT Reviewed)

SampleID : AD48435-012 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131271.D Sam Mult : 1 Vial# : 25 Qt On : 12/03/24 23:11
Acq On : 12/ 3/24 22:50 Misc : S,5G!3 Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.029	96	200965	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	161592	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.910	152	77197	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	58497	30.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.60%			
39) 1,2-Dichloroethane-d4	4.842	67	31636	19.96	ug/l	0.00
Spiked Amount 30.000			Recovery = 66.53%			
66) Toluene-d8	5.868	98	212511	32.24	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.47%			
76) Bromofluorobenzene	7.257	174	65511	31.46	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.87%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131271.D\data.ms
Quant QT Reviewed
SampleID : AD48435-012
Data File: 11M131271.D
Acq On : 12/ 3/24 22:50
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 25
Misc : S,5G13
Qt Meth : 11M_S1114.M
Qt On : 12/03/24 23:11
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-013
Client Id: SB-05-0-2.0'
Data File: 11M131272.D
Analysis Date: 12/03/24 23:11
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.3g
Final Vol: NA
Dilution: 0.943
Solids: 85

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0022	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
87-61-6	1,2,3-Trichlorobenzene	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
120-82-1	1,2,4-Trichlorobenzene	0.0022	U	110-82-7	Cyclohexane	0.0022	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0022	U	124-48-1	Dibromochloromethane	0.0022	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	79601-23-1	m&p-Xylenes	0.0016	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	79-20-9	Methyl Acetate	0.0022	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	108-87-2	Methylcyclohexane	0.0022	U
123-91-1	1,4-Dioxane	0.11	U	75-09-2	Methylene Chloride	0.0022	U
78-93-3	2-Butanone	0.0022	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0022	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0022	U	100-42-5	Styrene	0.0022	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0022	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-25-2	Bromoform	0.0022	U	79-01-6	Trichloroethene	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
75-15-0	Carbon Disulfide	0.0055	U	75-01-4	Vinyl Chloride	0.0022	U
542-75-6	1,3-Dichloropropene (Total)	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

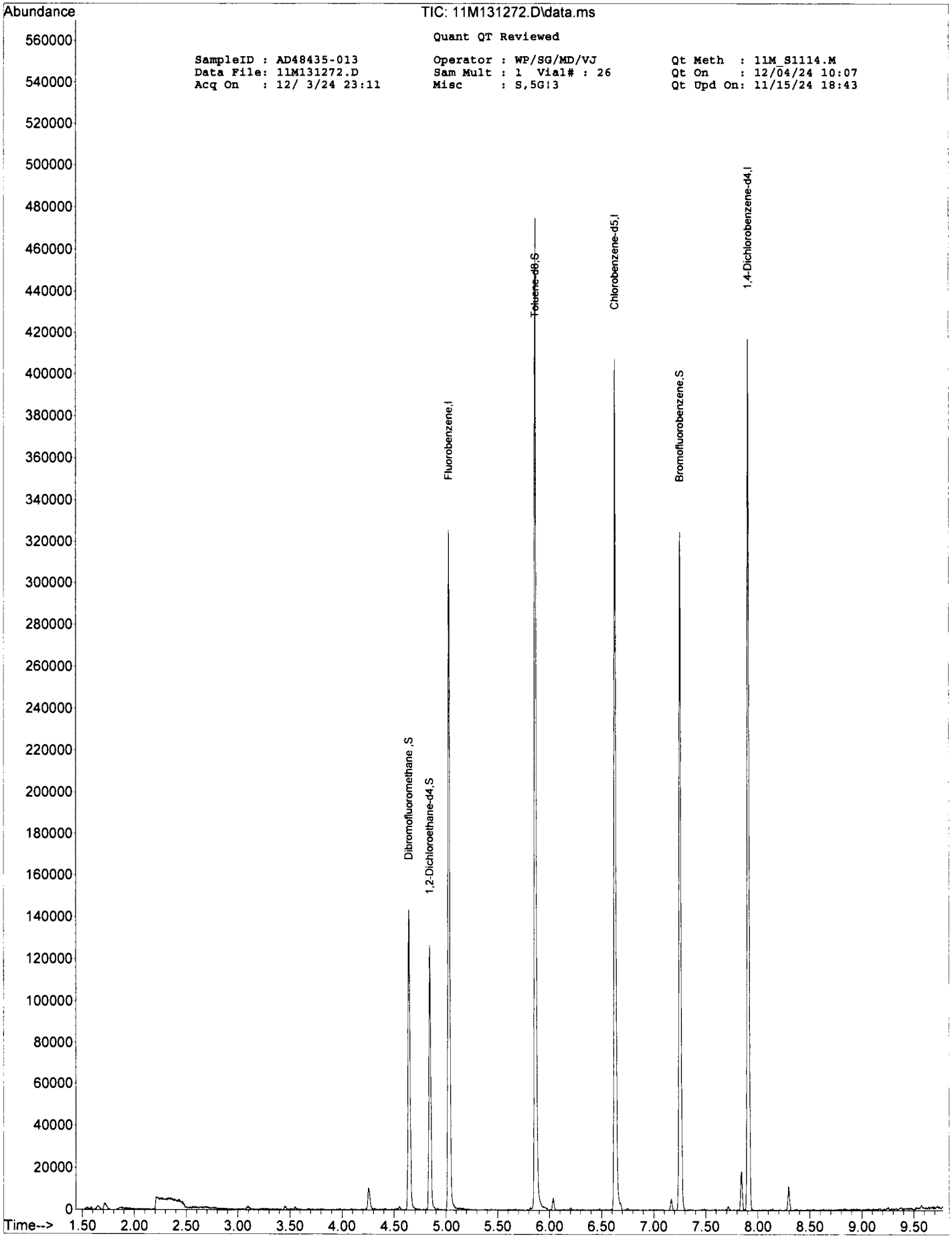
SampleID : AD48435-013 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131272.D Sam Mult : 1 Vial# : 26 Qt On : 12/04/24 10:07
Acq On : 12/ 3/24 23:11 Misc : S,5G!3 Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.029	96	204857	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	171183	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.910	152	86440	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	57684	29.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.27%			
39) 1,2-Dichloroethane-d4	4.842	67	31849	19.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 65.70%			
66) Toluene-d8	5.868	98	216517	31.01	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.37%			
76) Bromofluorobenzene	7.257	174	72365	31.04	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.47%			

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131272.D\data.ms
Quant QT Reviewed
SampleID : AD48435-013
Data File: 11M131272.D
Acq On : 12/ 3/24 23:11
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 26
Misc : S,5G13
Qt Meth : 11M_S1114.M
Qt On : 12/04/24 10:07
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-014
Client Id: SB-05-0-2.0' DUP
Data File: 11M131273.D
Analysis Date: 12/03/24 23:32
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.45g
Final Vol: NA
Dilution: 0.917
Solids: 85

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0022	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
87-61-6	1,2,3-Trichlorobenzene	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
120-82-1	1,2,4-Trichlorobenzene	0.0022	U	110-82-7	Cyclohexane	0.0022	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0022	U	124-48-1	Dibromochloromethane	0.0022	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	79601-23-1	m&p-Xylenes	0.0015	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	79-20-9	Methyl Acetate	0.0022	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	108-87-2	Methylcyclohexane	0.0022	U
123-91-1	1,4-Dioxane	0.11	U	75-09-2	Methylene Chloride	0.0022	U
78-93-3	2-Butanone	0.0022	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0022	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0022	U	100-42-5	Styrene	0.0022	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0022	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-25-2	Bromoform	0.0022	U	79-01-6	Trichloroethene	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
75-15-0	Carbon Disulfide	0.0054	U	75-01-4	Vinyl Chloride	0.0022	U
542-75-6	1,3-Dichloropropene (Total)	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

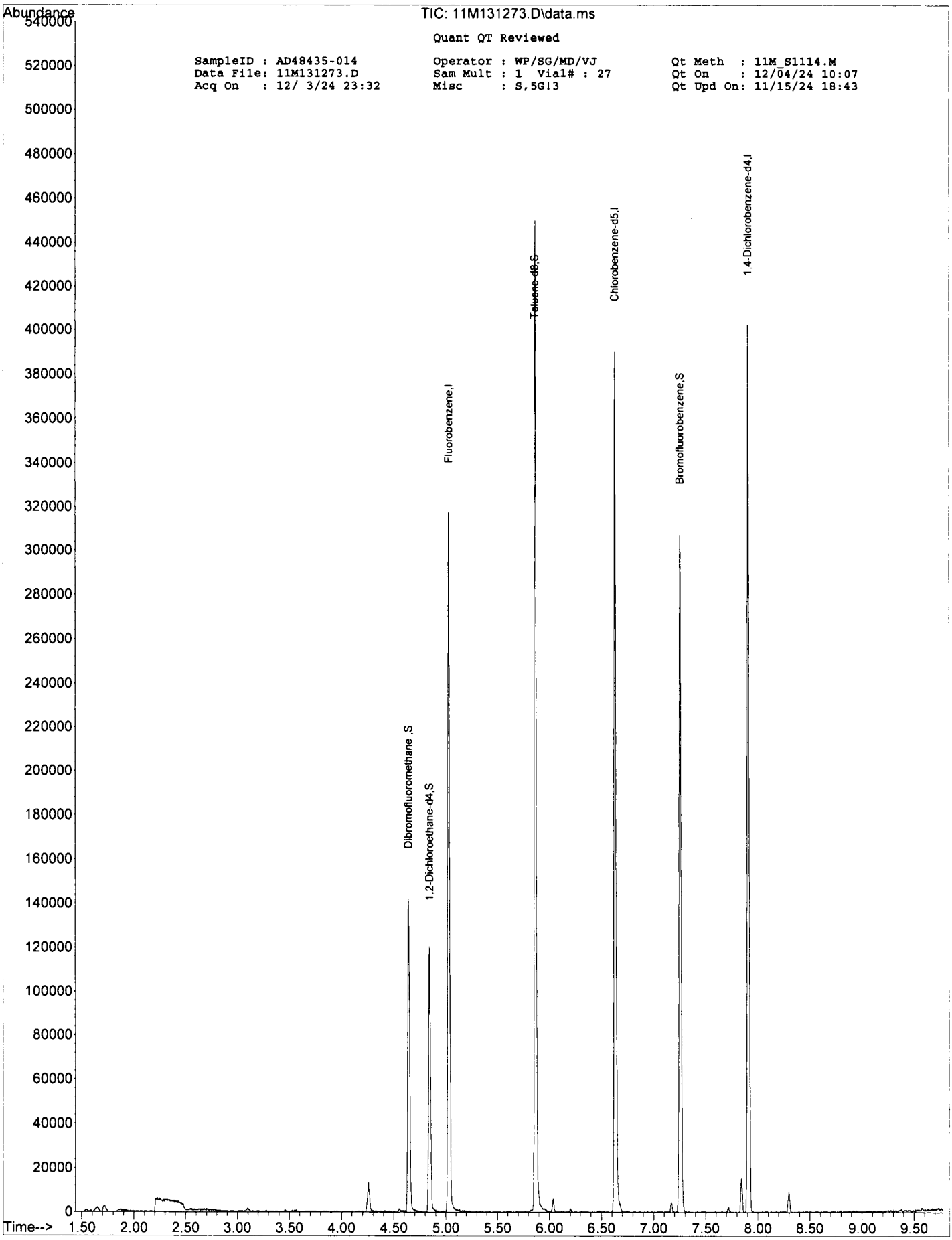
Quantitation Report (QT Reviewed)

SampleID : AD48435-014 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131273.D Sam Mult : 1 Vial# : 27 Qt On : 12/04/24 10:07
Acq On : 12/ 3/24 23:32 Misc : S,5G!3 Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.032	96	201923	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	166110	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.909	152	84184	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	57384	29.76	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.20%			
39) 1,2-Dichloroethane-d4	4.845	67	31817	19.98	ug/l	0.00
Spiked Amount 30.000			Recovery = 66.60%			
66) Toluene-d8	5.865	98	210182	31.02	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.40%			
76) Bromofluorobenzene	7.257	174	69439	30.58	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.93%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131273.D\data.ms
Quant QT Reviewed
SampleID : AD48435-014
Data File: 11M131273.D
Acq On : 12/ 3/24 23:32
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 27
Misc : S,5G13
Qt Meth : 11M_S1114.M
Qt On : 12/04/24 10:07
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-015
Client Id: SB-07-0-2.0'
Data File: 11M131274.D
Analysis Date: 12/03/24 23:53
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.33g
Final Vol: NA
Dilution: 0.938
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0021	U	56-23-5	Carbon Tetrachloride	0.0021	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	108-90-7	Chlorobenzene	0.0021	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0021	U	75-00-3	Chloroethane	0.0021	U
79-00-5	1,1,2-Trichloroethane	0.0021	U	67-66-3	Chloroform	0.0021	U
75-34-3	1,1-Dichloroethane	0.0021	U	74-87-3	Chloromethane	0.0021	U
75-35-4	1,1-Dichloroethene	0.0021	U	156-59-2	cis-1,2-Dichloroethene	0.0021	U
87-61-6	1,2,3-Trichlorobenzene	0.0021	U	10061-01-5	cis-1,3-Dichloropropene	0.0021	U
120-82-1	1,2,4-Trichlorobenzene	0.0021	U	110-82-7	Cyclohexane	0.0021	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0021	U	124-48-1	Dibromochloromethane	0.0021	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0021	U
95-50-1	1,2-Dichlorobenzene	0.0021	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0021	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0021	U	79601-23-1	m&p-Xylenes	0.0015	U
541-73-1	1,3-Dichlorobenzene	0.0021	U	79-20-9	Methyl Acetate	0.0021	U
106-46-7	1,4-Dichlorobenzene	0.0021	U	108-87-2	Methylcyclohexane	0.0021	U
123-91-1	1,4-Dioxane	0.11	U	75-09-2	Methylene Chloride	0.0021	U
78-93-3	2-Butanone	0.0021	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0021	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0021	U	100-42-5	Styrene	0.0021	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0021	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0021	U	156-60-5	trans-1,2-Dichloroethene	0.0021	U
75-27-4	Bromodichloromethane	0.0021	U	10061-02-6	trans-1,3-Dichloropropene	0.0021	U
75-25-2	Bromoform	0.0021	U	79-01-6	Trichloroethene	0.0021	U
74-83-9	Bromomethane	0.0021	U	75-69-4	Trichlorofluoromethane	0.0021	U
75-15-0	Carbon Disulfide	0.0053	U	75-01-4	Vinyl Chloride	0.0021	U
542-75-6	1,3-Dichloropropene (Total)	0.0021	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

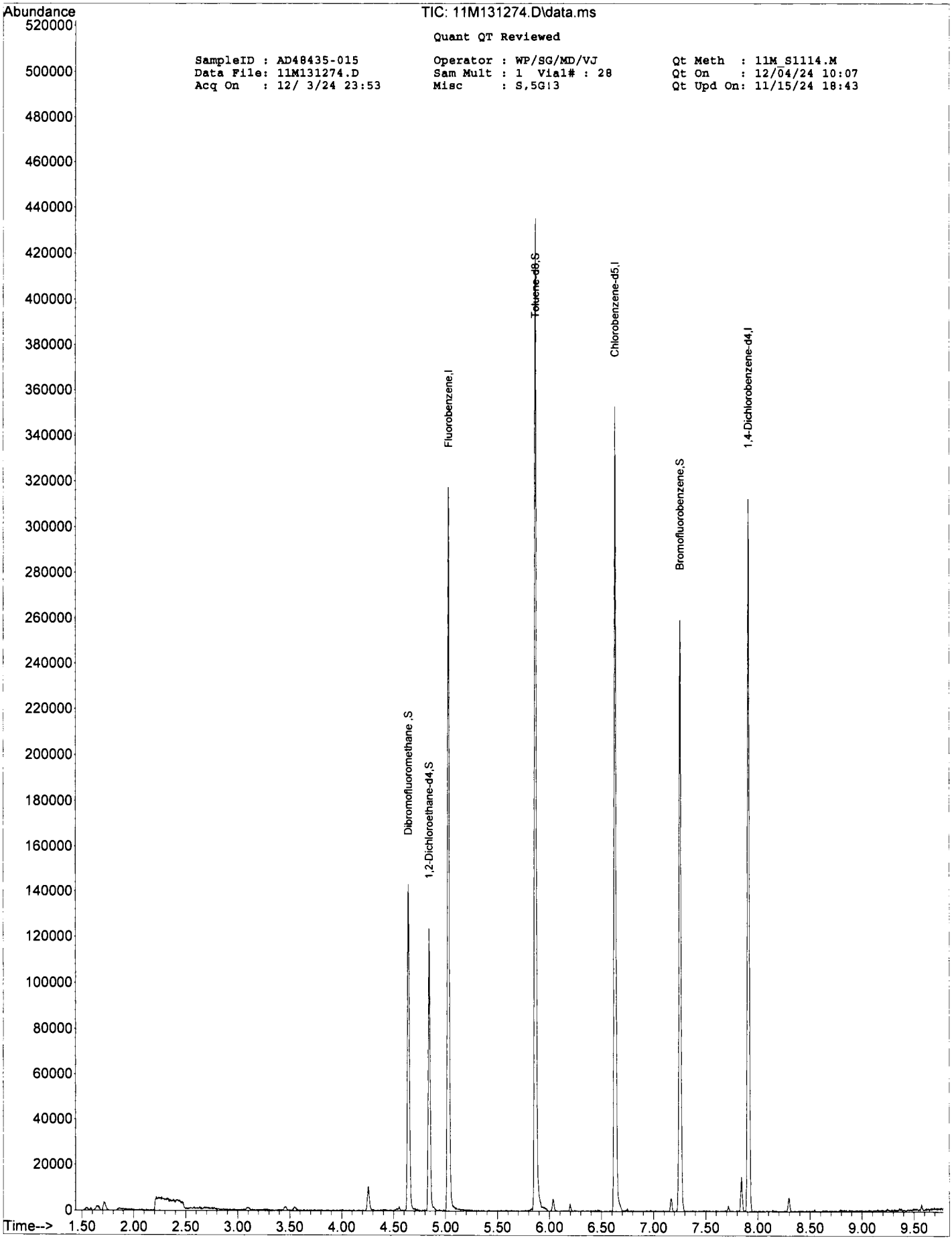
Data File: 11M131274.D Sam Mult : 1 Vial# : 28 Qt On : 12/04/24 10:07
Acq On : 12/ 3/24 23:53 Misc : S,5G!3 Qt Upd On: 11/15/24 18:43

SampleID : AD48435-015 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.032	96	194873	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	148572	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.910	152	67078	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	57098	30.68	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.27%			
39) 1,2-Dichloroethane-d4	4.842	67	30707	19.98	ug/l	0.00
Spiked Amount 30.000			Recovery = 66.60%			
66) Toluene-d8	5.868	98	204491	33.74	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.47%			
76) Bromofluorobenzene	7.257	174	58582	32.38	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.93%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131274.D\data.ms
Quant QT Reviewed
SampleID : AD48435-015
Data File: 11M131274.D
Acq On : 12/ 3/24 23:53
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 28
Misc : S,5G13
Qt Meth : 11M_S1114.M
Qt On : 12/04/24 10:07
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-016
Client Id: SB-23-0-2.0'
Data File: 11M131275.D
Analysis Date: 12/04/24 00:15
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.72g
Final Vol: NA
Dilution: 0.874
Solids: 85

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0021	U	56-23-5	Carbon Tetrachloride	0.0021	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	108-90-7	Chlorobenzene	0.0021	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0021	U	75-00-3	Chloroethane	0.0021	U
79-00-5	1,1,2-Trichloroethane	0.0021	U	67-66-3	Chloroform	0.0021	U
75-34-3	1,1-Dichloroethane	0.0021	U	74-87-3	Chloromethane	0.0021	U
75-35-4	1,1-Dichloroethene	0.0021	U	156-59-2	cis-1,2-Dichloroethene	0.0021	U
87-61-6	1,2,3-Trichlorobenzene	0.0021	U	10061-01-5	cis-1,3-Dichloropropene	0.0021	U
120-82-1	1,2,4-Trichlorobenzene	0.0021	U	110-82-7	Cyclohexane	0.0021	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0021	U	124-48-1	Dibromochloromethane	0.0021	U
106-93-4	1,2-Dibromoethane	0.0010	U	75-71-8	Dichlorodifluoromethane	0.0021	U
95-50-1	1,2-Dichlorobenzene	0.0021	U	100-41-4	Ethylbenzene	0.0010	U
107-06-2	1,2-Dichloroethane	0.0021	U	98-82-8	Isopropylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0021	U	79601-23-1	m&p-Xylenes	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.0021	U	79-20-9	Methyl Acetate	0.0021	U
106-46-7	1,4-Dichlorobenzene	0.0021	U	108-87-2	Methylcyclohexane	0.0021	U
123-91-1	1,4-Dioxane	0.10	U	75-09-2	Methylene Chloride	0.0021	U
78-93-3	2-Butanone	0.0021	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
591-78-6	2-Hexanone	0.0021	U	95-47-6	o-Xylene	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.0021	U	100-42-5	Styrene	0.0021	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0021	U
71-43-2	Benzene	0.0010	U	108-88-3	Toluene	0.0010	U
74-97-5	Bromochloromethane	0.0021	U	156-60-5	trans-1,2-Dichloroethene	0.0021	U
75-27-4	Bromodichloromethane	0.0021	U	10061-02-6	trans-1,3-Dichloropropene	0.0021	U
75-25-2	Bromoform	0.0021	U	79-01-6	Trichloroethene	0.0021	U
74-83-9	Bromomethane	0.0021	U	75-69-4	Trichlorofluoromethane	0.0021	U
75-15-0	Carbon Disulfide	0.0051	U	75-01-4	Vinyl Chloride	0.0021	U
542-75-6	1,3-Dichloropropene (Total)	0.0021	U	1330-20-7	Xylenes (Total)	0.0010	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

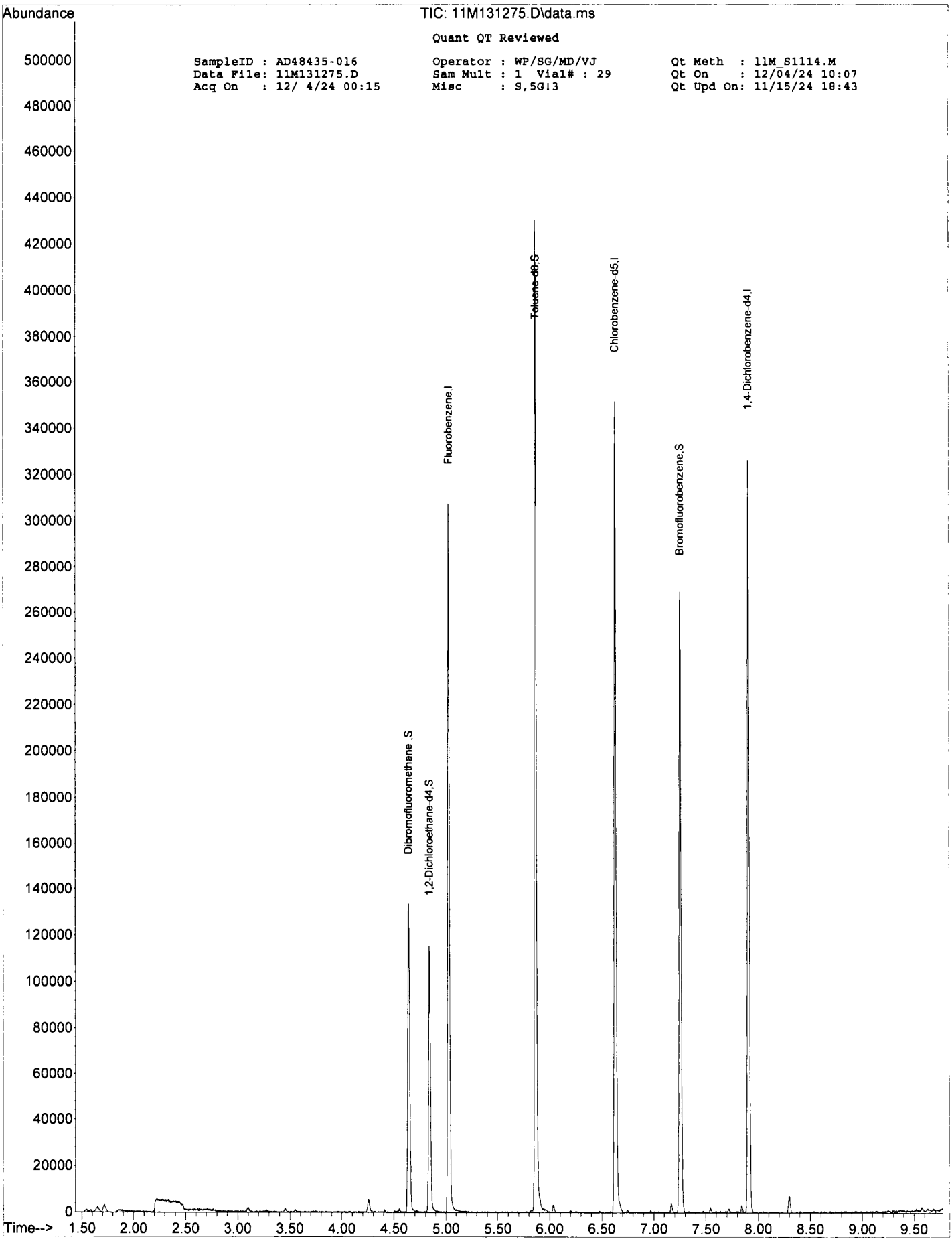
Quantitation Report (QT Reviewed)

SampleID : AD48435-016 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131275.D Sam Mult : 1 Vial# : 29 Qt On : 12/04/24 10:07
Acq On : 12/ 4/24 00:15 Misc : S,5G!3 Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.032	96	190430	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	154141	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.910	152	71358	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	54746	30.10	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.33%			
39) 1,2-Dichloroethane-d4	4.842	67	30114	20.05	ug/l	0.00
Spiked Amount 30.000			Recovery = 66.83%			
66) Toluene-d8	5.868	98	200279	31.85	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.17%			
76) Bromofluorobenzene	7.254	174	60403	31.39	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.63%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131275.D\data.ms
Quant QT Reviewed
SampleID : AD48435-016
Data File: 11M131275.D
Acq On : 12/ 4/24 00:15
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 29
Misc : S,5G13
Qt Meth : 11M_S1114.M
Qt On : 12/04/24 10:07
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-017
Client Id: SB-24-0-2.0'
Data File: 11M131276.D
Analysis Date: 12/04/24 00:36
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.49g
Final Vol: NA
Dilution: 0.911
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0021	U	56-23-5	Carbon Tetrachloride	0.0021	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	108-90-7	Chlorobenzene	0.0021	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0021	U	75-00-3	Chloroethane	0.0021	U
79-00-5	1,1,2-Trichloroethane	0.0021	U	67-66-3	Chloroform	0.0021	U
75-34-3	1,1-Dichloroethane	0.0021	U	74-87-3	Chloromethane	0.0021	U
75-35-4	1,1-Dichloroethene	0.0021	U	156-59-2	cis-1,2-Dichloroethene	0.0021	U
87-61-6	1,2,3-Trichlorobenzene	0.0021	U	10061-01-5	cis-1,3-Dichloropropene	0.0021	U
120-82-1	1,2,4-Trichlorobenzene	0.0021	U	110-82-7	Cyclohexane	0.0021	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0021	U	124-48-1	Dibromochloromethane	0.0021	U
106-93-4	1,2-Dibromoethane	0.0010	U	75-71-8	Dichlorodifluoromethane	0.0021	U
95-50-1	1,2-Dichlorobenzene	0.0021	U	100-41-4	Ethylbenzene	0.0010	U
107-06-2	1,2-Dichloroethane	0.0021	U	98-82-8	Isopropylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0021	U	79601-23-1	m&p-Xylenes	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.0021	U	79-20-9	Methyl Acetate	0.0021	U
106-46-7	1,4-Dichlorobenzene	0.0021	U	108-87-2	Methylcyclohexane	0.0021	U
123-91-1	1,4-Dioxane	0.10	U	75-09-2	Methylene Chloride	0.0021	U
78-93-3	2-Butanone	0.0021	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
591-78-6	2-Hexanone	0.0021	U	95-47-6	o-Xylene	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.0021	U	100-42-5	Styrene	0.0021	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0021	U
71-43-2	Benzene	0.0010	U	108-88-3	Toluene	0.0010	U
74-97-5	Bromochloromethane	0.0021	U	156-60-5	trans-1,2-Dichloroethene	0.0021	U
75-27-4	Bromodichloromethane	0.0021	U	10061-02-6	trans-1,3-Dichloropropene	0.0021	U
75-25-2	Bromoform	0.0021	U	79-01-6	Trichloroethene	0.0021	U
74-83-9	Bromomethane	0.0021	U	75-69-4	Trichlorofluoromethane	0.0021	U
75-15-0	Carbon Disulfide	0.0052	U	75-01-4	Vinyl Chloride	0.0021	U
542-75-6	1,3-Dichloropropene (Total)	0.0021	U	1330-20-7	Xylenes (Total)	0.0010	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

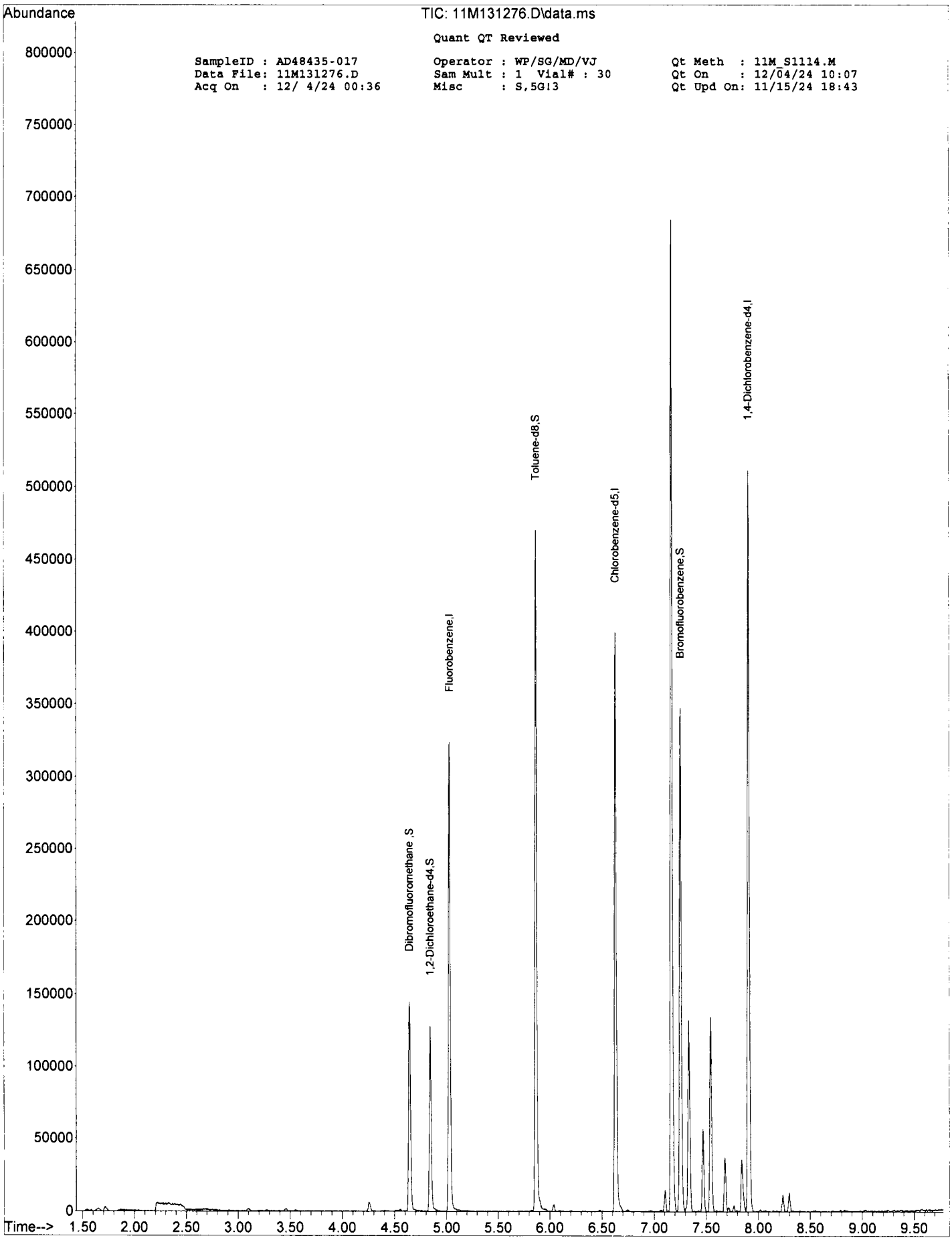
Quantitation Report (QT Reviewed)

SampleID : AD48435-017 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131276.D Sam Mult : 1 Vial# : 30 Qt On : 12/04/24 10:07
Acq On : 12/ 4/24 00:36 Misc : S,5G!3 Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.032	96	201729	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	170050	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.910	152	92278	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	57445	29.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.40%			
39) 1,2-Dichloroethane-d4	4.842	67	32886	20.67	ug/l	0.00
Spiked Amount 30.000			Recovery = 68.90%			
66) Toluene-d8	5.868	98	215332	31.04	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.47%			
76) Bromofluorobenzene	7.257	174	77094	30.98	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.27%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131276.D\data.ms
Quant QT Reviewed
SampleID : AD48435-017
Data File: 11M131276.D
Acq On : 12/ 4/24 00:36
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 30
Misc : S,5G!3
Qt Meth : 11M_S1114.M
Qt On : 12/04/24 10:07
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-018
Client Id: SB-25-0-2.0'
Data File: 11M131277.D
Analysis Date: 12/04/24 00:57
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.42g
Final Vol: NA
Dilution: 0.923
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0021	U	56-23-5	Carbon Tetrachloride	0.0021	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	108-90-7	Chlorobenzene	0.0021	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0021	U	75-00-3	Chloroethane	0.0021	U
79-00-5	1,1,2-Trichloroethane	0.0021	U	67-66-3	Chloroform	0.0021	U
75-34-3	1,1-Dichloroethane	0.0021	U	74-87-3	Chloromethane	0.0021	U
75-35-4	1,1-Dichloroethene	0.0021	U	156-59-2	cis-1,2-Dichloroethene	0.0021	U
87-61-6	1,2,3-Trichlorobenzene	0.0021	U	10061-01-5	cis-1,3-Dichloropropene	0.0021	U
120-82-1	1,2,4-Trichlorobenzene	0.0021	U	110-82-7	Cyclohexane	0.0021	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0021	U	124-48-1	Dibromochloromethane	0.0021	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0021	U
95-50-1	1,2-Dichlorobenzene	0.0021	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0021	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0021	U	79601-23-1	m&p-Xylenes	0.0015	U
541-73-1	1,3-Dichlorobenzene	0.0021	U	79-20-9	Methyl Acetate	0.0021	U
106-46-7	1,4-Dichlorobenzene	0.0021	U	108-87-2	Methylcyclohexane	0.0021	U
123-91-1	1,4-Dioxane	0.11	U	75-09-2	Methylene Chloride	0.0021	U
78-93-3	2-Butanone	0.0021	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0021	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0021	U	100-42-5	Styrene	0.0021	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0021	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0021	U	156-60-5	trans-1,2-Dichloroethene	0.0021	U
75-27-4	Bromodichloromethane	0.0021	U	10061-02-6	trans-1,3-Dichloropropene	0.0021	U
75-25-2	Bromoform	0.0021	U	79-01-6	Trichloroethene	0.0021	U
74-83-9	Bromomethane	0.0021	U	75-69-4	Trichlorofluoromethane	0.0021	U
75-15-0	Carbon Disulfide	0.0054	U	75-01-4	Vinyl Chloride	0.0021	U
542-75-6	1,3-Dichloropropene (Total)	0.0021	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

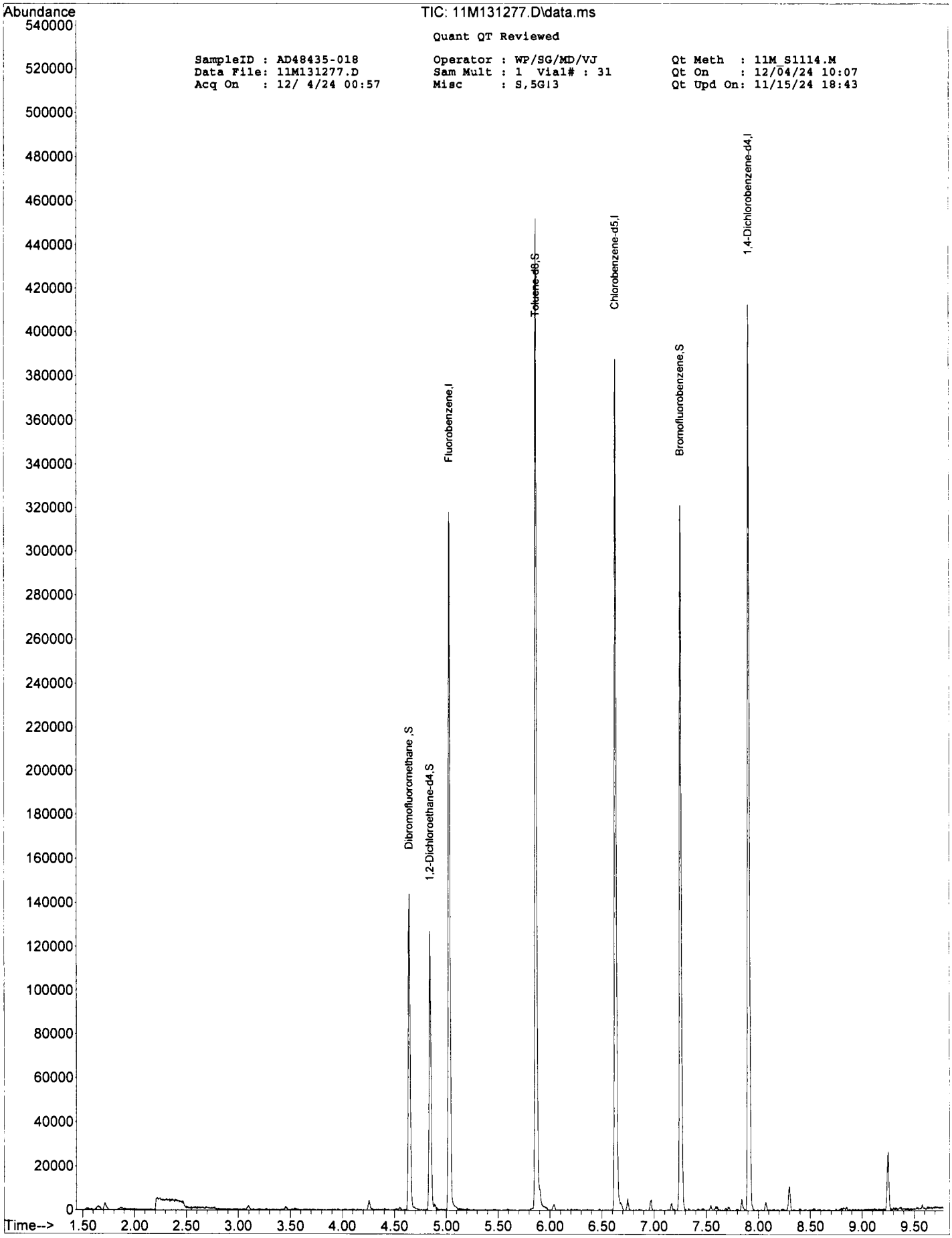
Quantitation Report (QT Reviewed)

SampleID : AD48435-018 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131277.D Sam Mult : 1 Vial# : 31 Qt On : 12/04/24 10:07
Acq On : 12/ 4/24 00:57 Misc : S,5G!3 Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.032	96	197731	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	165866	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.909	152	88283	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	56356	29.84	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.47%			
39) 1,2-Dichloroethane-d4	4.842	67	31569	20.24	ug/l	0.00
Spiked Amount 30.000			Recovery = 67.47%			
66) Toluene-d8	5.868	98	208940	30.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.93%			
76) Bromofluorobenzene	7.257	174	71361	29.97	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.90%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131277.D\data.ms
Quant QT Reviewed
SampleID : AD48435-018
Data File: 11M131277.D
Acq On : 12/ 4/24 00:57
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 31
Misc : S,5G13
Qt Meth : 11M_S1114.M
Qt On : 12/04/24 10:07
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-019
Client Id: SB-19-0-2.0'
Data File: 11M131278.D
Analysis Date: 12/04/24 01:18
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.39g
Final Vol: NA
Dilution: 0.928
Solids: 82

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0023	U	56-23-5	Carbon Tetrachloride	0.0023	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	108-90-7	Chlorobenzene	0.0023	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0023	U	75-00-3	Chloroethane	0.0023	U
79-00-5	1,1,2-Trichloroethane	0.0023	U	67-66-3	Chloroform	0.0023	U
75-34-3	1,1-Dichloroethane	0.0023	U	74-87-3	Chloromethane	0.0023	U
75-35-4	1,1-Dichloroethene	0.0023	U	156-59-2	cis-1,2-Dichloroethene	0.0023	U
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	10061-01-5	cis-1,3-Dichloropropene	0.0023	U
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	110-82-7	Cyclohexane	0.0023	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0023	U	124-48-1	Dibromochloromethane	0.0023	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0023	U
95-50-1	1,2-Dichlorobenzene	0.0023	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0023	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0023	U	79601-23-1	m&p-Xylenes	0.0016	U
541-73-1	1,3-Dichlorobenzene	0.0023	U	79-20-9	Methyl Acetate	0.0023	U
106-46-7	1,4-Dichlorobenzene	0.0023	U	108-87-2	Methylcyclohexane	0.0023	U
123-91-1	1,4-Dioxane	0.11	U	75-09-2	Methylene Chloride	0.0023	U
78-93-3	2-Butanone	0.0023	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0023	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0023	U	100-42-5	Styrene	0.0023	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0023	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0023	U	156-60-5	trans-1,2-Dichloroethene	0.0023	U
75-27-4	Bromodichloromethane	0.0023	U	10061-02-6	trans-1,3-Dichloropropene	0.0023	U
75-25-2	Bromoform	0.0023	U	79-01-6	Trichloroethene	0.0023	U
74-83-9	Bromomethane	0.0023	U	75-69-4	Trichlorofluoromethane	0.0023	U
75-15-0	Carbon Disulfide	0.0057	U	75-01-4	Vinyl Chloride	0.0023	U
542-75-6	1,3-Dichloropropene (Total)	0.0023	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

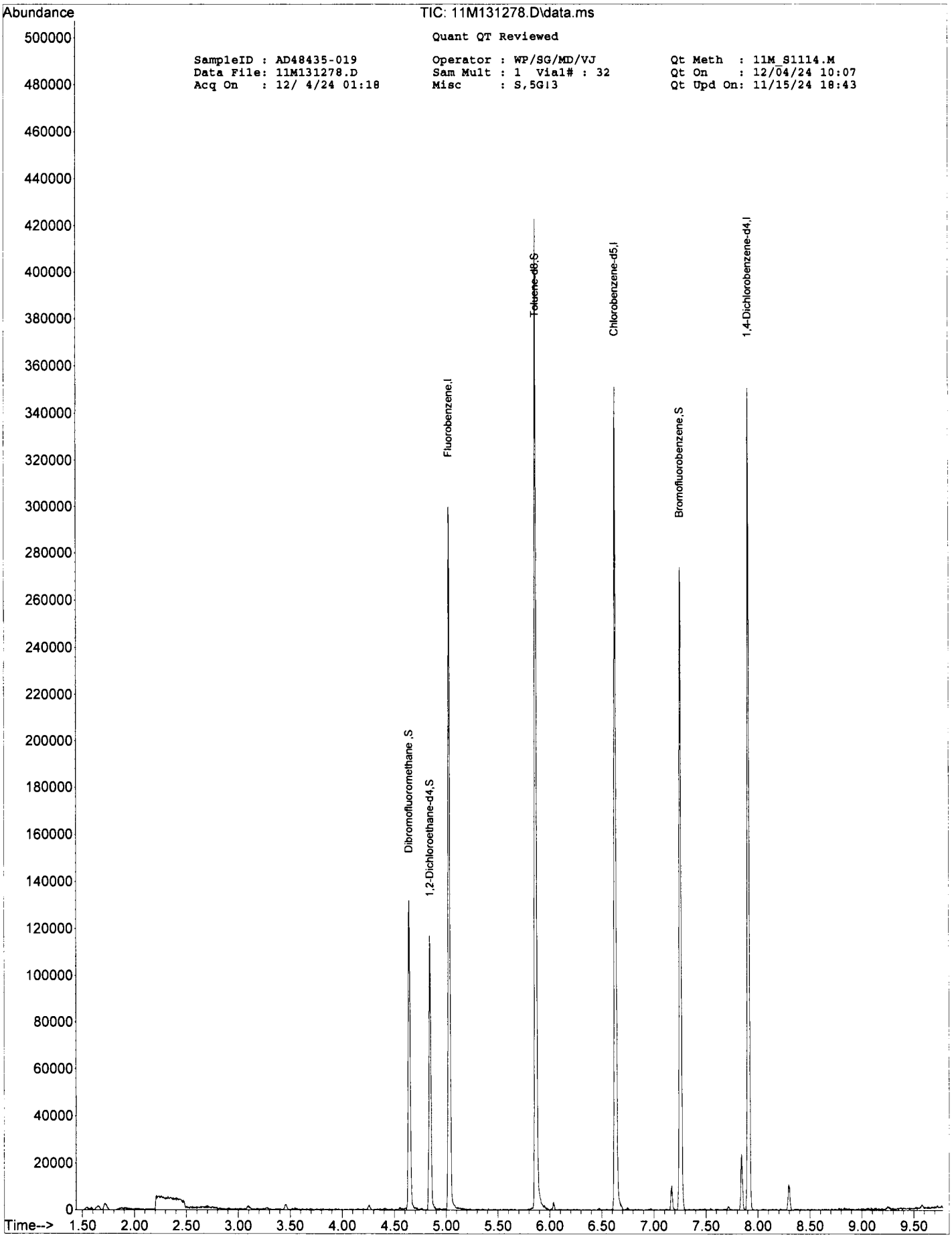
Quantitation Report (QT Reviewed)

SampleID : AD48435-019 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131278.D Sam Mult : 1 Vial# : 32 Qt On : 12/04/24 10:07
Acq On : 12/ 4/24 01:18 Misc : S,5G!3 Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.028	96	184355	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	149595	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.909	152	74333	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	53332	30.29	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.97%			
39) 1,2-Dichloroethane-d4	4.845	67	29792	20.49	ug/l	0.00
Spiked Amount 30.000			Recovery = 68.30%			
66) Toluene-d8	5.868	98	197056	32.29	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.63%			
76) Bromofluorobenzene	7.257	174	63353	31.60	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.33%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131278.D\data.ms
Quant QT Reviewed
SampleID : AD48435-019
Data File: 11M131278.D
Acq On : 12/ 4/24 01:18
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 32
Misc : S,5G13
Qt Meth : 11M_S1114.M
Qt On : 12/04/24 10:07
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-020
Client Id: SB-14-0-2.0'
Data File: 11M131279.D
Analysis Date: 12/04/24 01:39
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.34g
Final Vol: NA
Dilution: 0.936
Solids: 87

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0022	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
87-61-6	1,2,3-Trichlorobenzene	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
120-82-1	1,2,4-Trichlorobenzene	0.0022	U	110-82-7	Cyclohexane	0.0022	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0022	U	124-48-1	Dibromochloromethane	0.0022	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	79601-23-1	m&p-Xylenes	0.0015	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	79-20-9	Methyl Acetate	0.0022	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	108-87-2	Methylcyclohexane	0.0022	U
123-91-1	1,4-Dioxane	0.11	U	75-09-2	Methylene Chloride	0.0022	U
78-93-3	2-Butanone	0.0022	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0022	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0022	U	100-42-5	Styrene	0.0022	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0022	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-25-2	Bromoform	0.0022	U	79-01-6	Trichloroethene	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
75-15-0	Carbon Disulfide	0.0054	U	75-01-4	Vinyl Chloride	0.0022	U
542-75-6	1,3-Dichloropropene (Total)	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

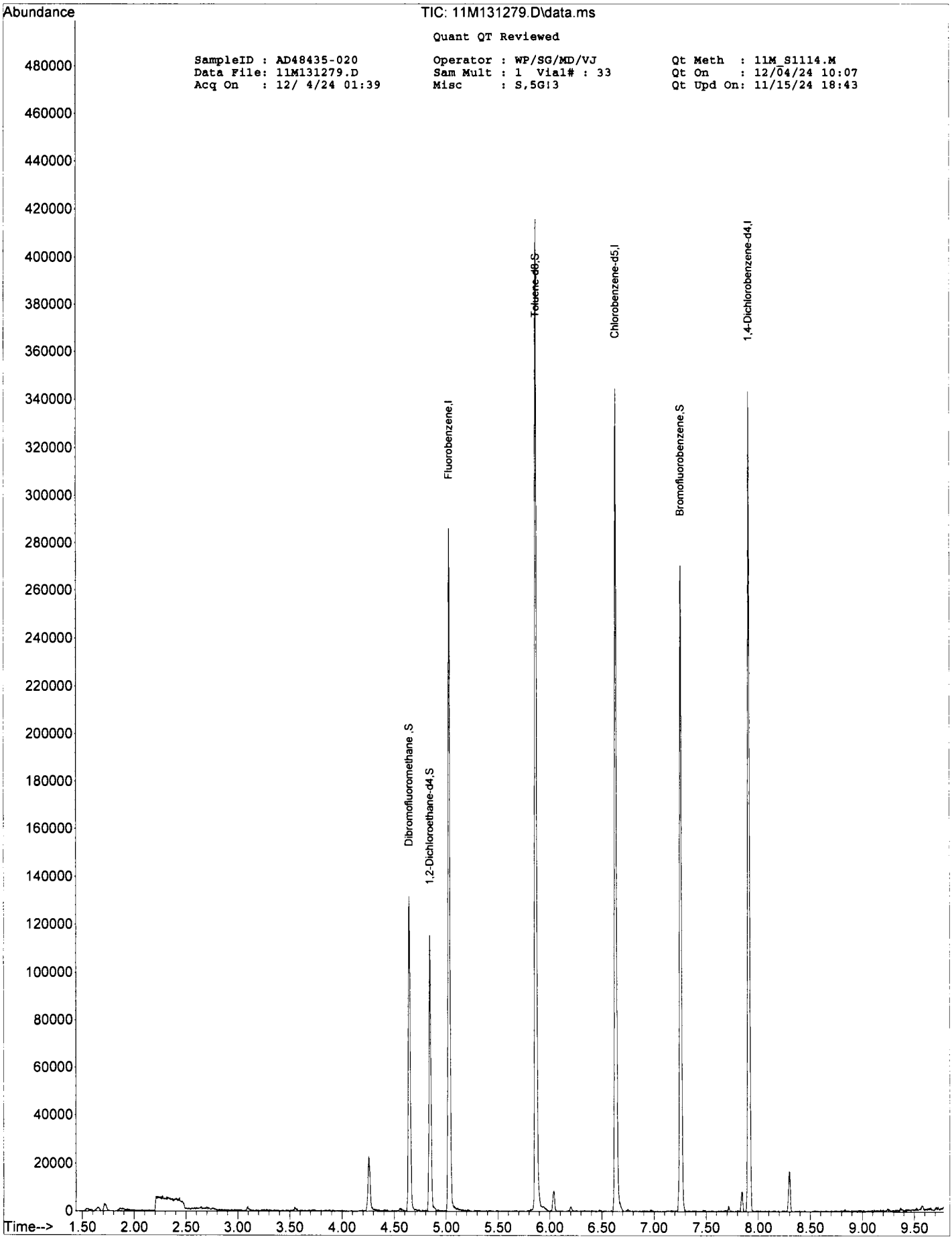
Quantitation Report (QT Reviewed)

SampleID : AD48435-020 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131279.D Sam Mult : 1 Vial# : 33 Qt On : 12/04/24 10:07
Acq On : 12/ 4/24 01:39 Misc : S,5G!3 Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.029	96	183053	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	146646	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.910	152	71128	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	52310	29.92	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.73%			
39) 1,2-Dichloroethane-d4	4.842	67	28405	19.67	ug/l	0.00
Spiked Amount 30.000			Recovery = 65.57%			
66) Toluene-d8	5.868	98	192643	32.21	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.37%			
76) Bromofluorobenzene	7.257	174	60670	31.63	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.43%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131279.D\data.ms
Quant QT Reviewed
SampleID : AD48435-020
Data File: 11M131279.D
Acq On : 12/ 4/24 01:39
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 33
Misc : S,5G!3
Qt Meth : 11M_S1114.M
Qt On : 12/04/24 10:07
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-021
Client Id: SB-13-0-2.0'
Data File: 6M189536.D
Analysis Date: 12/05/24 00:33
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.01g
Final Vol: NA
Dilution: 0.998
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0023	U	56-23-5	Carbon Tetrachloride	0.0023	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	108-90-7	Chlorobenzene	0.0023	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0023	U	75-00-3	Chloroethane	0.0023	U
79-00-5	1,1,2-Trichloroethane	0.0023	U	67-66-3	Chloroform	0.0023	U
75-34-3	1,1-Dichloroethane	0.0023	U	74-87-3	Chloromethane	0.0023	U
75-35-4	1,1-Dichloroethene	0.0023	U	156-59-2	cis-1,2-Dichloroethene	0.0023	U
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	10061-01-5	cis-1,3-Dichloropropene	0.0023	U
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	110-82-7	Cyclohexane	0.0023	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0023	U	124-48-1	Dibromochloromethane	0.0023	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0023	U
95-50-1	1,2-Dichlorobenzene	0.0023	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0023	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0023	U	79601-23-1	m&p-Xylenes	0.0016	U
541-73-1	1,3-Dichlorobenzene	0.0023	U	79-20-9	Methyl Acetate	0.0023	U
106-46-7	1,4-Dichlorobenzene	0.0023	U	108-87-2	Methylcyclohexane	0.0023	U
123-91-1	1,4-Dioxane	0.11	U	75-09-2	Methylene Chloride	0.0023	U
78-93-3	2-Butanone	0.0023	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0023	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0023	U	100-42-5	Styrene	0.0023	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0023	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0023	U	156-60-5	trans-1,2-Dichloroethene	0.0023	U
75-27-4	Bromodichloromethane	0.0023	U	10061-02-6	trans-1,3-Dichloropropene	0.0023	U
75-25-2	Bromoform	0.0023	U	79-01-6	Trichloroethene	0.0023	U
74-83-9	Bromomethane	0.0023	U	75-69-4	Trichlorofluoromethane	0.0023	U
75-15-0	Carbon Disulfide	0.0057	U	75-01-4	Vinyl Chloride	0.0023	U
542-75-6	1,3-Dichloropropene (Total)	0.0023	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

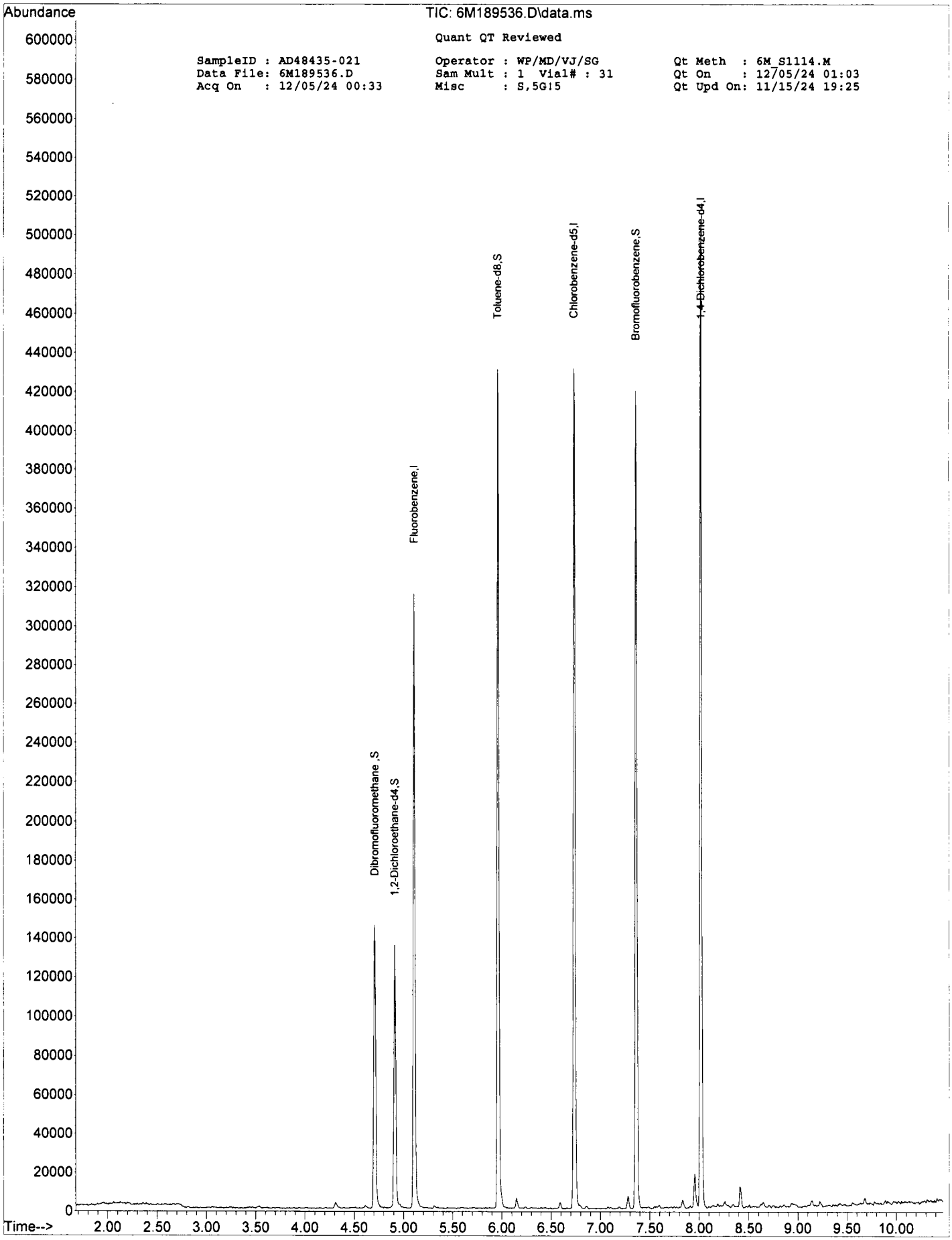
Quantitation Report (QT Reviewed)

SampleID : AD48435-021 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189536.D Sam Mult : 1 Vial# : 31 Qt On : 12/05/24 01:03
Acq On : 12/05/24 00:33 Misc : S,5G!5 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-04-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	169605	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.737	117	171581	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	98805	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	56697	32.59	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.63%			
39) 1,2-Dichloroethane-d4	4.914	67	31926	41.45	ug/l	0.00
Spiked Amount 30.000			Recovery = 138.17%			
66) Toluene-d8	5.962	98	204734	31.46	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.87%			
76) Bromofluorobenzene	7.364	174	77749	31.15	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.83%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189536.D\data.ms
Quant QT Reviewed
SampleID : AD48435-021
Data File: 6M189536.D
Acq On : 12/05/24 00:33
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 31
Misc : S,5G!5
Qt Meth : 6M_S1114.M
Qt On : 12/05/24 01:03
Qt Upd On: 11/15/24 19:25
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-022
Client Id: SB-18-0-2.0'
Data File: 11M131316.D
Analysis Date: 12/04/24 22:09
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 4.99g
Final Vol: NA
Dilution: 1.00
Solids: 82

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0024	U	56-23-5	Carbon Tetrachloride	0.0024	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	108-90-7	Chlorobenzene	0.0024	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0024	U	75-00-3	Chloroethane	0.0024	U
79-00-5	1,1,2-Trichloroethane	0.0024	U	67-66-3	Chloroform	0.0024	U
75-34-3	1,1-Dichloroethane	0.0024	U	74-87-3	Chloromethane	0.0024	U
75-35-4	1,1-Dichloroethene	0.0024	U	156-59-2	cis-1,2-Dichloroethene	0.0024	U
87-61-6	1,2,3-Trichlorobenzene	0.0024	U	10061-01-5	cis-1,3-Dichloropropene	0.0024	U
120-82-1	1,2,4-Trichlorobenzene	0.0024	U	110-82-7	Cyclohexane	0.0024	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0024	U	124-48-1	Dibromochloromethane	0.0024	U
106-93-4	1,2-Dibromoethane	0.0012	U	75-71-8	Dichlorodifluoromethane	0.0024	U
95-50-1	1,2-Dichlorobenzene	0.0024	U	100-41-4	Ethylbenzene	0.0012	U
107-06-2	1,2-Dichloroethane	0.0024	U	98-82-8	Isopropylbenzene	0.0012	U
78-87-5	1,2-Dichloropropane	0.0024	U	79601-23-1	m&p-Xylenes	0.0017	U
541-73-1	1,3-Dichlorobenzene	0.0024	U	79-20-9	Methyl Acetate	0.0024	U
106-46-7	1,4-Dichlorobenzene	0.0024	U	108-87-2	Methylcyclohexane	0.0024	U
123-91-1	1,4-Dioxane	0.12	U	75-09-2	Methylene Chloride	0.0024	U
78-93-3	2-Butanone	0.0024	U	1634-04-4	Methyl-t-butyl ether	0.0012	U
591-78-6	2-Hexanone	0.0024	U	95-47-6	o-Xylene	0.0012	U
108-10-1	4-Methyl-2-Pentanone	0.0024	U	100-42-5	Styrene	0.0024	U
67-64-1	Acetone	0.012	U	127-18-4	Tetrachloroethene	0.0024	U
71-43-2	Benzene	0.0012	U	108-88-3	Toluene	0.0012	U
74-97-5	Bromochloromethane	0.0024	U	156-60-5	trans-1,2-Dichloroethene	0.0024	U
75-27-4	Bromodichloromethane	0.0024	U	10061-02-6	trans-1,3-Dichloropropene	0.0024	U
75-25-2	Bromoform	0.0024	U	79-01-6	Trichloroethene	0.0024	U
74-83-9	Bromomethane	0.0024	U	75-69-4	Trichlorofluoromethane	0.0024	U
75-15-0	Carbon Disulfide	0.0061	U	75-01-4	Vinyl Chloride	0.0024	U
542-75-6	1,3-Dichloropropene (Total)	0.0024	U	1330-20-7	Xylenes (Total)	0.0012	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

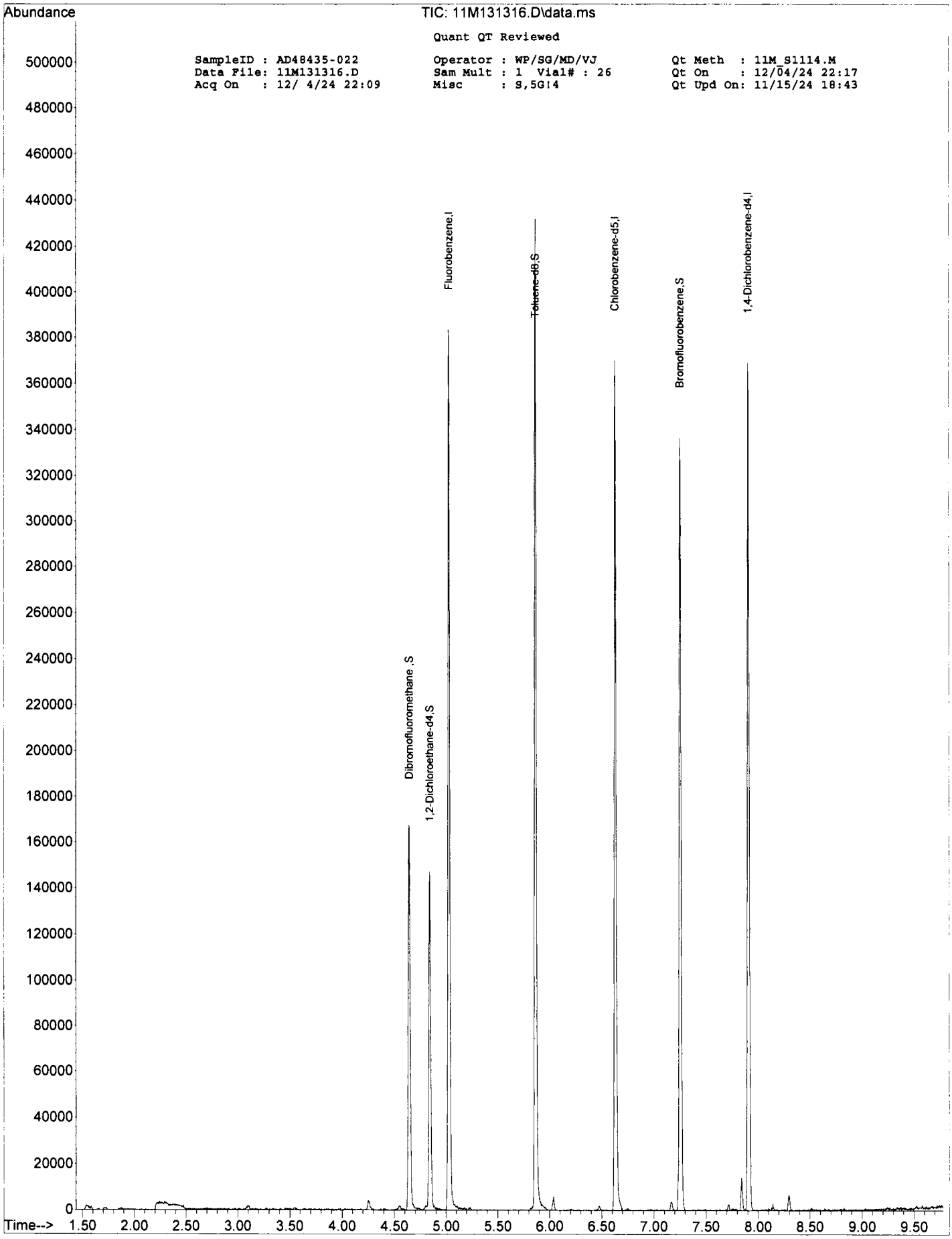
Quantitation Report (QT Reviewed)

SampleID : AD48435-022 Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131316.D Sam Mult : 1 Vial# : 26 Qt On : 12/04/24 22:17
Acq On : 12/ 4/24 22:09 Misc : S,5G!4 Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-04-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.032	96	235704	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	155044	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.910	152	78118	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.646	111	66437	29.51	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.37%			
39) 1,2-Dichloroethane-d4	4.842	67	37545	20.19	ug/l	0.00
Spiked Amount 30.000			Recovery = 67.30%			
66) Toluene-d8	5.868	98	191994	30.36	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.20%			
76) Bromofluorobenzene	7.257	174	73184	34.74	ug/l	0.00
Spiked Amount 30.000			Recovery = 115.80%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131316.D\data.ms
Quant QT Reviewed
SampleID : AD48435-022
Data File: 11M131316.D
Acq On : 12/ 4/24 22:09
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 26
Misc : S,5G!4
Qt Meth : 11M_S1114.M
Qt On : 12/04/24 22:17
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-023
Client Id: SB-08-0-2.0'
Data File: 6M189534.D
Analysis Date: 12/04/24 23:50
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.08g
Final Vol: NA
Dilution: 0.984
Solids: 83

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0024	U	56-23-5	Carbon Tetrachloride	0.0024	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	108-90-7	Chlorobenzene	0.0024	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0024	U	75-00-3	Chloroethane	0.0024	U
79-00-5	1,1,2-Trichloroethane	0.0024	U	67-66-3	Chloroform	0.0024	U
75-34-3	1,1-Dichloroethane	0.0024	U	74-87-3	Chloromethane	0.0024	U
75-35-4	1,1-Dichloroethene	0.0024	U	156-59-2	cis-1,2-Dichloroethene	0.0024	U
87-61-6	1,2,3-Trichlorobenzene	0.0024	U	10061-01-5	cis-1,3-Dichloropropene	0.0024	U
120-82-1	1,2,4-Trichlorobenzene	0.0024	U	110-82-7	Cyclohexane	0.0024	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0024	U	124-48-1	Dibromochloromethane	0.0024	U
106-93-4	1,2-Dibromoethane	0.0012	U	75-71-8	Dichlorodifluoromethane	0.0024	U
95-50-1	1,2-Dichlorobenzene	0.0024	U	100-41-4	Ethylbenzene	0.0012	U
107-06-2	1,2-Dichloroethane	0.0024	U	98-82-8	Isopropylbenzene	0.0012	U
78-87-5	1,2-Dichloropropane	0.0024	U	79601-23-1	m&p-Xylenes	0.0017	U
541-73-1	1,3-Dichlorobenzene	0.0024	U	79-20-9	Methyl Acetate	0.0024	U
106-46-7	1,4-Dichlorobenzene	0.0024	U	108-87-2	Methylcyclohexane	0.0024	U
123-91-1	1,4-Dioxane	0.12	U	75-09-2	Methylene Chloride	0.0024	U
78-93-3	2-Butanone	0.0024	U	1634-04-4	Methyl-t-butyl ether	0.0012	U
591-78-6	2-Hexanone	0.0024	U	95-47-6	o-Xylene	0.0012	U
108-10-1	4-Methyl-2-Pentanone	0.0024	U	100-42-5	Styrene	0.0024	U
67-64-1	Acetone	0.012	U	127-18-4	Tetrachloroethene	0.0024	U
71-43-2	Benzene	0.0012	U	108-88-3	Toluene	0.0012	U
74-97-5	Bromochloromethane	0.0024	U	156-60-5	trans-1,2-Dichloroethene	0.0024	U
75-27-4	Bromodichloromethane	0.0024	U	10061-02-6	trans-1,3-Dichloropropene	0.0024	U
75-25-2	Bromoform	0.0024	U	79-01-6	Trichloroethene	0.0024	U
74-83-9	Bromomethane	0.0024	U	75-69-4	Trichlorofluoromethane	0.0024	U
75-15-0	Carbon Disulfide	0.0059	U	75-01-4	Vinyl Chloride	0.0024	U
542-75-6	1,3-Dichloropropene (Total)	0.0024	U	1330-20-7	Xylenes (Total)	0.0012	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

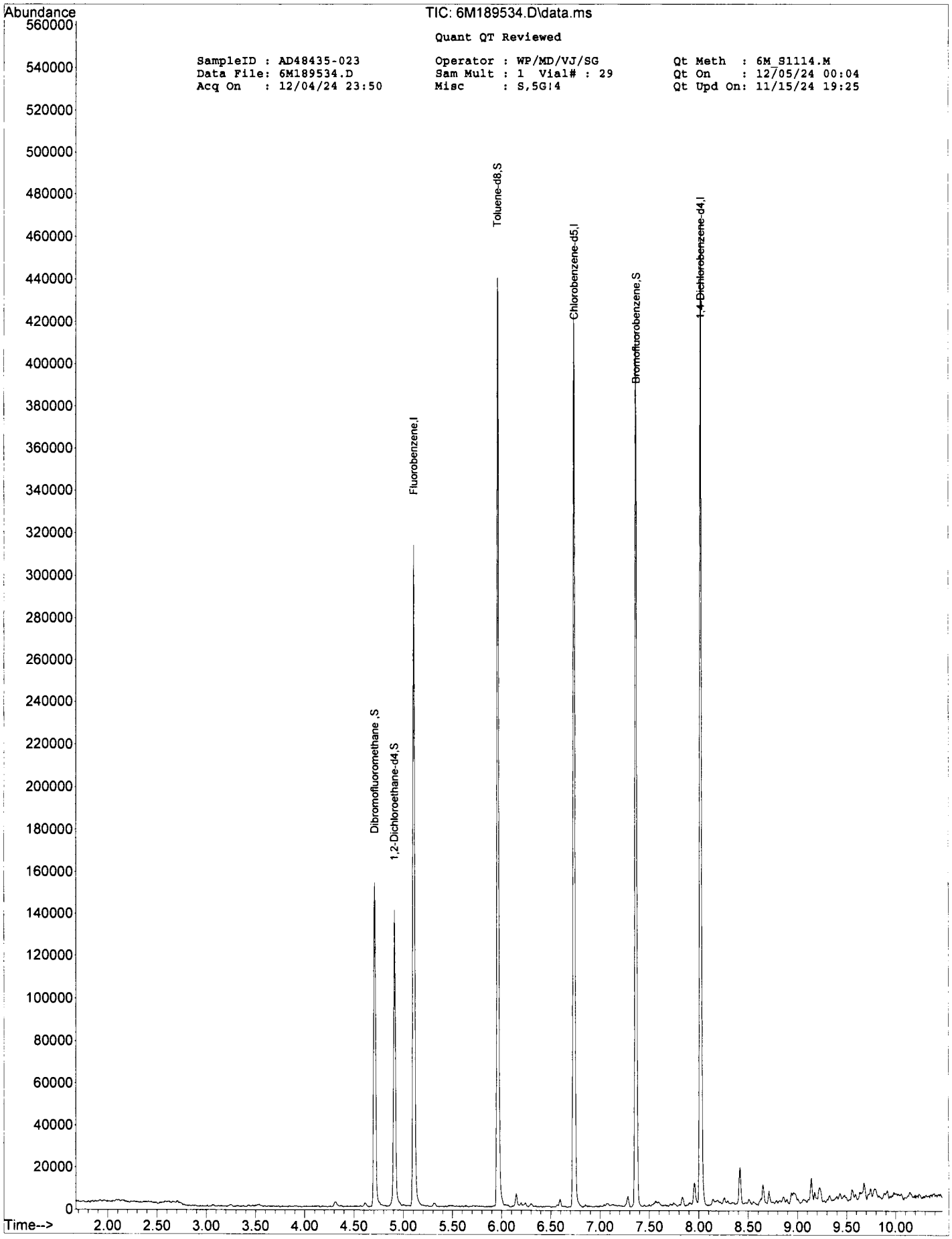
Quantitation Report (QT Reviewed)

SampleID : AD48435-023 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189534.D Sam Mult : 1 Vial# : 29 Qt On : 12/05/24 00:04
Acq On : 12/04/24 23:50 Misc : S,5G!4 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-04-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	181476	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	169607	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	91152	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	60304	32.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.00%			
39) 1,2-Dichloroethane-d4	4.914	67	32538	39.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 131.60%			
66) Toluene-d8	5.962	98	207557	32.27	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.57%			
76) Bromofluorobenzene	7.371	174	76418	33.18	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.60%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189534.D\data.ms
Quant QT Reviewed
SampleID : AD48435-023
Data File: 6M189534.D
Acq On : 12/04/24 23:50
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 29
Misc : S,5G;4
Qt Meth : 6M_S1114.M
Qt On : 12/05/24 00:04
Qt Upd On: 11/15/24 19:25
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-024
Client Id: SB-09-0-2.0'
Data File: 6M189535.D
Analysis Date: 12/05/24 00:12
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.13g
Final Vol: NA
Dilution: 0.975
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0021	U	56-23-5	Carbon Tetrachloride	0.0021	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	108-90-7	Chlorobenzene	0.0021	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0021	U	75-00-3	Chloroethane	0.0021	U
79-00-5	1,1,2-Trichloroethane	0.0021	U	67-66-3	Chloroform	0.0021	U
75-34-3	1,1-Dichloroethane	0.0021	U	74-87-3	Chloromethane	0.0021	U
75-35-4	1,1-Dichloroethene	0.0021	U	156-59-2	cis-1,2-Dichloroethene	0.0021	U
87-61-6	1,2,3-Trichlorobenzene	0.0021	U	10061-01-5	cis-1,3-Dichloropropene	0.0021	U
120-82-1	1,2,4-Trichlorobenzene	0.0021	U	110-82-7	Cyclohexane	0.0021	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0021	U	124-48-1	Dibromochloromethane	0.0021	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0021	U
95-50-1	1,2-Dichlorobenzene	0.0021	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0021	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0021	U	79601-23-1	m&p-Xylenes	0.0015	U
541-73-1	1,3-Dichlorobenzene	0.0021	U	79-20-9	Methyl Acetate	0.0021	U
106-46-7	1,4-Dichlorobenzene	0.0021	U	108-87-2	Methylcyclohexane	0.0021	U
123-91-1	1,4-Dioxane	0.11	U	75-09-2	Methylene Chloride	0.0021	U
78-93-3	2-Butanone	0.0021	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0021	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0021	U	100-42-5	Styrene	0.0021	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0021	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0021	U	156-60-5	trans-1,2-Dichloroethene	0.0021	U
75-27-4	Bromodichloromethane	0.0021	U	10061-02-6	trans-1,3-Dichloropropene	0.0021	U
75-25-2	Bromoform	0.0021	U	79-01-6	Trichloroethene	0.0021	U
74-83-9	Bromomethane	0.0021	U	75-69-4	Trichlorofluoromethane	0.0021	U
75-15-0	Carbon Disulfide	0.0054	U	75-01-4	Vinyl Chloride	0.0021	U
542-75-6	1,3-Dichloropropene (Total)	0.0021	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

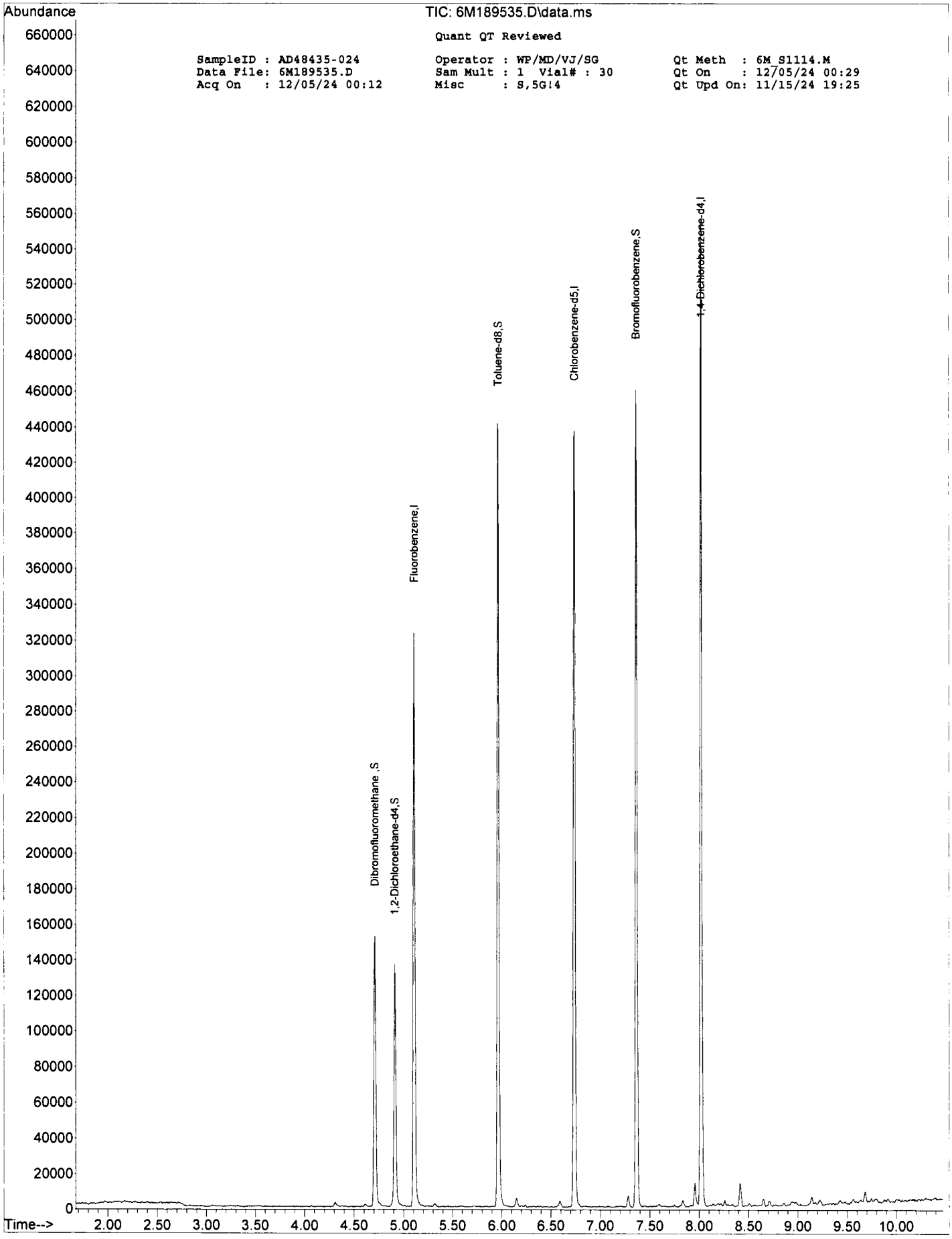
SampleID : AD48435-024 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189535.D Sam Mult : 1 Vial# : 30 Qt On : 12/05/24 00:29
Acq On : 12/05/24 00:12 Misc : S,5G!4 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-04-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	186686	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	178597	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	104633	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	60268	31.47	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.90%			
39) 1,2-Dichloroethane-d4	4.914	67	31484	37.13	ug/l	0.00
Spiked Amount 30.000			Recovery = 123.77%			
66) Toluene-d8	5.968	98	216573	31.97	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.57%			
76) Bromofluorobenzene	7.365	174	84703	32.04	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.80%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed Q


Abundance
TIC: 6M189535.D\data.ms
Quant QT Reviewed
SampleID : AD48435-024
Data File: 6M189535.D
Acq On : 12/05/24 00:12
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 30
Misc : S,5G!4
Qt Meth : 6M_S1114.M
Qt On : 12/05/24 00:29
Qt Upd On: 11/15/24 19:25
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48435-025
Client Id: Trip Blank
Data File: 1M195833.D
Analysis Date: 12/03/24 19:13
Date Rec/Extracted: 11/27/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	**Acetone**	**5.0**	**5.8**	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
542-75-6	1,3-Dichloropropene (Total)	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 764144

Total Target Concentration 5.8

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

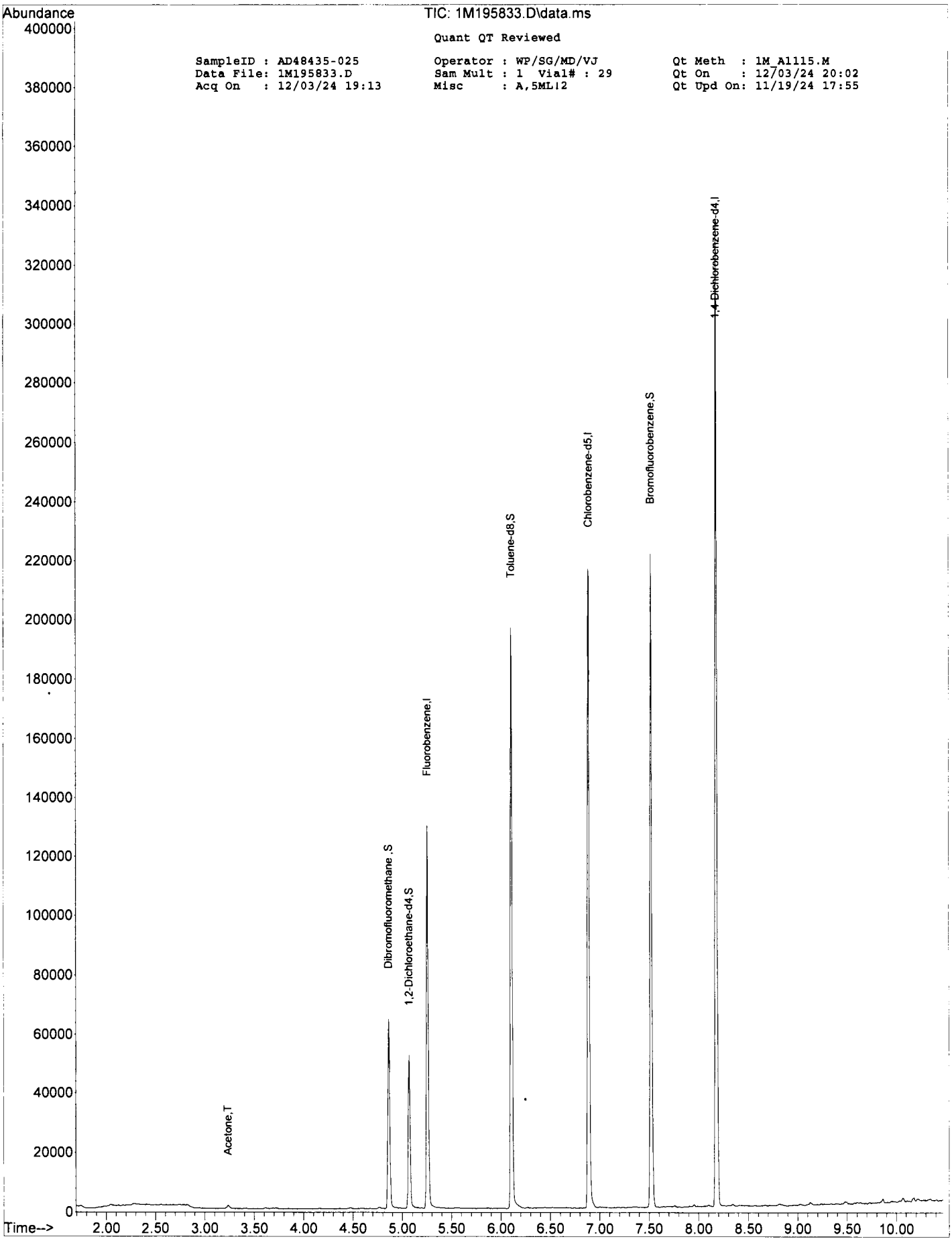
Quantitation Report (QT Reviewed)

SampleID : AD48435-025 Operator : WP/SG/MD/VJ Qt Meth : 1M_A1115.M
Data File: 1M195833.D Sam Mult : 1 Vial# : 29 Qt On : 12/03/24 20:02
Acq On : 12/03/24 19:13 Misc : A,5ML!2 Qt Upd On: 11/19/24 17:55

Data Path : G:\GcMsData\2024\GCMS_1\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.254	96	85829	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.894	117	103176	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.180	152	72508	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.863	111	27351	34.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 116.07%			
39) 1,2-Dichloroethane-d4	5.071	67	12956	30.10	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.33%			
66) Toluene-d8	6.107	98	98267	27.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.57%			
76) Bromofluorobenzene	7.521	174	47652	27.73	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.43%			
Target Compounds						Qvalue
19) Acetone	3.236	43	1339m	5.7869	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M195833.D\data.ms
Quant QT Reviewed
SampleID : AD48435-025
Data File: 1M195833.D
Acq On : 12/03/24 19:13
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 29
Misc : A,5ML;2
Qt Meth : 1M_A1115.M
Qt On : 12/03/24 20:02
Qt Upd On: 11/19/24 17:55
Acetone,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-001(3X)
Client Id: SB-01-0-2.0'
Data File: 9M130944.D
Analysis Date: 12/06/24 12:10
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.12	U	**50-32-8**	**Benzo[a]pyrene**	**0.12**	**0.30**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.12	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.12**	**0.42**
123-91-1	1,4-Dioxane	0.12	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.12**	**0.23**
58-90-2	2,3,4,6-Tetrachlorophenol	0.12	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.12**	**0.14**
95-95-4	2,4,5-Trichlorophenol	0.12	U	111-91-1	bis(2-Chloroethoxy)methan	0.12	U
88-06-2	2,4,6-Trichlorophenol	0.12	U	111-44-4	bis(2-Chloroethyl)ether	0.044	U
120-83-2	2,4-Dichlorophenol	0.12	U	108-60-1	bis(2-chloroisopropyl)ether	0.12	U
105-67-9	2,4-Dimethylphenol	0.12	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.12	U
51-28-5	2,4-Dinitrophenol	0.58	U	85-68-7	Butylbenzylphthalate	0.12	U
121-14-2	2,4-Dinitrotoluene	0.12	U	105-60-2	Caprolactam	0.12	U
606-20-2	2,6-Dinitrotoluene	0.12	U	86-74-8	Carbazole	0.12	U
91-58-7	2-Chloronaphthalene	0.12	U	**218-01-9**	**Chrysene**	**0.12**	**0.33**
95-57-8	2-Chlorophenol	0.12	U	53-70-3	Dibenzo[a,h]anthracene	0.12	U
91-57-6	2-Methylnaphthalene	0.12	U	132-64-9	Dibenzofuran	0.12	U
95-48-7	2-Methylphenol	0.12	U	84-66-2	Diethylphthalate	0.12	U
88-74-4	2-Nitroaniline	0.12	U	131-11-3	Dimethylphthalate	0.12	U
88-75-5	2-Nitrophenol	0.12	U	84-74-2	Di-n-butylphthalate	0.58	U
106-44-5	3&4-Methylphenol	0.12	U	117-84-0	Di-n-octylphthalate	0.12	U
91-94-1	3,3'-Dichlorobenzidine	0.12	U	**206-44-0**	**Fluoranthene**	**0.12**	**0.59**
99-09-2	3-Nitroaniline	0.12	U	86-73-7	Fluorene	0.12	U
534-52-1	4,6-Dinitro-2-methylphenol	0.58	U	118-74-1	Hexachlorobenzene	0.12	U
101-55-3	4-Bromophenyl-phenylether	0.12	U	87-68-3	Hexachlorobutadiene	0.12	U
59-50-7	4-Chloro-3-methylphenol	0.12	U	77-47-4	Hexachlorocyclopentadiene	0.58	U
106-47-8	4-Chloroaniline	0.12	U	67-72-1	Hexachloroethane	0.12	U
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.12**	**0.23**
100-01-6	4-Nitroaniline	0.12	U	78-59-1	Isophorone	0.12	U
100-02-7	4-Nitrophenol	0.12	U	91-20-3	Naphthalene	0.12	U
83-32-9	Acenaphthene	0.12	U	98-95-3	Nitrobenzene	0.12	U
208-96-8	Acenaphthylene	0.12	U	621-64-7	N-Nitroso-di-n-propylamine	0.12	U
98-86-2	Acetophenone	0.12	U	86-30-6	n-Nitrosodiphenylamine	0.12	U
120-12-7	Anthracene	0.12	U	87-86-5	Pentachlorophenol	0.58	U
1912-24-9	Atrazine	0.12	U	**85-01-8**	**Phenanthrene**	**0.12**	**0.32**
100-52-7	Benzaldehyde	0.12	U	108-95-2	Phenol	0.12	U
56-55-3	**Benzo[a]anthracene**	**0.12**	**0.34**	**129-00-0**	**Pyrene**	**0.12**	**0.52**

Worksheet #: 764414 *Total Target Concentration* 3.4 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

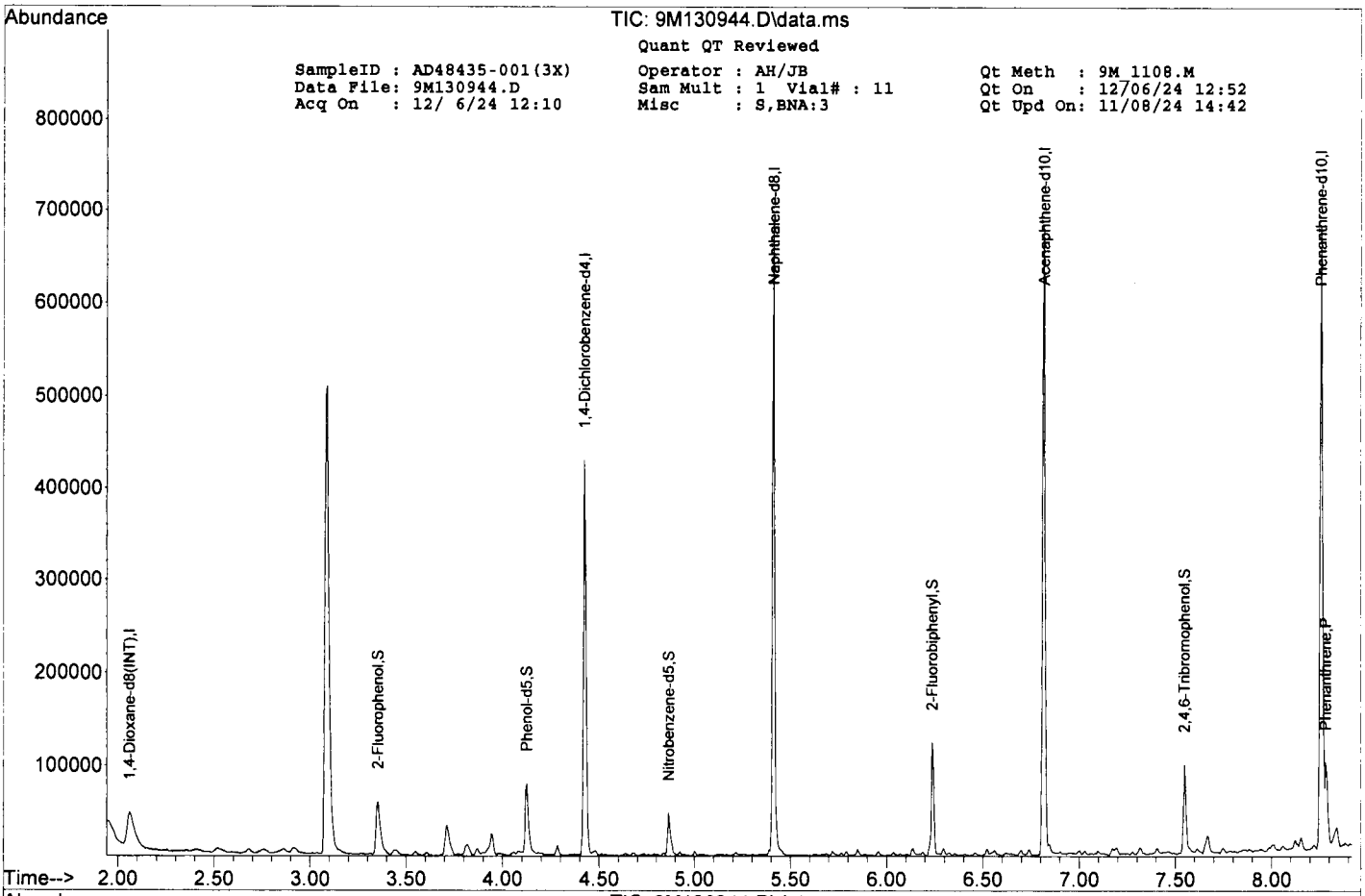
Quantitation Report (QT Reviewed)

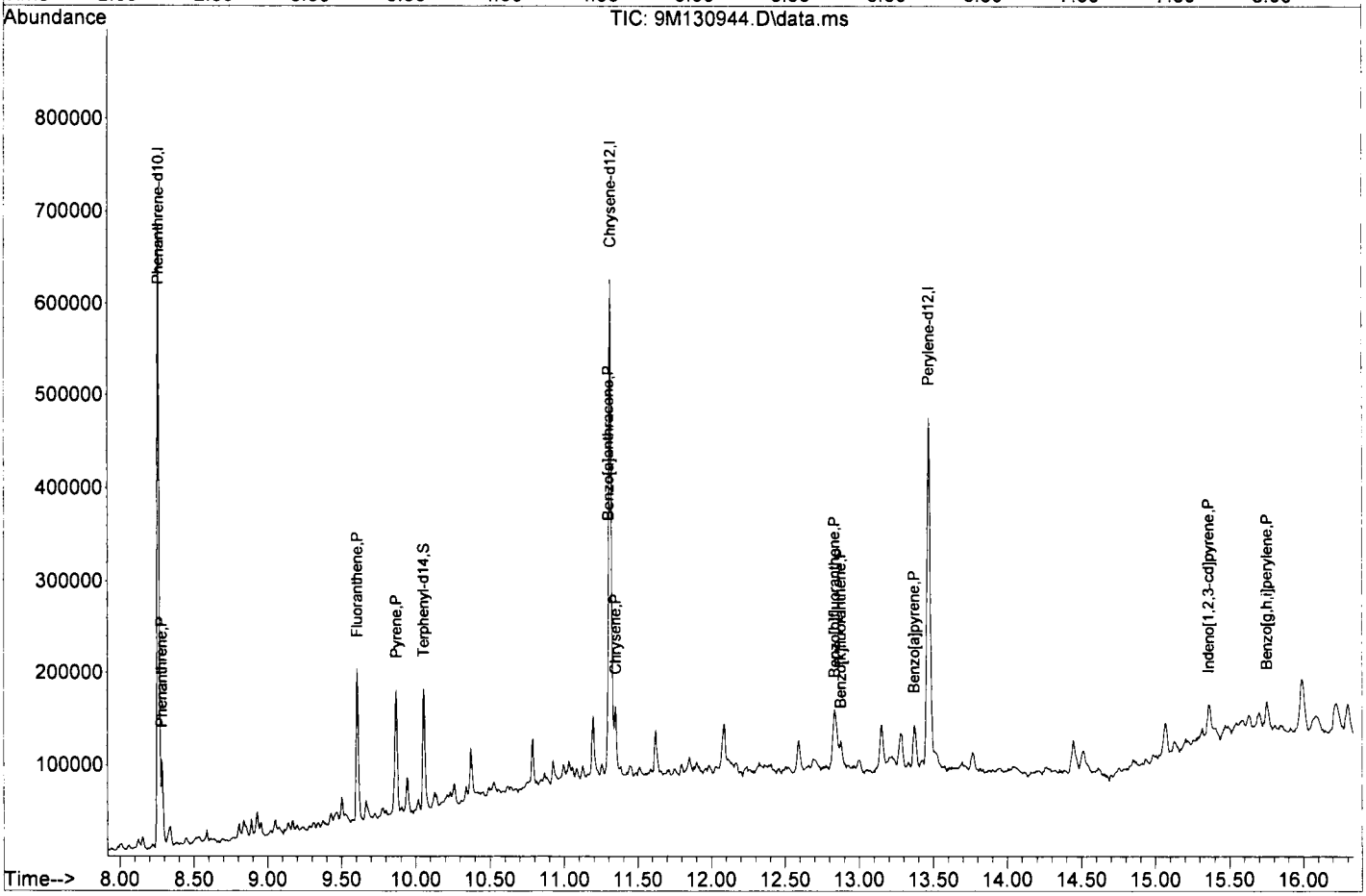
SampleID : AD48435-001(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130944.D Sam Mult : 1 Vial# : 11 Qt On : 12/06/24 12:52
Acq On : 12/ 6/24 12:10 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-06-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	39089	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.425	152	70888	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	260617	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	148750	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	260736	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	213924	40.00	ng	-0.05
102) Perylene-d12	13.471	264	217246	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	28296	13.51	ng	-0.04
Spiked Amount 100.000			Recovery = 13.51%			
16) Phenol-d5	4.125	99	35795	13.01	ng	-0.03
Spiked Amount 100.000			Recovery = 13.01%			
32) Nitrobenzene-d5	4.866	128	7397	7.06	ng	-0.04
Spiked Amount 50.000			Recovery = 14.12%			
55) 2-Fluorobiphenyl	6.237	172	36579	7.86	ng	-0.04
Spiked Amount 50.000			Recovery = 15.72%			
79) 2,4,6-Tribromophenol	7.548	330	12104	18.33	ng	-0.04
Spiked Amount 100.000			Recovery = 18.33%			
93) Terphenyl-d14	10.054	244	42983	9.50	ng	-0.05
Spiked Amount 50.000			Recovery = 19.00%			
Target Compounds						Qvalue
85) Phenanthrene	8.284	178	35488m	5.5170	ng	
89) Fluoranthene	9.607	202	70169	10.1647	ng	91
91) Pyrene	9.872	202	59623	8.8699	ng	86
99) Benzo[a]anthracene	11.301	228	36910m	5.8661	ng	
100) Chrysene	11.348	228	33575m	5.6523	ng	
104) Benzo[b]fluoranthene	12.836	252	45227m	7.2518	ng	
105) Benzo[k]fluoranthene	12.877	252	15763m	2.3844	ng	
106) Benzo[a]pyrene	13.371	252	29995m	5.1088	ng	
107) Indeno[1,2,3-cd]pyrene	15.360	276	21021m	3.9806	ng	
109) Benzo[g,h,i]perylene	15.754	276	21260m	3.9907	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130944.D\data.ms
Quant QT Reviewed
SampleID : AD48435-001(3X)
Data File: 9M130944.D
Acq On : 12/ 6/24 12:10
Operator : AH/JB
Sam Mult : 1 Vial# : 11
Misc : S,BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/06/24 12:52
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M130944.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[b]fluoranthene,P
Benzo[k]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-002(3X)
Client Id: SB-02-0-2.0'
Data File: 9M130945.D
Analysis Date: 12/06/24 12:31
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 87

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.11	U	**50-32-8**	**Benzo[a]pyrene**	**0.11**	**0.41**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.11	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.11**	**0.58**
123-91-1	1,4-Dioxane	0.11	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.11**	**0.33**
58-90-2	2,3,4,6-Tetrachlorophenol	0.11	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.11**	**0.18**
95-95-4	2,4,5-Trichlorophenol	0.11	U	111-91-1	bis(2-Chloroethoxy)methan	0.11	U
88-06-2	2,4,6-Trichlorophenol	0.11	U	111-44-4	bis(2-Chloroethyl)ether	0.044	U
120-83-2	2,4-Dichlorophenol	0.11	U	108-60-1	bis(2-chloroisopropyl)ether	0.11	U
105-67-9	2,4-Dimethylphenol	0.11	U	**117-81-7**	**bis(2-Ethylhexyl)phthalate**	**0.11**	**0.21**
51-28-5	2,4-Dinitrophenol	0.57	U	85-68-7	Butylbenzylphthalate	0.11	U
121-14-2	2,4-Dinitrotoluene	0.11	U	105-60-2	Caprolactam	0.11	U
606-20-2	2,6-Dinitrotoluene	0.11	U	86-74-8	Carbazole	0.11	U
91-58-7	2-Chloronaphthalene	0.11	U	**218-01-9**	**Chrysene**	**0.11**	**0.42**
95-57-8	2-Chlorophenol	0.11	U	53-70-3	Dibenzo[a,h]anthracene	0.11	U
91-57-6	2-Methylnaphthalene	0.11	U	132-64-9	Dibenzofuran	0.11	U
95-48-7	2-Methylphenol	0.11	U	84-66-2	Diethylphthalate	0.11	U
88-74-4	2-Nitroaniline	0.11	U	131-11-3	Dimethylphthalate	0.11	U
88-75-5	2-Nitrophenol	0.11	U	84-74-2	Di-n-butylphthalate	0.57	U
106-44-5	3&4-Methylphenol	0.11	U	117-84-0	Di-n-octylphthalate	0.11	U
91-94-1	3,3'-Dichlorobenzidine	0.11	U	**206-44-0**	**Fluoranthene**	**0.11**	**0.59**
99-09-2	3-Nitroaniline	0.11	U	86-73-7	Fluorene	0.11	U
534-52-1	4,6-Dinitro-2-methylphenol	0.57	U	118-74-1	Hexachlorobenzene	0.11	U
101-55-3	4-Bromophenyl-phenylether	0.11	U	87-68-3	Hexachlorobutadiene	0.11	U
59-50-7	4-Chloro-3-methylphenol	0.11	U	77-47-4	Hexachlorocyclopentadiene	0.57	U
106-47-8	4-Chloroaniline	0.11	U	67-72-1	Hexachloroethane	0.11	U
7005-72-3	4-Chlorophenyl-phenylether	0.11	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.11**	**0.34**
100-01-6	4-Nitroaniline	0.11	U	78-59-1	Isophorone	0.11	U
100-02-7	4-Nitrophenol	0.11	U	91-20-3	Naphthalene	0.11	U
83-32-9	Acenaphthene	0.11	U	98-95-3	Nitrobenzene	0.11	U
208-96-8	Acenaphthylene	0.11	U	621-64-7	N-Nitroso-di-n-propylamine	0.11	U
98-86-2	Acetophenone	0.11	U	86-30-6	n-Nitrosodiphenylamine	0.11	U
120-12-7	Anthracene	0.11	U	87-86-5	Pentachlorophenol	0.57	U
1912-24-9	Atrazine	0.11	U	**85-01-8**	**Phenanthrene**	**0.11**	**0.26**
100-52-7	Benzaldehyde	0.11	U	108-95-2	Phenol	0.11	U
56-55-3	**Benzo[a]anthracene**	**0.11**	**0.41**	**129-00-0**	**Pyrene**	**0.11**	**0.59**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

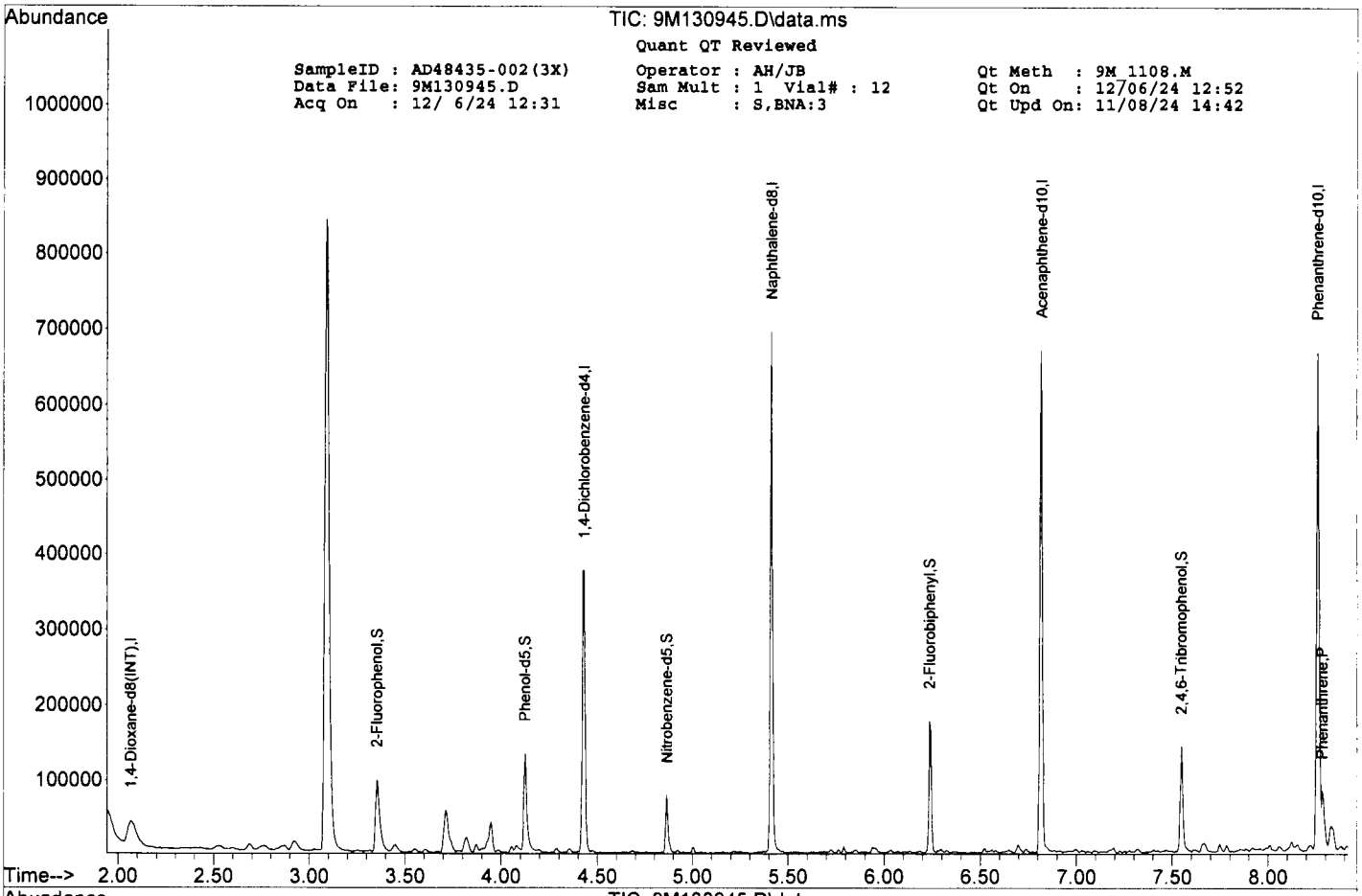
Quantitation Report (QT Reviewed)

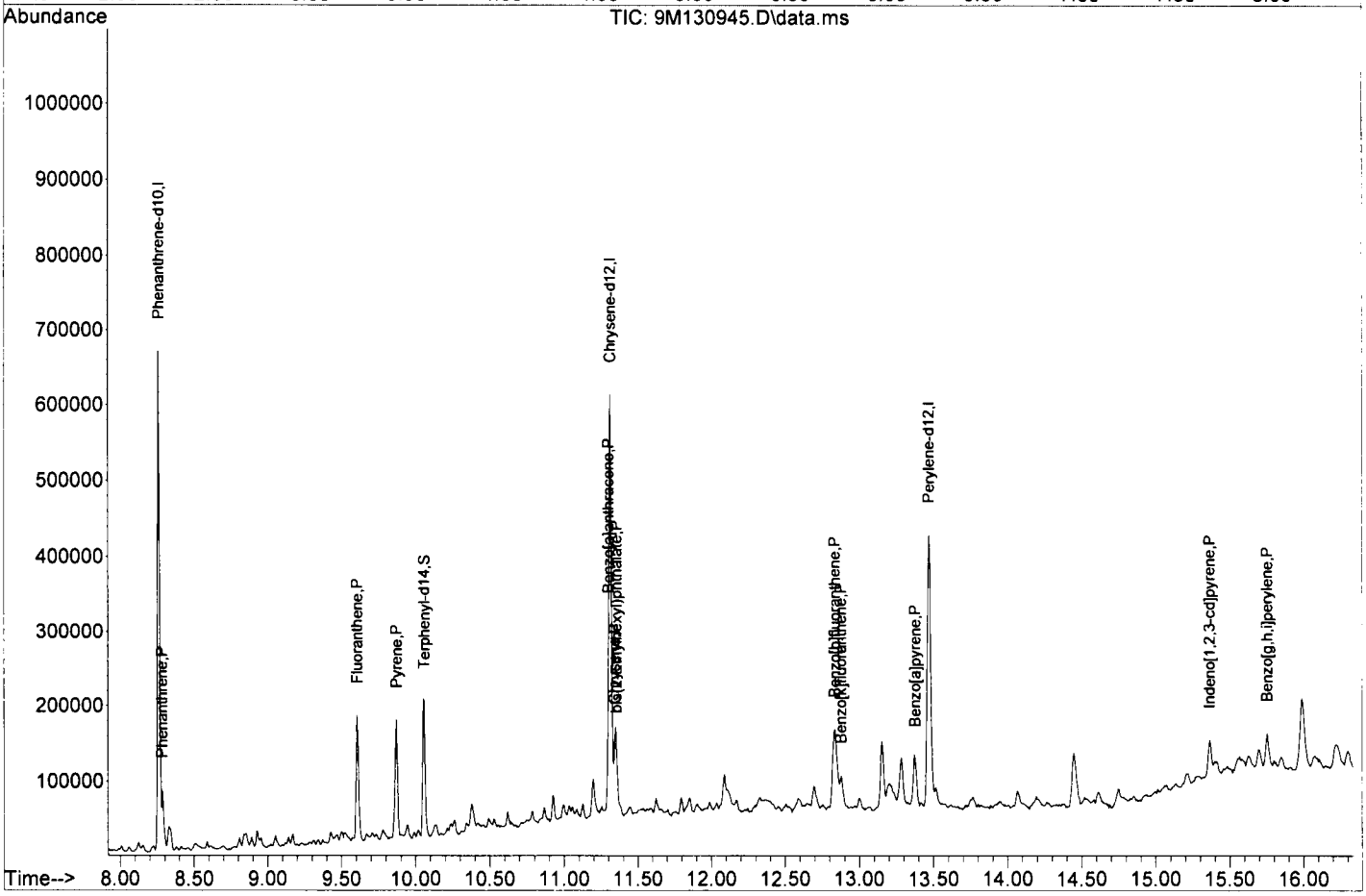
SampleID : AD48435-002(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130945.D Sam Mult : 1 Vial# : 12 Qt On : 12/06/24 12:52
Acq On : 12/ 6/24 12:31 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-06-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	38866	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	68922	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	257482	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	147234	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	259382	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	212591	40.00	ng	-0.05
102) Perylene-d12	13.471	264	213093	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	44622	21.42	ng	-0.04
Spiked Amount 100.000			Recovery = 21.42%			
16) Phenol-d5	4.125	99	56574	20.67	ng	-0.03
Spiked Amount 100.000			Recovery = 20.67%			
32) Nitrobenzene-d5	4.866	128	12104	11.69	ng	-0.04
Spiked Amount 50.000			Recovery = 23.38%			
55) 2-Fluorobiphenyl	6.237	172	54981	11.94	ng	-0.04
Spiked Amount 50.000			Recovery = 23.88%			
79) 2,4,6-Tribromophenol	7.548	330	18005	27.41	ng	-0.04
Spiked Amount 100.000			Recovery = 27.41%			
93) Terphenyl-d14	10.060	244	61921	13.77	ng	-0.04
Spiked Amount 50.000			Recovery = 27.54%			
Target Compounds						Qvalue
85) Phenanthrene	8.284	178	29075m	4.5436	ng	
89) Fluoranthene	9.607	202	70280	10.2339	ng	91
91) Pyrene	9.872	202	68336	10.2299	ng	86
99) Benzo[a]anthracene	11.301	228	44207m	7.0699	ng	
100) Chrysene	11.342	228	42978m	7.2807	ng	
101) bis(2-Ethylhexyl)phtha...	11.354	149	14946m	3.7275	ng	
104) Benzo[b]fluoranthene	12.836	252	61965m	10.1293	ng	
105) Benzo[k]fluoranthene	12.877	252	20391m	3.1446	ng	
106) Benzo[a]pyrene	13.377	252	41327m	7.1761	ng	
107) Indeno[1,2,3-cd]pyrene	15.365	276	30474m	5.8831	ng	
109) Benzo[g,h,i]perylene	15.754	276	30073m	5.7551	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130945.D\data.ms
Quant QT Reviewed
SampleID : AD48435-002(3X)
Data File: 9M130945.D
Acq On : 12/ 6/24 12:31
Operator : AH/JB
Sam Mult : 1 Vial# : 12
Misc : S,BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/06/24 12:52
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M130945.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-003
Client Id: SB-02-0-2.0' DUP
Data File: 9M130946.D
Analysis Date: 12/06/24 12:53
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.037	U	**50-32-8**	**Benzo[a]pyrene**	**0.037**	**0.16**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.037	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.037**	**0.22**
123-91-1	1,4-Dioxane	0.037	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.037**	**0.13**
58-90-2	2,3,4,6-Tetrachlorophenol	0.037	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.037**	**0.068**
95-95-4	2,4,5-Trichlorophenol	0.037	U	111-91-1	bis(2-Chloroethoxy)methan	0.037	U
88-06-2	2,4,6-Trichlorophenol	0.037	U	111-44-4	bis(2-Chloroethyl)ether	0.014	U
120-83-2	2,4-Dichlorophenol	0.037	U	108-60-1	bis(2-chloroisopropyl)ether	0.037	U
105-67-9	2,4-Dimethylphenol	0.037	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.037	U
51-28-5	2,4-Dinitrophenol	0.19	U	85-68-7	Butylbenzylphthalate	0.037	U
121-14-2	2,4-Dinitrotoluene	0.037	U	105-60-2	Caprolactam	0.037	U
606-20-2	2,6-Dinitrotoluene	0.037	U	86-74-8	Carbazole	0.037	U
91-58-7	2-Chloronaphthalene	0.037	U	**218-01-9**	**Chrysene**	**0.037**	**0.16**
95-57-8	2-Chlorophenol	0.037	U	53-70-3	Dibenzo[a,h]anthracene	0.037	U
91-57-6	2-Methylnaphthalene	0.037	U	132-64-9	Dibenzofuran	0.037	U
95-48-7	2-Methylphenol	0.037	U	84-66-2	Diethylphthalate	0.037	U
88-74-4	2-Nitroaniline	0.037	U	131-11-3	Dimethylphthalate	0.037	U
88-75-5	2-Nitrophenol	0.037	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	0.037	U	117-84-0	Di-n-octylphthalate	0.037	U
91-94-1	3,3'-Dichlorobenzidine	0.037	U	**206-44-0**	**Fluoranthene**	**0.037**	**0.23**
99-09-2	3-Nitroaniline	0.037	U	86-73-7	Fluorene	0.037	U
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.037	U
101-55-3	4-Bromophenyl-phenylether	0.037	U	87-68-3	Hexachlorobutadiene	0.037	U
59-50-7	4-Chloro-3-methylphenol	0.037	U	77-47-4	Hexachlorocyclopentadiene	0.19	U
106-47-8	4-Chloroaniline	0.037	U	67-72-1	Hexachloroethane	0.037	U
7005-72-3	4-Chlorophenyl-phenylether	0.037	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.037**	**0.14**
100-01-6	4-Nitroaniline	0.037	U	78-59-1	Isophorone	0.037	U
100-02-7	4-Nitrophenol	0.037	U	91-20-3	Naphthalene	0.037	U
83-32-9	Acenaphthene	0.037	U	98-95-3	Nitrobenzene	0.037	U
208-96-8	Acenaphthylene	0.037	U	621-64-7	N-Nitroso-di-n-propylamine	0.037	U
98-86-2	Acetophenone	0.037	U	86-30-6	n-Nitrosodiphenylamine	0.037	U
120-12-7	Anthracene	0.037	U	87-86-5	Pentachlorophenol	0.19	U
1912-24-9	Atrazine	0.037	U	**85-01-8**	**Phenanthrene**	**0.037**	**0.11**
100-52-7	Benzaldehyde	0.037	U	108-95-2	Phenol	0.037	U
56-55-3	**Benzo[a]anthracene**	**0.037**	**0.15**	**129-00-0**	**Pyrene**	**0.037**	**0.24**

Worksheet #: 764414

Total Target Concentration 1.6

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

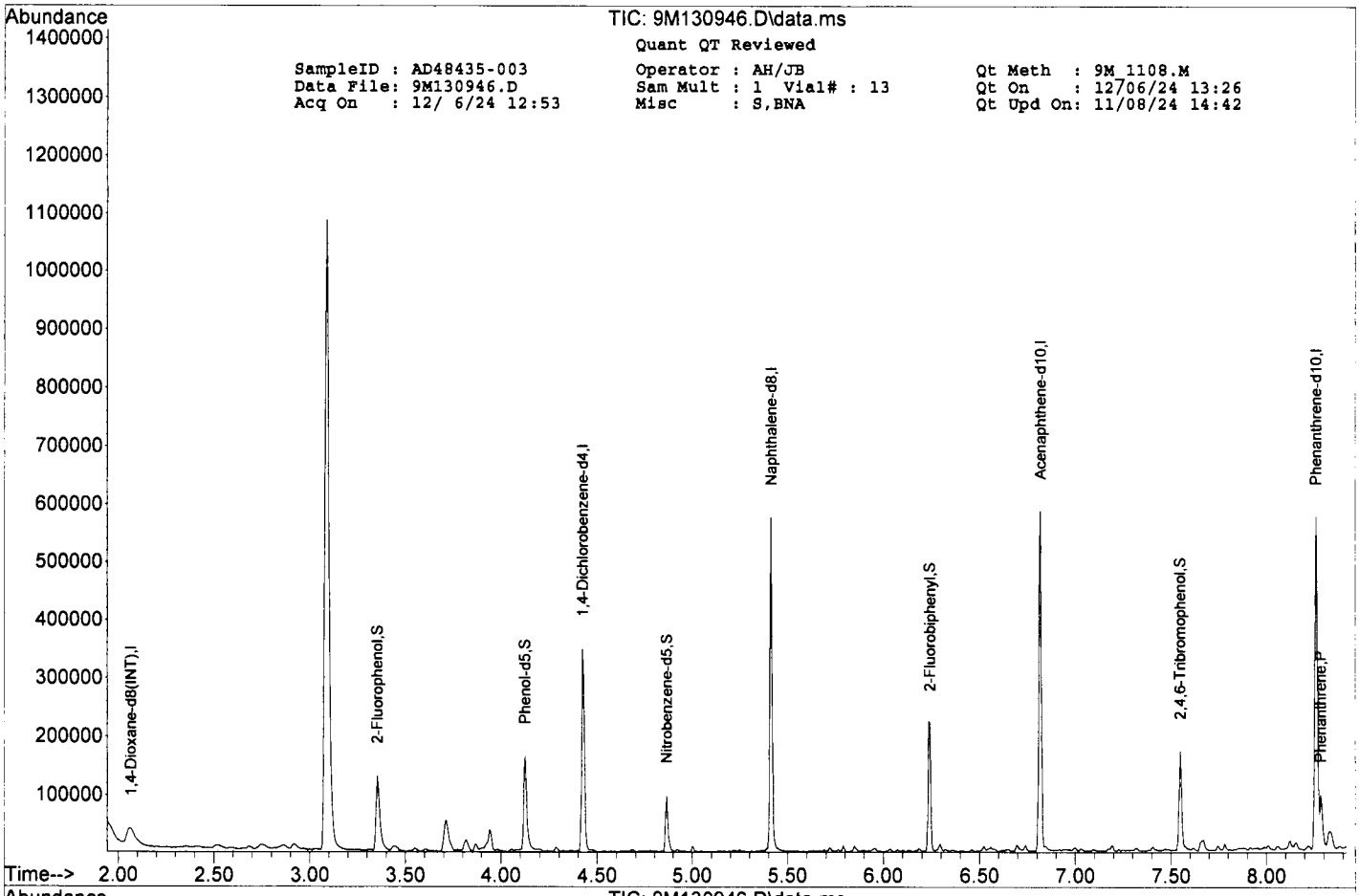
Quantitation Report (QT Reviewed)

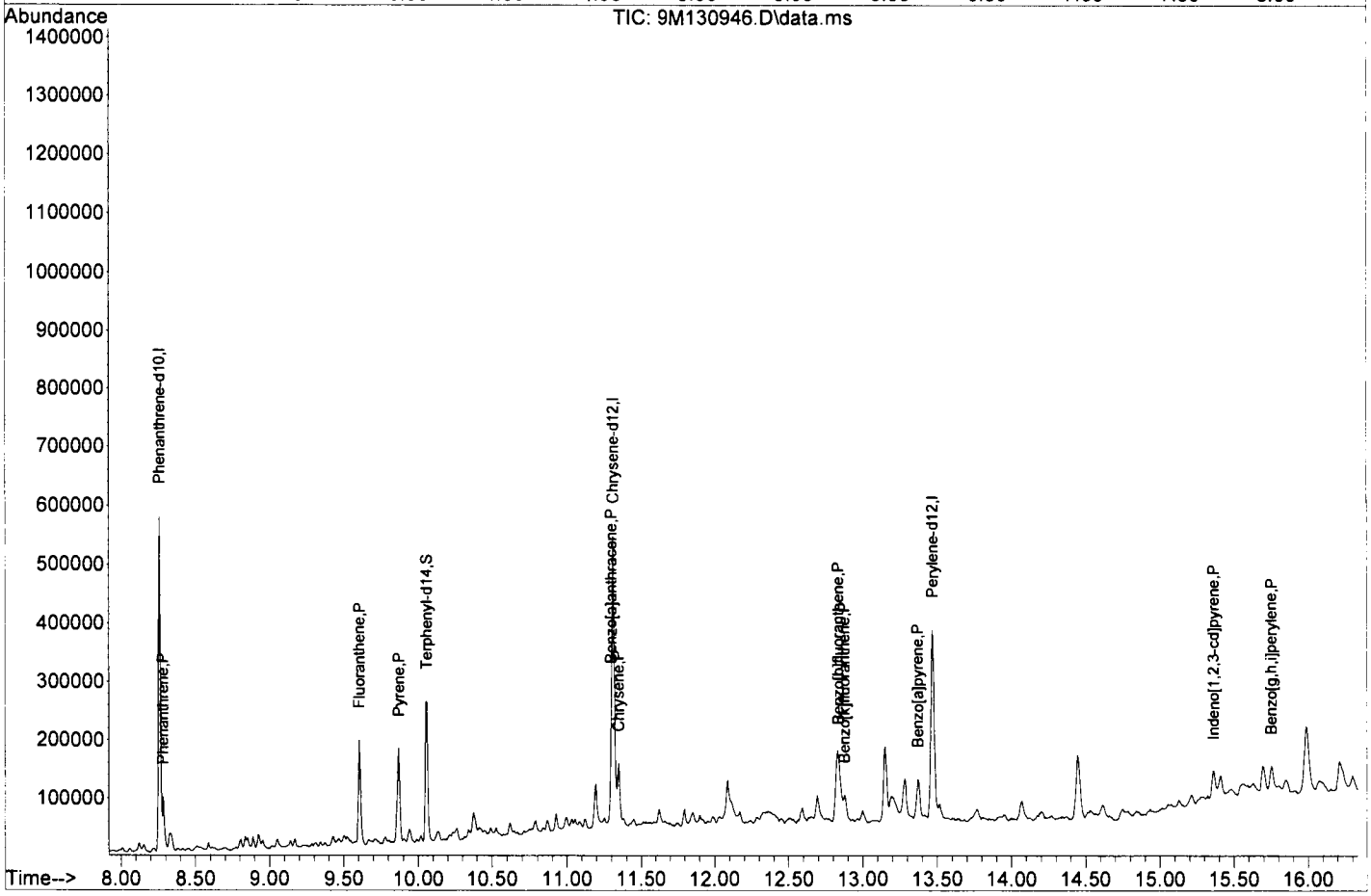
SampleID : AD48435-003 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130946.D Sam Mult : 1 Vial# : 13 Qt On : 12/06/24 13:26
Acq On : 12/ 6/24 12:53 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-06-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	33750	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.425	152	60422	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	224688	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	127365	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	222683	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	182428	40.00	ng	-0.05
102) Perylene-d12	13.471	264	183274	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	53187	29.40	ng	-0.04
Spiked Amount 100.000			Recovery = 29.40%			
16) Phenol-d5	4.125	99	70258	29.57	ng	-0.03
Spiked Amount 100.000			Recovery = 29.57%			
32) Nitrobenzene-d5	4.866	128	15382	17.03	ng	-0.04
Spiked Amount 50.000			Recovery = 34.06%			
55) 2-Fluorobiphenyl	6.242	172	71241	17.89	ng	-0.04
Spiked Amount 50.000			Recovery = 35.78%			
79) 2,4,6-Tribromophenol	7.548	330	21465	38.06	ng	-0.04
Spiked Amount 100.000			Recovery = 38.06%			
93) Terphenyl-d14	10.060	244	82089	21.27	ng	-0.04
Spiked Amount 50.000			Recovery = 42.54%			
Target Compounds						Qvalue
85) Phenanthrene	8.283	178	33174	6.0386	ng	99
89) Fluoranthene	9.607	202	73529m	12.4716	ng	
91) Pyrene	9.872	202	73185	12.7672	ng	85
99) Benzo[a]anthracene	11.301	228	44872m	8.3628	ng	
100) Chrysene	11.348	228	45071m	8.8977	ng	
104) Benzo[b]fluoranthene	12.836	252	63752m	12.1170	ng	
105) Benzo[k]fluoranthene	12.877	252	20590m	3.6919	ng	
106) Benzo[a]pyrene	13.371	252	42350m	8.5502	ng	
107) Indeno[1,2,3-cd]pyrene	15.365	276	32602m	7.3180	ng	
109) Benzo[g,h,i]perylene	15.753	276	31768m	7.0686	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130946.D\data.ms
Quant QT Reviewed
SampleID : AD48435-003
Data File: 9M130946.D
Acq On : 12/ 6/24 12:53
Operator : AH/JB
Sam Mult : 1 Vial# : 13
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/06/24 13:26
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M130946.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-004
Client Id: SB-03-0-2.0'
Data File: 9M130947.D
Analysis Date: 12/06/24 13:15
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.037	U	**50-32-8**	**Benzo[a]pyrene**	**0.037**	**0.28**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.037	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.037**	**0.40**
123-91-1	1,4-Dioxane	0.037	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.037**	**0.23**
58-90-2	2,3,4,6-Tetrachlorophenol	0.037	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.037**	**0.12**
95-95-4	2,4,5-Trichlorophenol	0.037	U	111-91-1	bis(2-Chloroethoxy)methan	0.037	U
88-06-2	2,4,6-Trichlorophenol	0.037	U	111-44-4	bis(2-Chloroethyl)ether	0.014	U
120-83-2	2,4-Dichlorophenol	0.037	U	108-60-1	bis(2-chloroisopropyl)ether	0.037	U
105-67-9	2,4-Dimethylphenol	0.037	U	**117-81-7**	**bis(2-Ethylhexyl)phthalate**	**0.037**	**0.048**
51-28-5	2,4-Dinitrophenol	0.19	U	85-68-7	Butylbenzylphthalate	0.037	U
121-14-2	2,4-Dinitrotoluene	0.037	U	105-60-2	Caprolactam	0.037	U
606-20-2	2,6-Dinitrotoluene	0.037	U	86-74-8	Carbazole	0.037	U
91-58-7	2-Chloronaphthalene	0.037	U	**218-01-9**	**Chrysene**	**0.037**	**0.29**
95-57-8	2-Chlorophenol	0.037	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.037**	**0.057**
91-57-6	2-Methylnaphthalene	0.037	U	132-64-9	Dibenzofuran	0.037	U
95-48-7	2-Methylphenol	0.037	U	84-66-2	Diethylphthalate	0.037	U
88-74-4	2-Nitroaniline	0.037	U	131-11-3	Dimethylphthalate	0.037	U
88-75-5	2-Nitrophenol	0.037	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	0.037	U	117-84-0	Di-n-octylphthalate	0.037	U
91-94-1	3,3'-Dichlorobenzidine	0.037	U	**206-44-0**	**Fluoranthene**	**0.037**	**0.38**
99-09-2	3-Nitroaniline	0.037	U	86-73-7	Fluorene	0.037	U
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.037	U
101-55-3	4-Bromophenyl-phenylether	0.037	U	87-68-3	Hexachlorobutadiene	0.037	U
59-50-7	4-Chloro-3-methylphenol	0.037	U	77-47-4	Hexachlorocyclopentadiene	0.19	U
106-47-8	4-Chloroaniline	0.037	U	67-72-1	Hexachloroethane	0.037	U
7005-72-3	4-Chlorophenyl-phenylether	0.037	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.037**	**0.24**
100-01-6	4-Nitroaniline	0.037	U	78-59-1	Isophorone	0.037	U
100-02-7	4-Nitrophenol	0.037	U	91-20-3	Naphthalene	0.037	U
83-32-9	Acenaphthene	0.037	U	98-95-3	Nitrobenzene	0.037	U
208-96-8	Acenaphthylene	0.037	U	621-64-7	N-Nitroso-di-n-propylamine	0.037	U
98-86-2	Acetophenone	0.037	U	86-30-6	n-Nitrosodiphenylamine	0.037	U
120-12-7	**Anthracene**	**0.037**	**0.050**	87-86-5	Pentachlorophenol	0.19	U
1912-24-9	Atrazine	0.037	U	**85-01-8**	**Phenanthrene**	**0.037**	**0.17**
100-52-7	Benzaldehyde	0.037	U	108-95-2	Phenol	0.037	U
56-55-3	**Benzo[a]anthracene**	**0.037**	**0.26**	**129-00-0**	**Pyrene**	**0.037**	**0.37**

Worksheet #: 764414

Total Target Concentration 2.9

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

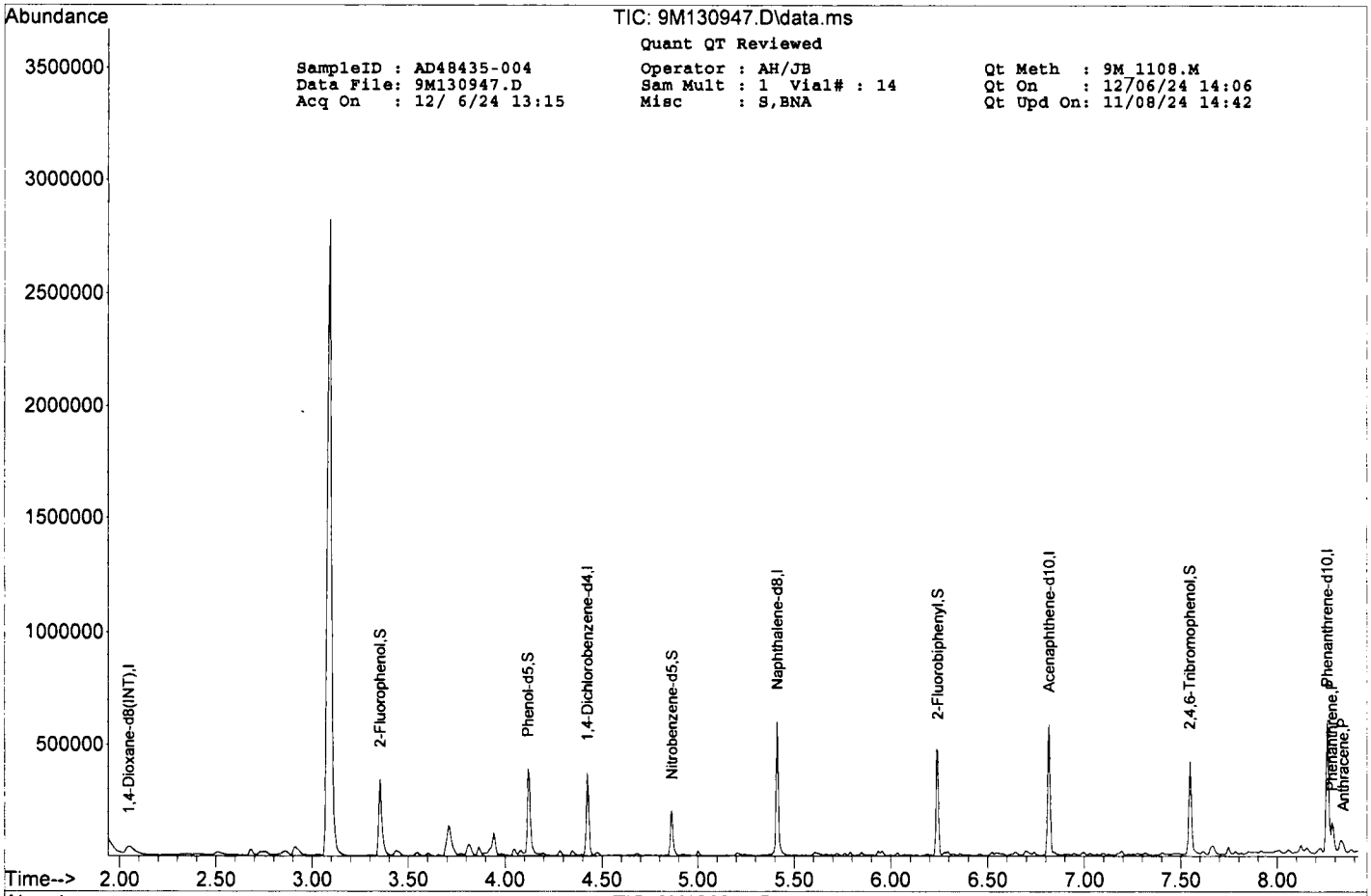
Quantitation Report (QT Reviewed)

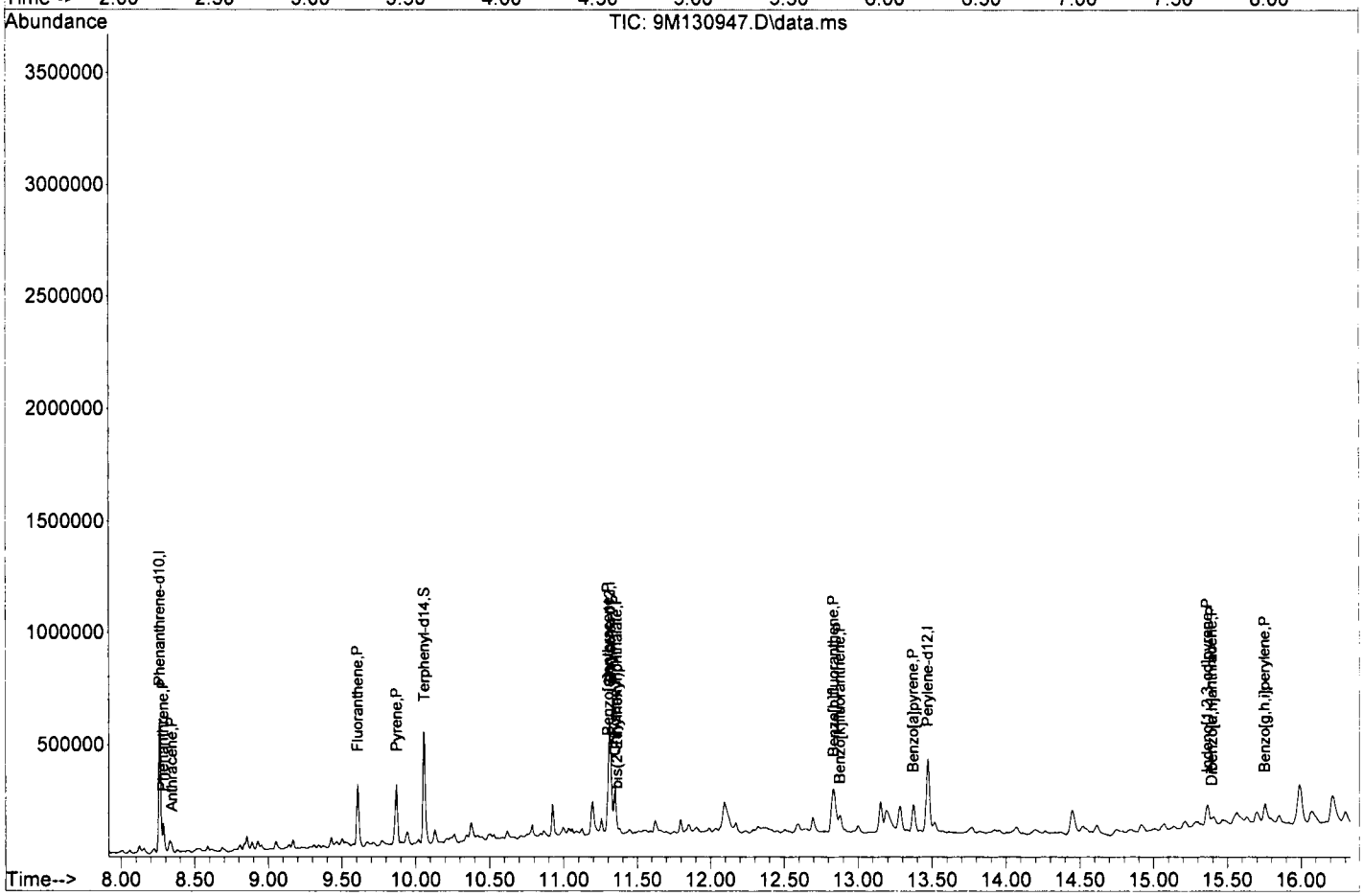
SampleID : AD48435-004 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130947.D Sam Mult : 1 Vial# : 14 Qt On : 12/06/24 14:06
Acq On : 12/ 6/24 13:15 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-06-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.049	96	34900	40.00	ng	-0.06
21) 1,4-Dichlorobenzene-d4	4.425	152	59215	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	222893	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	128212	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	224282	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	186579	40.00	ng	-0.05
102) Perylene-d12	13.471	264	189900	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	119139	63.69	ng	-0.04
Spiked Amount 100.000			Recovery = 63.69%			
16) Phenol-d5	4.119	99	155165	63.15	ng	-0.04
Spiked Amount 100.000			Recovery = 63.15%			
32) Nitrobenzene-d5	4.866	128	31905	35.61	ng	-0.04
Spiked Amount 50.000			Recovery = 71.22%			
55) 2-Fluorobiphenyl	6.242	172	149653	37.32	ng	-0.04
Spiked Amount 50.000			Recovery = 74.64%			
79) 2,4,6-Tribromophenol	7.548	330	52973	93.27	ng	-0.04
Spiked Amount 100.000			Recovery = 93.27%			
93) Terphenyl-d14	10.060	244	173005	43.83	ng	-0.04
Spiked Amount 50.000			Recovery = 87.66%			
Target Compounds						Qvalue
85) Phenanthrene	8.283	178	50350m	9.0997	ng	
86) Anthracene	8.342	178	14927m	2.6835	ng	
89) Fluoranthene	9.607	202	121722	20.4986	ng	94
91) Pyrene	9.872	202	115623	19.7218	ng	86
99) Benzo[a]anthracene	11.301	228	75995m	13.8480	ng	
100) Chrysene	11.348	228	79082m	15.2647	ng	
101) bis(2-Ethylhexyl)phtha...	11.360	149	9073	2.5783	ng	89
104) Benzo[b]fluoranthene	12.836	252	115073m	21.1082	ng	
105) Benzo[k]fluoranthene	12.877	252	37847m	6.5494	ng	
106) Benzo[a]pyrene	13.371	252	76512m	14.9082	ng	
107) Indeno[1,2,3-cd]pyrene	15.365	276	59562m	12.9031	ng	
108) Dibenzo[a,h]anthracene	15.395	278	14307m	3.0507	ng	
109) Benzo[g,h,i]perylene	15.754	276	57773m	12.4063	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130947.D\data.ms
Quant QT Reviewed
SampleID : AD48435-004
Data File: 9M130947.D
Acq On : 12/ 6/24 13:15
Operator : AH/JB
Sam Mult : 1 Vial# : 14
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/06/24 14:06
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Anthracene,P
Time-->


Abundance
TIC: 9M130947.D\data.ms
Phenanthrene-d10,I
Anthracene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Benzo[a]pyrene,P
Perylene-d12,I
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-005(R)
Client Id: SB-04-0-2.0'
Data File: 9M131007.D
Analysis Date: 12/08/24 17:49
Date Rec/Extracted: 11/27/24-12/07/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 71

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.047	U	**50-32-8**	**Benzo[a]pyrene**	**0.047**	**0.18**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.047	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.047**	**0.24**
123-91-1	1,4-Dioxane	0.047	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.047**	**0.14**
58-90-2	2,3,4,6-Tetrachlorophenol	0.047	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.047**	**0.077**
95-95-4	2,4,5-Trichlorophenol	0.047	U	111-91-1	bis(2-Chloroethoxy)methan	0.047	U
88-06-2	2,4,6-Trichlorophenol	0.047	U	111-44-4	bis(2-Chloroethyl)ether	0.018	U
120-83-2	2,4-Dichlorophenol	0.047	U	108-60-1	bis(2-chloroisopropyl)ether	0.047	U
105-67-9	2,4-Dimethylphenol	0.047	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.047	U
51-28-5	2,4-Dinitrophenol	0.23	U	85-68-7	Butylbenzylphthalate	0.047	U
121-14-2	2,4-Dinitrotoluene	0.047	U	105-60-2	Caprolactam	0.047	U
606-20-2	2,6-Dinitrotoluene	0.047	U	86-74-8	Carbazole	0.047	U
91-58-7	2-Chloronaphthalene	0.047	U	**218-01-9**	**Chrysene**	**0.047**	**0.17**
95-57-8	2-Chlorophenol	0.047	U	53-70-3	Dibenzo[a,h]anthracene	0.047	U
91-57-6	2-Methylnaphthalene	0.047	U	132-64-9	Dibenzofuran	0.047	U
95-48-7	2-Methylphenol	0.047	U	84-66-2	Diethylphthalate	0.047	U
88-74-4	2-Nitroaniline	0.047	U	131-11-3	Dimethylphthalate	0.047	U
88-75-5	2-Nitrophenol	0.047	U	84-74-2	Di-n-butylphthalate	0.23	U
106-44-5	3&4-Methylphenol	0.047	U	117-84-0	Di-n-octylphthalate	0.047	U
91-94-1	3,3'-Dichlorobenzidine	0.047	U	**206-44-0**	**Fluoranthene**	**0.047**	**0.26**
99-09-2	3-Nitroaniline	0.047	U	86-73-7	Fluorene	0.047	U
534-52-1	4,6-Dinitro-2-methylphenol	0.23	U	118-74-1	Hexachlorobenzene	0.047	U
101-55-3	4-Bromophenyl-phenylether	0.047	U	87-68-3	Hexachlorobutadiene	0.047	U
59-50-7	4-Chloro-3-methylphenol	0.047	U	77-47-4	Hexachlorocyclopentadiene	0.23	U
106-47-8	4-Chloroaniline	0.047	U	67-72-1	Hexachloroethane	0.047	U
7005-72-3	4-Chlorophenyl-phenylether	0.047	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.047**	**0.15**
100-01-6	4-Nitroaniline	0.047	U	78-59-1	Isophorone	0.047	U
100-02-7	4-Nitrophenol	0.047	U	91-20-3	Naphthalene	0.047	U
83-32-9	Acenaphthene	0.047	U	98-95-3	Nitrobenzene	0.047	U
208-96-8	Acenaphthylene	0.047	U	621-64-7	N-Nitroso-di-n-propylamine	0.047	U
98-86-2	Acetophenone	0.047	U	86-30-6	n-Nitrosodiphenylamine	0.047	U
120-12-7	Anthracene	0.047	U	87-86-5	Pentachlorophenol	0.23	U
1912-24-9	Atrazine	0.047	U	**85-01-8**	**Phenanthrene**	**0.047**	**0.11**
100-52-7	Benzaldehyde	0.047	U	108-95-2	Phenol	0.047	U
56-55-3	**Benzo[a]anthracene**	**0.047**	**0.16**	**129-00-0**	**Pyrene**	**0.047**	**0.24**

Worksheet #: 764458

Total Target Concentration 1.7

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

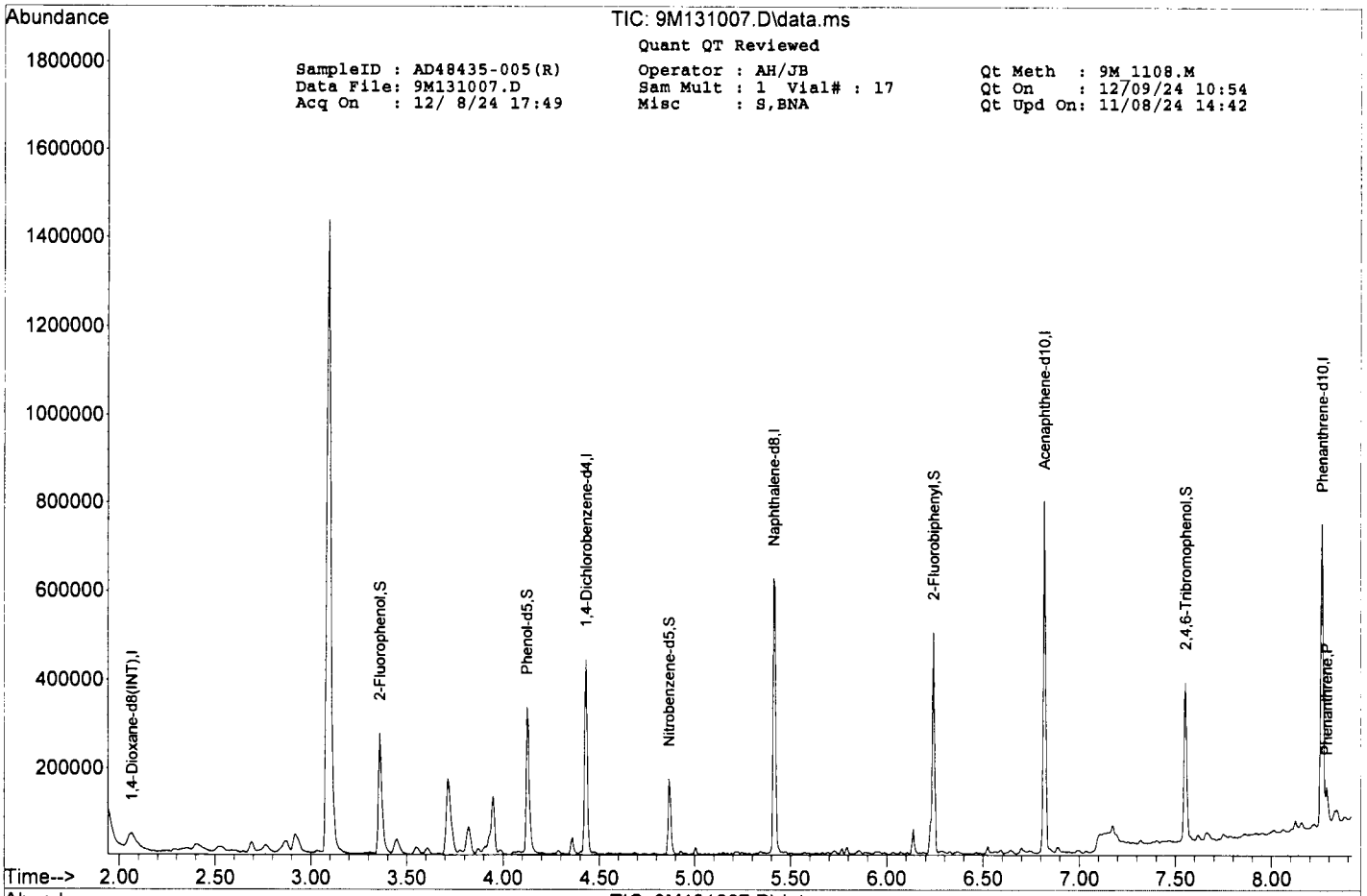
Quantitation Report (QT Reviewed)

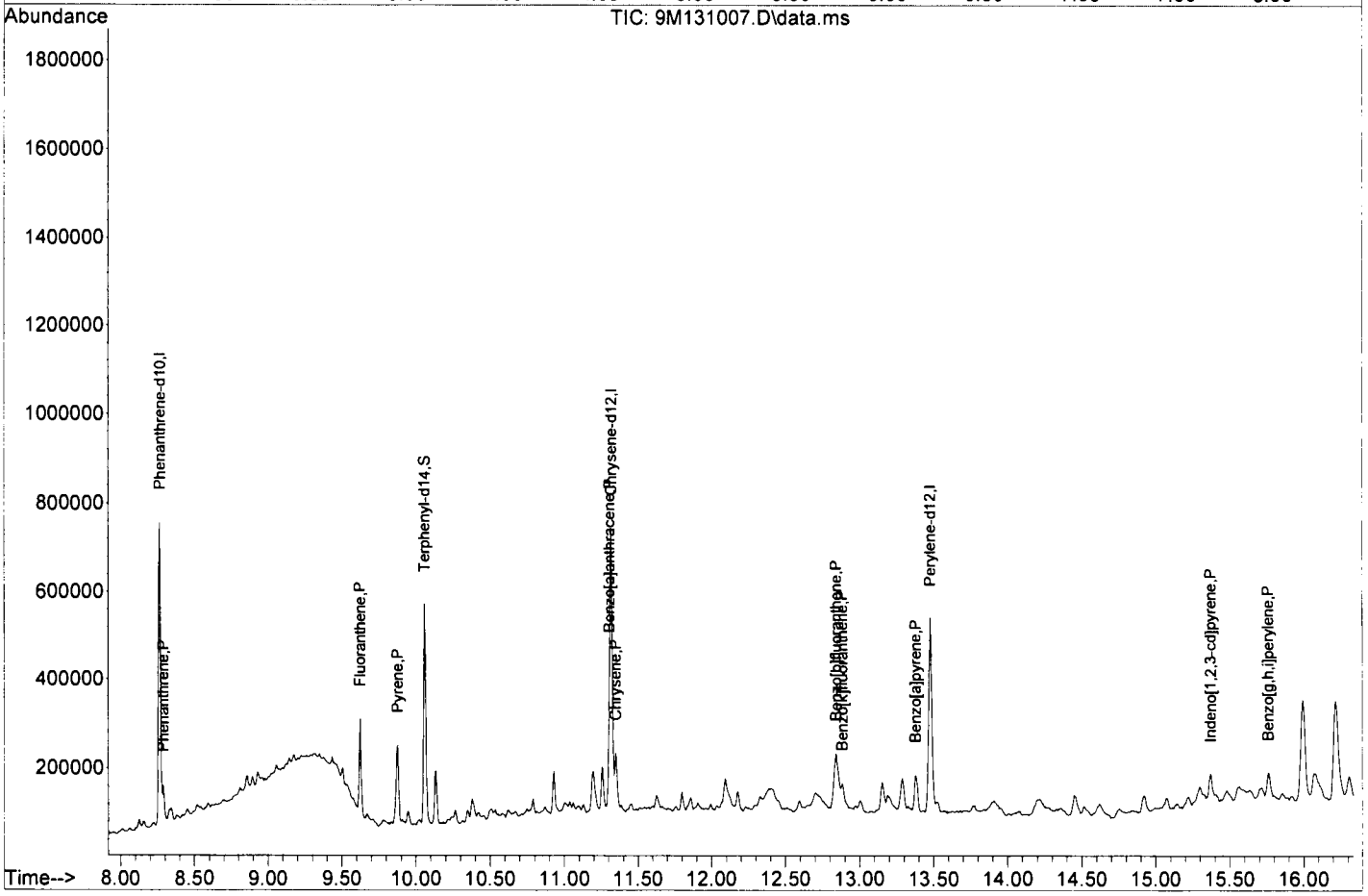
SampleID : AD48435-005(R) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131007.D Sam Mult : 1 Vial# : 17 Qt On : 12/09/24 10:54
Acq On : 12/ 8/24 17:49 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-08-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	42273	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	76219	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	282273	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	163219	40.00	ng	-0.04
76) Phenanthrene-d10	8.266	188	274065	40.00	ng	-0.04
90) Chrysene-d12	11.318	240	248610	40.00	ng	-0.04
102) Perylene-d12	13.477	264	249619	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	108136	47.72	ng	-0.03
Spiked Amount 100.000			Recovery = 47.72%			
16) Phenol-d5	4.125	99	139930	47.02	ng	-0.03
Spiked Amount 100.000			Recovery = 47.02%			
32) Nitrobenzene-d5	4.866	128	28981	25.54	ng	-0.04
Spiked Amount 50.000			Recovery = 51.08%			
55) 2-Fluorobiphenyl	6.242	172	137864	27.01	ng	-0.04
Spiked Amount 50.000			Recovery = 54.02%			
79) 2,4,6-Tribromophenol	7.554	330	49744	71.67	ng	-0.04
Spiked Amount 100.000			Recovery = 71.67%			
93) Terphenyl-d14	10.060	244	163180	31.02	ng	-0.04
Spiked Amount 50.000			Recovery = 62.04%			
Target Compounds						Qvalue
85) Phenanthrene	8.289	178	32308m	4.7784	ng	
89) Fluoranthene	9.624	202	80266	11.0618	ng	92
91) Pyrene	9.877	202	80157m	10.2610	ng	
99) Benzo[a]anthracene	11.307	228	51389m	7.0278	ng	
100) Chrysene	11.348	228	49359m	7.1502	ng	
104) Benzo[b]fluoranthene	12.842	252	73912m	10.3143	ng	
105) Benzo[k]fluoranthene	12.883	252	24770m	3.2609	ng	
106) Benzo[a]pyrene	13.377	252	51308	7.6055	ng	92
107) Indeno[1,2,3-cd]pyrene	15.371	276	38232m	6.3008	ng	
109) Benzo[g,h,i]perylene	15.759	276	37260m	6.0871	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131007.D\data.ms
Quant QT Reviewed
SampleID : AD48435-005(R)
Data File: 9M131007.D
Acq On : 12/ 8/24 17:49
Operator : AH/JB
Sam Mult : 1 Vial# : 17
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/09/24 10:54
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M131007.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-006(3X)
Client Id: SB-01-5.5-6.0'
Data File: 9M130949.D
Analysis Date: 12/06/24 13:58
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 83

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.12	U	**50-32-8**	**Benzo[a]pyrene**	**0.12**	**0.34**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.12	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.12**	**0.47**
123-91-1	1,4-Dioxane	0.12	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.12**	**0.27**
58-90-2	2,3,4,6-Tetrachlorophenol	0.12	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.12**	**0.16**
95-95-4	2,4,5-Trichlorophenol	0.12	U	111-91-1	bis(2-Chloroethoxy)methan	0.12	U
88-06-2	2,4,6-Trichlorophenol	0.12	U	111-44-4	bis(2-Chloroethyl)ether	0.046	U
120-83-2	2,4-Dichlorophenol	0.12	U	108-60-1	bis(2-chloroisopropyl)ether	0.12	U
105-67-9	2,4-Dimethylphenol	0.12	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.12	U
51-28-5	2,4-Dinitrophenol	0.60	U	85-68-7	Butylbenzylphthalate	0.12	U
121-14-2	2,4-Dinitrotoluene	0.12	U	105-60-2	Caprolactam	0.12	U
606-20-2	2,6-Dinitrotoluene	0.12	U	86-74-8	Carbazole	0.12	U
91-58-7	2-Chloronaphthalene	0.12	U	**218-01-9**	**Chrysene**	**0.12**	**0.34**
95-57-8	2-Chlorophenol	0.12	U	53-70-3	Dibenzo[a,h]anthracene	0.12	U
91-57-6	2-Methylnaphthalene	0.12	U	132-64-9	Dibenzofuran	0.12	U
95-48-7	2-Methylphenol	0.12	U	84-66-2	Diethylphthalate	0.12	U
88-74-4	2-Nitroaniline	0.12	U	131-11-3	Dimethylphthalate	0.12	U
88-75-5	2-Nitrophenol	0.12	U	84-74-2	Di-n-butylphthalate	0.60	U
106-44-5	3&4-Methylphenol	0.12	U	117-84-0	Di-n-octylphthalate	0.12	U
91-94-1	3,3'-Dichlorobenzidine	0.12	U	**206-44-0**	**Fluoranthene**	**0.12**	**0.59**
99-09-2	3-Nitroaniline	0.12	U	86-73-7	Fluorene	0.12	U
534-52-1	4,6-Dinitro-2-methylphenol	0.60	U	118-74-1	Hexachlorobenzene	0.12	U
101-55-3	4-Bromophenyl-phenylether	0.12	U	87-68-3	Hexachlorobutadiene	0.12	U
59-50-7	4-Chloro-3-methylphenol	0.12	U	77-47-4	Hexachlorocyclopentadiene	0.60	U
106-47-8	4-Chloroaniline	0.12	U	67-72-1	Hexachloroethane	0.12	U
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.12**	**0.28**
100-01-6	4-Nitroaniline	0.12	U	78-59-1	Isophorone	0.12	U
100-02-7	4-Nitrophenol	0.12	U	91-20-3	Naphthalene	0.12	U
83-32-9	Acenaphthene	0.12	U	98-95-3	Nitrobenzene	0.12	U
208-96-8	Acenaphthylene	0.12	U	621-64-7	N-Nitroso-di-n-propylamine	0.12	U
98-86-2	Acetophenone	0.12	U	86-30-6	n-Nitrosodiphenylamine	0.12	U
120-12-7	Anthracene	0.12	U	87-86-5	Pentachlorophenol	0.60	U
1912-24-9	Atrazine	0.12	U	**85-01-8**	**Phenanthrene**	**0.12**	**0.27**
100-52-7	Benzaldehyde	0.12	U	108-95-2	Phenol	0.12	U
56-55-3	**Benzo[a]anthracene**	**0.12**	**0.35**	**129-00-0**	**Pyrene**	**0.12**	**0.53**

Worksheet #: 764414

Total Target Concentration 3.6

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

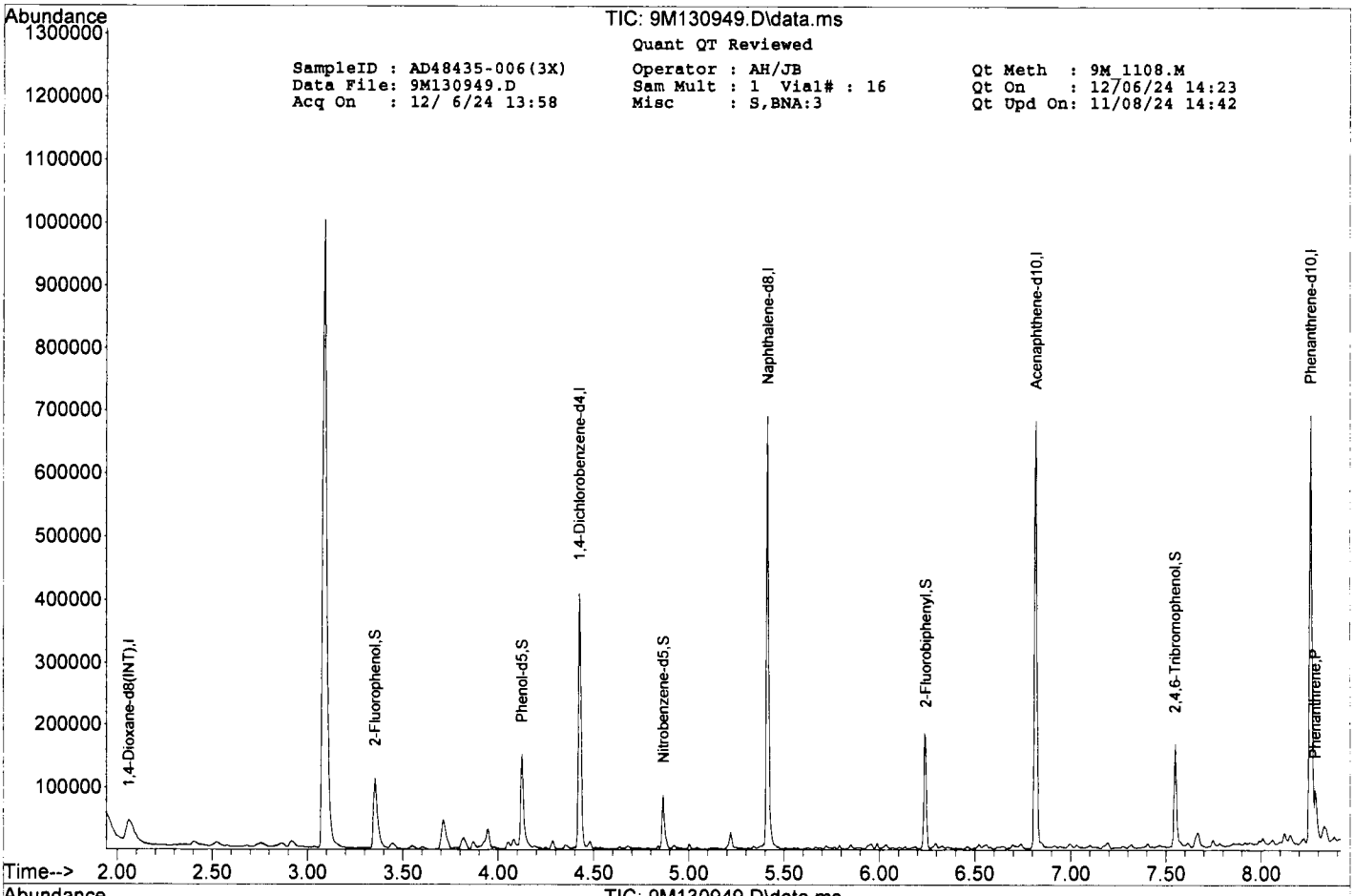
Quantitation Report (QT Reviewed)

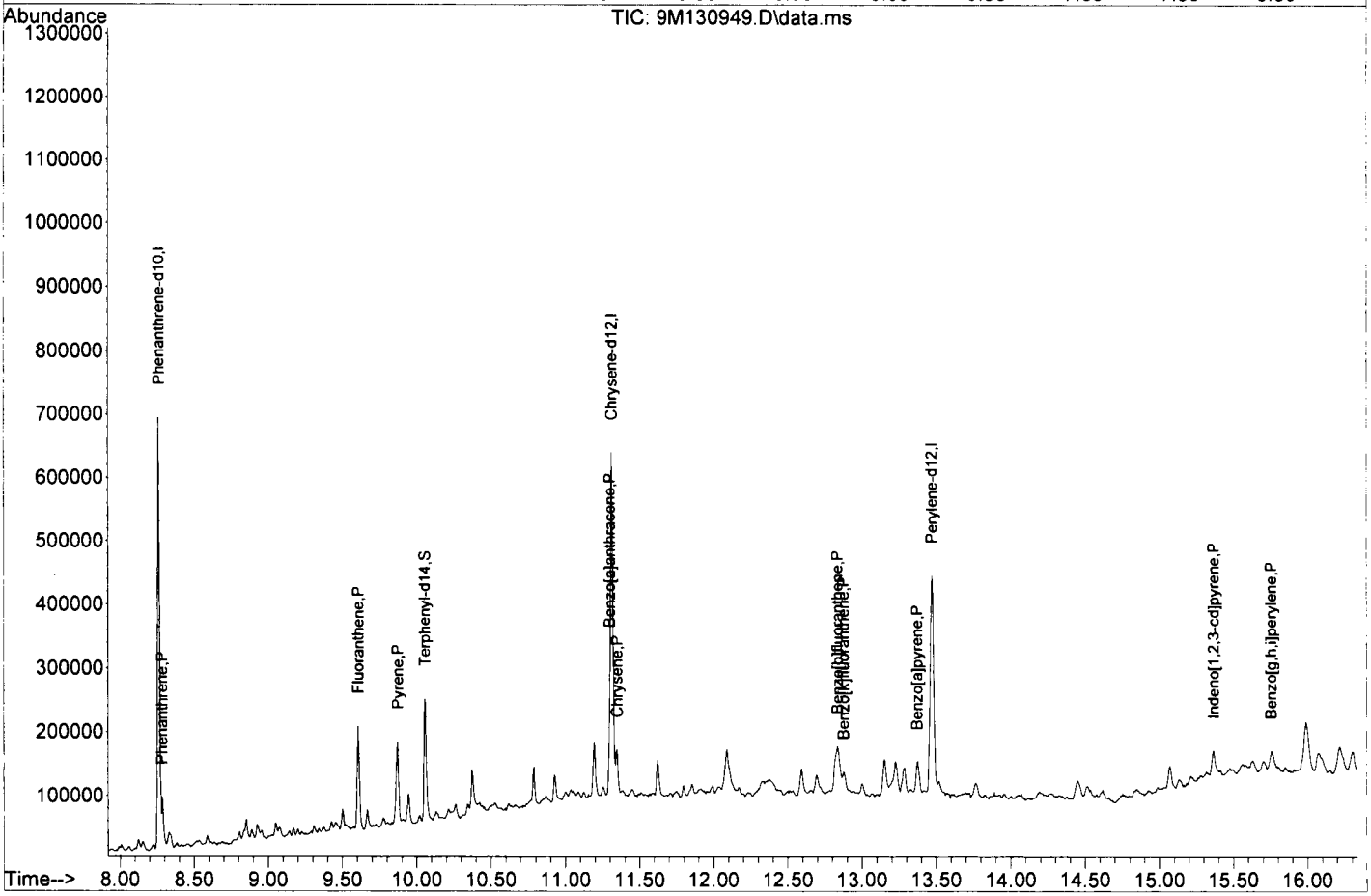
SampleID : AD48435-006(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130949.D Sam Mult : 1 Vial# : 16 Qt On : 12/06/24 14:23
Acq On : 12/ 6/24 13:58 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-06-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	39175	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.425	152	69343	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	258022	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	147228	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	257570	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	210671	40.00	ng	-0.05
102) Perylene-d12	13.471	264	208717	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	47327	22.54	ng	-0.04
Spiked Amount 100.000			Recovery = 22.54%			
16) Phenol-d5	4.125	99	60498	21.93	ng	-0.03
Spiked Amount 100.000			Recovery = 21.93%			
32) Nitrobenzene-d5	4.866	128	12877	12.42	ng	-0.04
Spiked Amount 50.000			Recovery = 24.84%			
55) 2-Fluorobiphenyl	6.242	172	57288	12.44	ng	-0.04
Spiked Amount 50.000			Recovery = 24.88%			
79) 2,4,6-Tribromophenol	7.548	330	19246	29.51	ng	-0.04
Spiked Amount 100.000			Recovery = 29.51%			
93) Terphenyl-d14	10.054	244	65103	14.61	ng	-0.05
Spiked Amount 50.000			Recovery = 29.22%			
Target Compounds						Qvalue
85) Phenanthrene	8.284	178	28974m	4.5597	ng	
89) Fluoranthene	9.607	202	66364	9.7316	ng	91
91) Pyrene	9.872	202	58013m	8.7637	ng	
99) Benzo[a]anthracene	11.301	228	35532m	5.7343	ng	
100) Chrysene	11.348	228	32578m	5.5692	ng	
104) Benzo[b]fluoranthene	12.836	252	47151m	7.8693	ng	
105) Benzo[k]fluoranthene	12.877	252	17024m	2.6804	ng	
106) Benzo[a]pyrene	13.371	252	31957m	5.6654	ng	
107) Indeno[1,2,3-cd]pyrene	15.365	276	23241m	4.5809	ng	
109) Benzo[g,h,i]perylene	15.754	276	22623m	4.4201	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130949.D\data.ms
Quant QT Reviewed
SampleID : AD48435-006(3X)
Data File: 9M130949.D
Acq On : 12/ 6/24 13:58
Operator : AH/JB
Sam Mult : 1 Vial# : 16
Misc : S,BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/06/24 14:23
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M130949.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[a]anthracene,P
Benzo[b]fluoranthene,P
Benzo[k]fluoranthene,P
Perylene-d12,I
Benzo[a]pyrene,P
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-008
Client Id: SB-06-0-2.0'
Data File: 9M130950.D
Analysis Date: 12/06/24 14:20
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.039	U	**50-32-8**	**Benzo[a]pyrene**	**0.039**	**0.40**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.039	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.039**	**0.55**
123-91-1	1,4-Dioxane	0.039	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.039**	**0.30**
58-90-2	2,3,4,6-Tetrachlorophenol	0.039	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.039**	**0.14**
95-95-4	2,4,5-Trichlorophenol	0.039	U	111-91-1	bis(2-Chloroethoxy)methan	0.039	U
88-06-2	2,4,6-Trichlorophenol	0.039	U	111-44-4	bis(2-Chloroethyl)ether	0.015	U
120-83-2	2,4-Dichlorophenol	0.039	U	108-60-1	bis(2-chloroisopropyl)ether	0.039	U
105-67-9	2,4-Dimethylphenol	0.039	U	**117-81-7**	**bis(2-Ethylhexyl)phthalate**	**0.039**	**0.091**
51-28-5	2,4-Dinitrophenol	0.19	U	85-68-7	Butylbenzylphthalate	0.039	U
121-14-2	2,4-Dinitrotoluene	0.039	U	105-60-2	Caprolactam	0.039	U
606-20-2	2,6-Dinitrotoluene	0.039	U	86-74-8	Carbazole	0.039	U
91-58-7	2-Chloronaphthalene	0.039	U	**218-01-9**	**Chrysene**	**0.039**	**0.37**
95-57-8	2-Chlorophenol	0.039	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.039**	**0.073**
91-57-6	2-Methylnaphthalene	0.039	U	132-64-9	Dibenzofuran	0.039	U
95-48-7	2-Methylphenol	0.039	U	84-66-2	Diethylphthalate	0.039	U
88-74-4	2-Nitroaniline	0.039	U	131-11-3	Dimethylphthalate	0.039	U
88-75-5	2-Nitrophenol	0.039	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	0.039	U	117-84-0	Di-n-octylphthalate	0.039	U
91-94-1	3,3'-Dichlorobenzidine	0.039	U	**206-44-0**	**Fluoranthene**	**0.039**	**0.56**
99-09-2	3-Nitroaniline	0.039	U	86-73-7	Fluorene	0.039	U
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.039	U
101-55-3	4-Bromophenyl-phenylether	0.039	U	87-68-3	Hexachlorobutadiene	0.039	U
59-50-7	4-Chloro-3-methylphenol	0.039	U	77-47-4	Hexachlorocyclopentadiene	0.19	U
106-47-8	4-Chloroaniline	0.039	U	67-72-1	Hexachloroethane	0.039	U
7005-72-3	4-Chlorophenyl-phenylether	0.039	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.039**	**0.33**
100-01-6	4-Nitroaniline	0.039	U	78-59-1	Isophorone	0.039	U
100-02-7	4-Nitrophenol	0.039	U	91-20-3	Naphthalene	0.039	U
83-32-9	Acenaphthene	0.039	U	98-95-3	Nitrobenzene	0.039	U
208-96-8	Acenaphthylene	0.039	U	621-64-7	N-Nitroso-di-n-propylamine	0.039	U
98-86-2	Acetophenone	0.039	U	86-30-6	n-Nitrosodiphenylamine	0.039	U
120-12-7	**Anthracene**	**0.039**	**0.078**	87-86-5	Pentachlorophenol	0.19	U
1912-24-9	Atrazine	0.039	U	**85-01-8**	**Phenanthrene**	**0.039**	**0.25**
100-52-7	Benzaldehyde	0.039	U	108-95-2	Phenol	0.039	U
56-55-3	**Benzo[a]anthracene**	**0.039**	**0.37**	**129-00-0**	**Pyrene**	**0.039**	**0.54**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

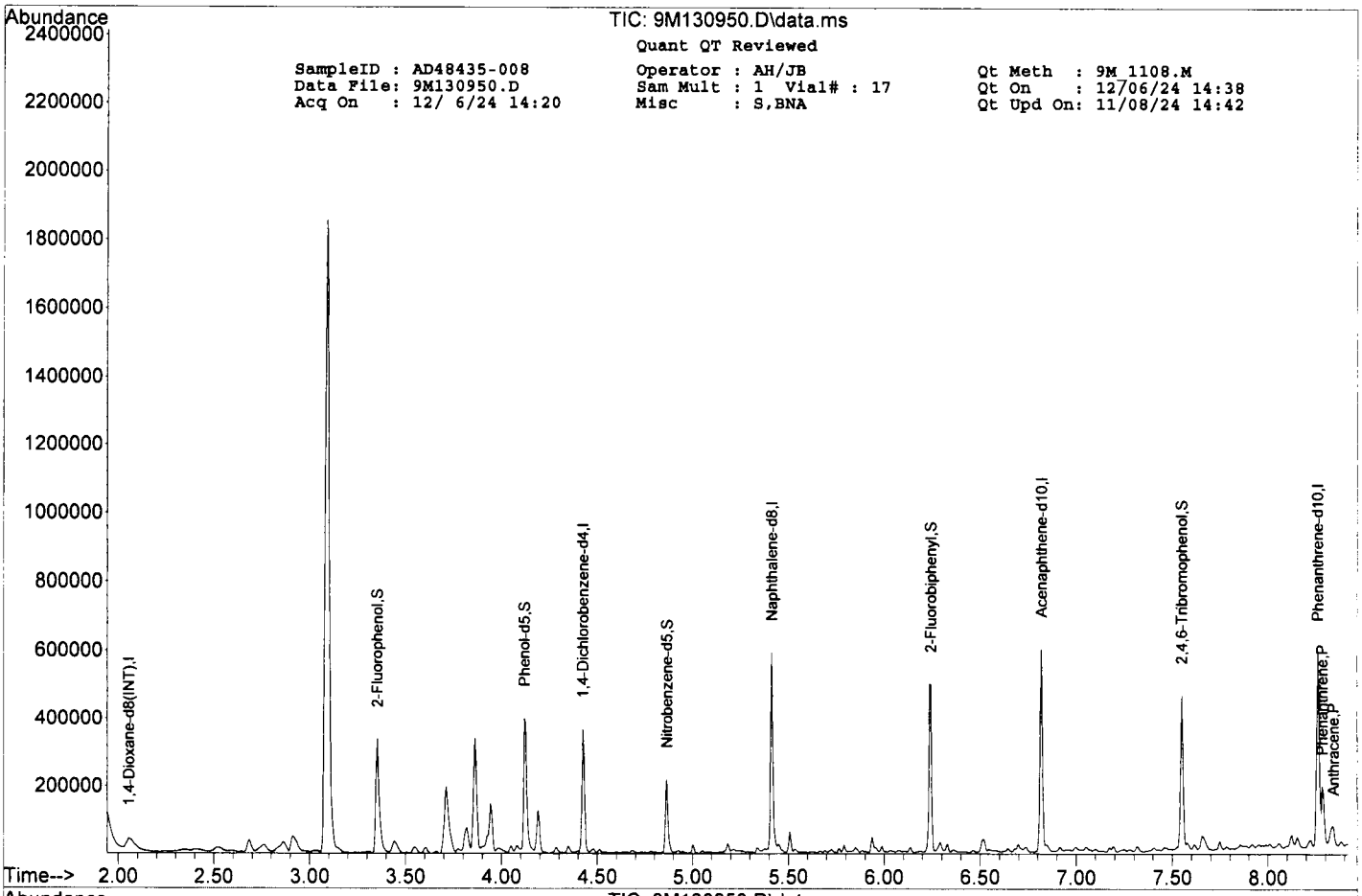
Quantitation Report (QT Reviewed)

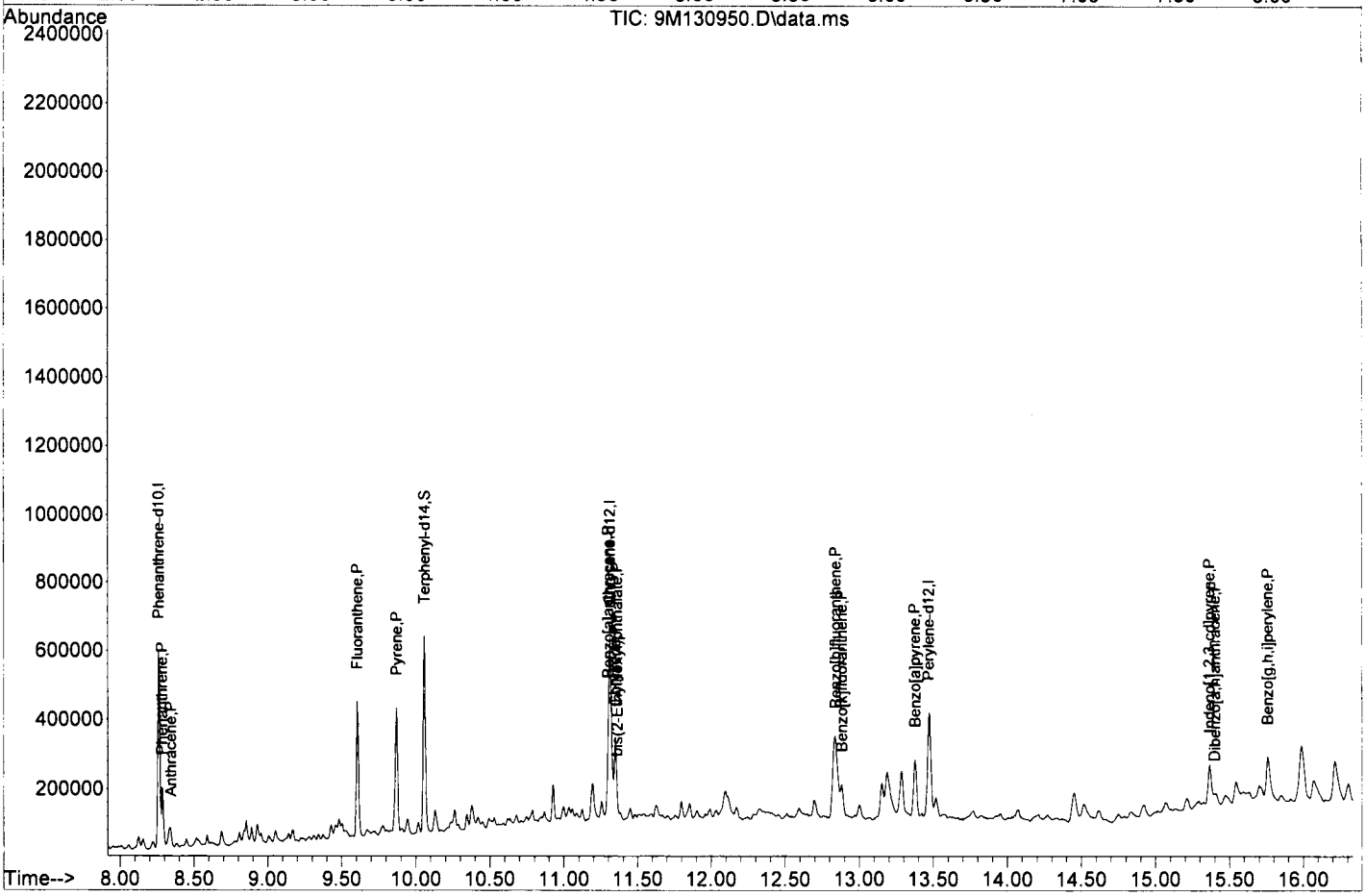
SampleID : AD48435-008 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130950.D Sam Mult : 1 Vial# : 17 Qt On : 12/06/24 14:38
Acq On : 12/ 6/24 14:20 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-06-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.055	96	34260	40.00	ng	-0.06
21) 1,4-Dichlorobenzene-d4	4.425	152	59121	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	217426	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	125983	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	217234	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	180278	40.00	ng	-0.05
102) Perylene-d12	13.471	264	183710	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	127021	69.17	ng	-0.04
Spiked Amount 100.000			Recovery = 69.17%			
16) Phenol-d5	4.119	99	165054	68.43	ng	-0.04
Spiked Amount 100.000			Recovery = 68.43%			
32) Nitrobenzene-d5	4.866	128	33435	38.25	ng	-0.04
Spiked Amount 50.000			Recovery = 76.50%			
55) 2-Fluorobiphenyl	6.242	172	159689	40.53	ng	-0.04
Spiked Amount 50.000			Recovery = 81.06%			
79) 2,4,6-Tribromophenol	7.548	330	55625	101.12	ng	-0.04
Spiked Amount 100.000			Recovery = 101.12%			
93) Terphenyl-d14	10.060	244	184201	48.30	ng	-0.04
Spiked Amount 50.000			Recovery = 96.60%			
Target Compounds						Qvalue
85) Phenanthrene	8.284	178	69262	12.9238	ng	99
86) Anthracene	8.342	178	21819m	4.0498	ng	
89) Fluoranthene	9.607	202	167315	29.0908	ng	93
91) Pyrene	9.872	202	156383	27.6066	ng	87
99) Benzo[a]anthracene	11.301	228	100069m	18.8722	ng	
100) Chrysene	11.348	228	95391m	19.0562	ng	
101) bis(2-Ethylhexyl)phtha...	11.360	149	16029m	4.7141	ng	
104) Benzo[b]fluoranthene	12.842	252	150045m	28.4506	ng	
105) Benzo[k]fluoranthene	12.883	252	41729m	7.4645	ng	
106) Benzo[a]pyrene	13.377	252	101463m	20.4360	ng	
107) Indeno[1,2,3-cd]pyrene	15.365	276	75889m	16.9940	ng	
108) Dibenzo[a,h]anthracene	15.401	278	17142m	3.7784	ng	
109) Benzo[g,h,i]perylene	15.760	276	70313m	15.6080	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130950.D\data.ms
Quant QT Reviewed
SampleID : AD48435-008
Data File: 9M130950.D
Acq On : 12/ 6/24 14:20
Operator : AH/JB
Sam Mult : 1 Vial# : 17
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/06/24 14:38
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Anthracene,P
Time-->


Abundance
TIC: 9M130950.D\data.ms
Phenanthrene-d10,I
Anthracene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Benzo[a]pyrene,P
Perylene-d12,I
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-009(3X)
Client Id: SB-16-0-2.0'
Data File: 9M130951.D
Analysis Date: 12/06/24 14:41
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.11	U	**50-32-8**	**Benzo[a]pyrene**	**0.11**	**0.92**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.11	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.11**	**1.2**
123-91-1	1,4-Dioxane	0.11	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.11**	**0.66**
58-90-2	2,3,4,6-Tetrachlorophenol	0.11	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.11**	**0.42**
95-95-4	2,4,5-Trichlorophenol	0.11	U	111-91-1	bis(2-Chloroethoxy)methan	0.11	U
88-06-2	2,4,6-Trichlorophenol	0.11	U	111-44-4	bis(2-Chloroethyl)ether	0.043	U
120-83-2	2,4-Dichlorophenol	0.11	U	108-60-1	bis(2-chloroisopropyl)ether	0.11	U
105-67-9	2,4-Dimethylphenol	0.11	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.11	U
51-28-5	2,4-Dinitrophenol	0.57	U	85-68-7	Butylbenzylphthalate	0.11	U
121-14-2	2,4-Dinitrotoluene	0.11	U	105-60-2	Caprolactam	0.11	U
606-20-2	2,6-Dinitrotoluene	0.11	U	86-74-8	Carbazole	0.11	U
91-58-7	2-Chloronaphthalene	0.11	U	**218-01-9**	**Chrysene**	**0.11**	**1.1**
95-57-8	2-Chlorophenol	0.11	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.11**	**0.17**
91-57-6	2-Methylnaphthalene	0.11	U	132-64-9	Dibenzofuran	0.11	U
95-48-7	2-Methylphenol	0.11	U	84-66-2	Diethylphthalate	0.11	U
88-74-4	2-Nitroaniline	0.11	U	131-11-3	Dimethylphthalate	0.11	U
88-75-5	2-Nitrophenol	0.11	U	84-74-2	Di-n-butylphthalate	0.57	U
106-44-5	3&4-Methylphenol	0.11	U	117-84-0	Di-n-octylphthalate	0.11	U
91-94-1	3,3'-Dichlorobenzidine	0.11	U	**206-44-0**	**Fluoranthene**	**0.11**	**1.7**
99-09-2	3-Nitroaniline	0.11	U	86-73-7	Fluorene	0.11	U
534-52-1	4,6-Dinitro-2-methylphenol	0.57	U	118-74-1	Hexachlorobenzene	0.11	U
101-55-3	4-Bromophenyl-phenylether	0.11	U	87-68-3	Hexachlorobutadiene	0.11	U
59-50-7	4-Chloro-3-methylphenol	0.11	U	77-47-4	Hexachlorocyclopentadiene	0.57	U
106-47-8	4-Chloroaniline	0.11	U	67-72-1	Hexachloroethane	0.11	U
7005-72-3	4-Chlorophenyl-phenylether	0.11	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.11**	**0.69**
100-01-6	4-Nitroaniline	0.11	U	78-59-1	Isophorone	0.11	U
100-02-7	4-Nitrophenol	0.11	U	91-20-3	Naphthalene	0.11	U
83-32-9	Acenaphthene	0.11	U	98-95-3	Nitrobenzene	0.11	U
208-96-8	Acenaphthylene	0.11	U	621-64-7	N-Nitroso-di-n-propylamine	0.11	U
98-86-2	Acetophenone	0.11	U	86-30-6	n-Nitrosodiphenylamine	0.11	U
120-12-7	**Anthracene**	**0.11**	**0.15**	87-86-5	Pentachlorophenol	0.57	U
1912-24-9	Atrazine	0.11	U	**85-01-8**	**Phenanthrene**	**0.11**	**0.60**
100-52-7	Benzaldehyde	0.11	U	108-95-2	Phenol	0.11	U
56-55-3	**Benzo[a]anthracene**	**0.11**	**1.1**	**129-00-0**	**Pyrene**	**0.11**	**1.7**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

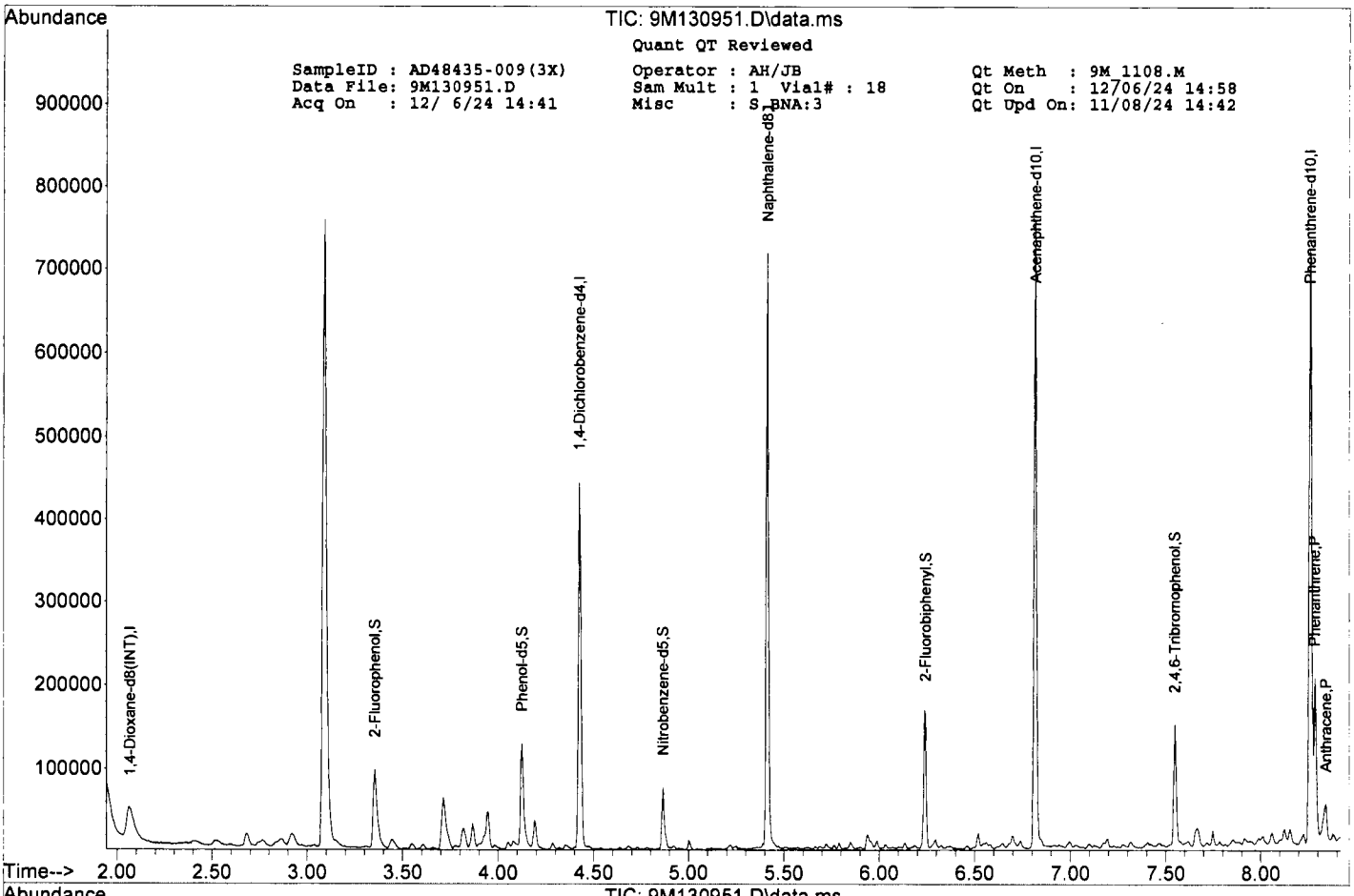
Quantitation Report (QT Reviewed)

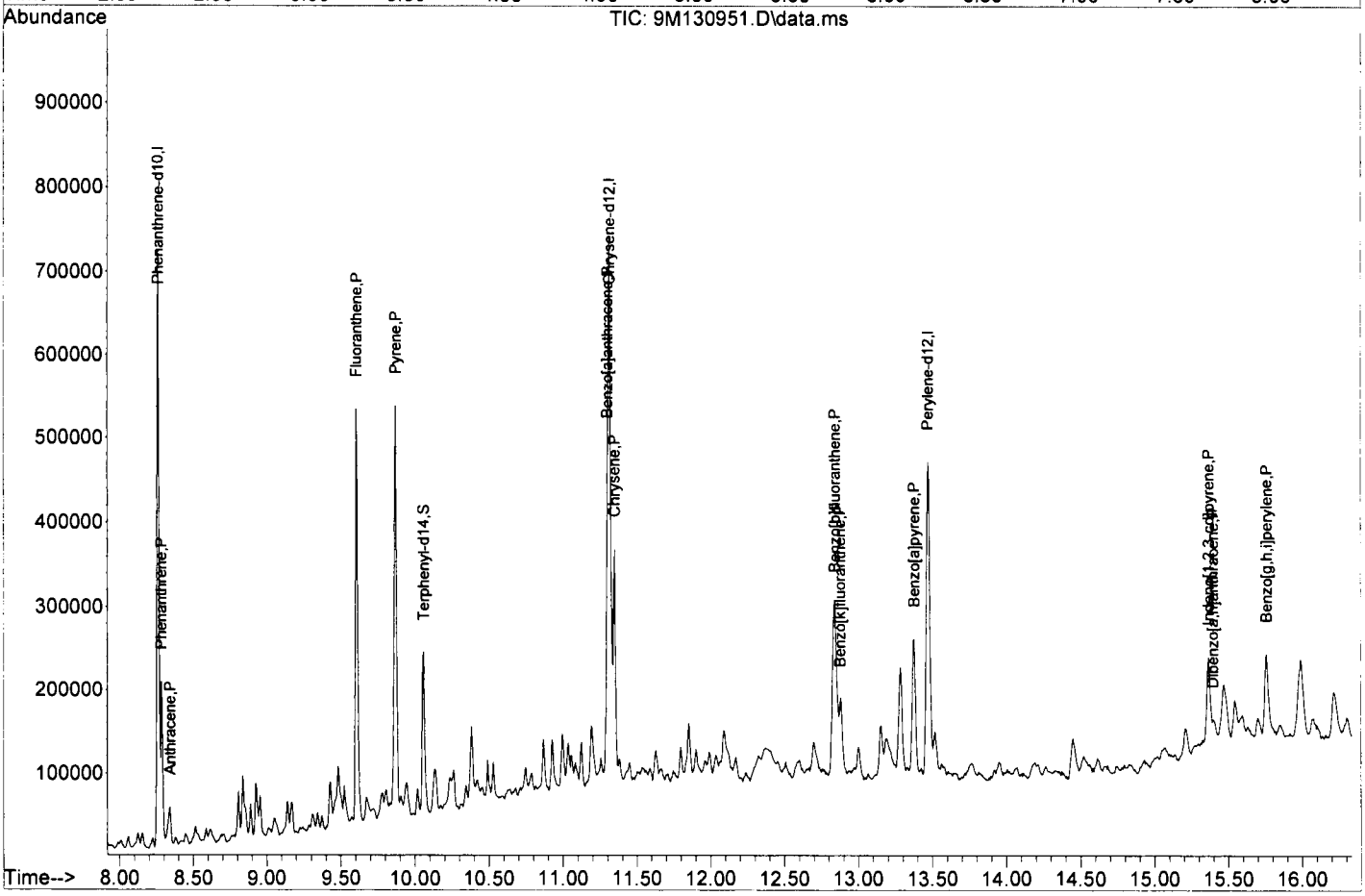
SampleID : AD48435-009(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130951.D Sam Mult : 1 Vial# : 18 Qt On : 12/06/24 14:58
Acq On : 12/ 6/24 14:41 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-06-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	42003	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.425	152	73276	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	275413	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	159098	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	275872	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	226119	40.00	ng	-0.05
102) Perylene-d12	13.472	264	226730	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.355	112	41994	18.65	ng	-0.04
Spiked Amount 100.000			Recovery = 18.65%			
16) Phenol-d5	4.125	99	55619	18.81	ng	-0.03
Spiked Amount 100.000			Recovery = 18.81%			
32) Nitrobenzene-d5	4.866	128	11323	10.23	ng	-0.04
Spiked Amount 50.000			Recovery = 20.46%			
55) 2-Fluorobiphenyl	6.243	172	52958	10.64	ng	-0.04
Spiked Amount 50.000			Recovery = 21.28%			
79) 2,4,6-Tribromophenol	7.548	330	18188	26.03	ng	-0.04
Spiked Amount 100.000			Recovery = 26.03%			
93) Terphenyl-d14	10.060	244	61602	12.88	ng	-0.04
Spiked Amount 50.000			Recovery = 25.76%			
Target Compounds						Qvalue
85) Phenanthrene	8.284	178	71606	10.5212	ng	99
86) Anthracene	8.342	178	18330m	2.6791	ng	
89) Fluoranthene	9.607	202	213031	29.1665	ng	93
91) Pyrene	9.872	202	210463	29.6213	ng	86
99) Benzo[a]anthracene	11.301	228	128198m	19.2757	ng	
100) Chrysene	11.348	228	124944m	19.8999	ng	
104) Benzo[b]fluoranthene	12.842	252	141704m	21.7708	ng	
105) Benzo[k]fluoranthene	12.877	252	50656m	7.3420	ng	
106) Benzo[a]pyrene	13.377	252	99730m	16.2757	ng	
107) Indeno[1,2,3-cd]pyrene	15.366	276	67095m	12.1739	ng	
108) Dibenzo[a,h]anthracene	15.395	278	16314m	2.9136	ng	
109) Benzo[g,h,i]perylene	15.760	276	64793m	11.6537	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130951.D\data.ms
Quant QT Reviewed
SampleID : AD48435-009(3X)
Data File: 9M130951.D
Acq On : 12/ 6/24 14:41
Operator : AH/JB
Sam Mult : 1 Vial# : 18
Misc : S_BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/06/24 14:58
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Time-->


Abundance
TIC: 9M130951.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[b]fluoranthene,P
Benzo[k]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Dibenz[a,h]anthracene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-010(3X)
Client Id: SB-21-0-2.0'
Data File: 9M130952.D
Analysis Date: 12/06/24 15:03
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.11	U	**50-32-8**	**Benzo[a]pyrene**	**0.11**	**0.50**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.11	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.11**	**0.67**
123-91-1	1,4-Dioxane	0.11	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.11**	**0.38**
58-90-2	2,3,4,6-Tetrachlorophenol	0.11	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.11**	**0.22**
95-95-4	2,4,5-Trichlorophenol	0.11	U	111-91-1	bis(2-Chloroethoxy)methan	0.11	U
88-06-2	2,4,6-Trichlorophenol	0.11	U	111-44-4	bis(2-Chloroethyl)ether	0.043	U
120-83-2	2,4-Dichlorophenol	0.11	U	108-60-1	bis(2-chloroisopropyl)ether	0.11	U
105-67-9	2,4-Dimethylphenol	0.11	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.11	U
51-28-5	2,4-Dinitrophenol	0.56	U	85-68-7	Butylbenzylphthalate	0.11	U
121-14-2	2,4-Dinitrotoluene	0.11	U	105-60-2	Caprolactam	0.11	U
606-20-2	2,6-Dinitrotoluene	0.11	U	86-74-8	Carbazole	0.11	U
91-58-7	2-Chloronaphthalene	0.11	U	**218-01-9**	**Chrysene**	**0.11**	**0.51**
95-57-8	2-Chlorophenol	0.11	U	53-70-3	Dibenzo[a,h]anthracene	0.11	U
91-57-6	2-Methylnaphthalene	0.11	U	132-64-9	Dibenzofuran	0.11	U
95-48-7	2-Methylphenol	0.11	U	84-66-2	Diethylphthalate	0.11	U
88-74-4	2-Nitroaniline	0.11	U	131-11-3	Dimethylphthalate	0.11	U
88-75-5	2-Nitrophenol	0.11	U	84-74-2	Di-n-butylphthalate	0.56	U
106-44-5	3&4-Methylphenol	0.11	U	117-84-0	Di-n-octylphthalate	0.11	U
91-94-1	3,3'-Dichlorobenzidine	0.11	U	**206-44-0**	**Fluoranthene**	**0.11**	**0.78**
99-09-2	3-Nitroaniline	0.11	U	86-73-7	Fluorene	0.11	U
534-52-1	4,6-Dinitro-2-methylphenol	0.56	U	118-74-1	Hexachlorobenzene	0.11	U
101-55-3	4-Bromophenyl-phenylether	0.11	U	87-68-3	Hexachlorobutadiene	0.11	U
59-50-7	4-Chloro-3-methylphenol	0.11	U	77-47-4	Hexachlorocyclopentadiene	0.56	U
106-47-8	4-Chloroaniline	0.11	U	67-72-1	Hexachloroethane	0.11	U
7005-72-3	4-Chlorophenyl-phenylether	0.11	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.11**	**0.40**
100-01-6	4-Nitroaniline	0.11	U	78-59-1	Isophorone	0.11	U
100-02-7	4-Nitrophenol	0.11	U	91-20-3	Naphthalene	0.11	U
83-32-9	Acenaphthene	0.11	U	98-95-3	Nitrobenzene	0.11	U
208-96-8	Acenaphthylene	0.11	U	621-64-7	N-Nitroso-di-n-propylamine	0.11	U
98-86-2	Acetophenone	0.11	U	86-30-6	n-Nitrosodiphenylamine	0.11	U
120-12-7	Anthracene	0.11	U	87-86-5	Pentachlorophenol	0.56	U
1912-24-9	Atrazine	0.11	U	**85-01-8**	**Phenanthrene**	**0.11**	**0.33**
100-52-7	Benzaldehyde	0.11	U	108-95-2	Phenol	0.11	U
56-55-3	**Benzo[a]anthracene**	**0.11**	**0.49**	**129-00-0**	**Pyrene**	**0.11**	**0.79**

Worksheet #: 764414 *Total Target Concentration* 5.1 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

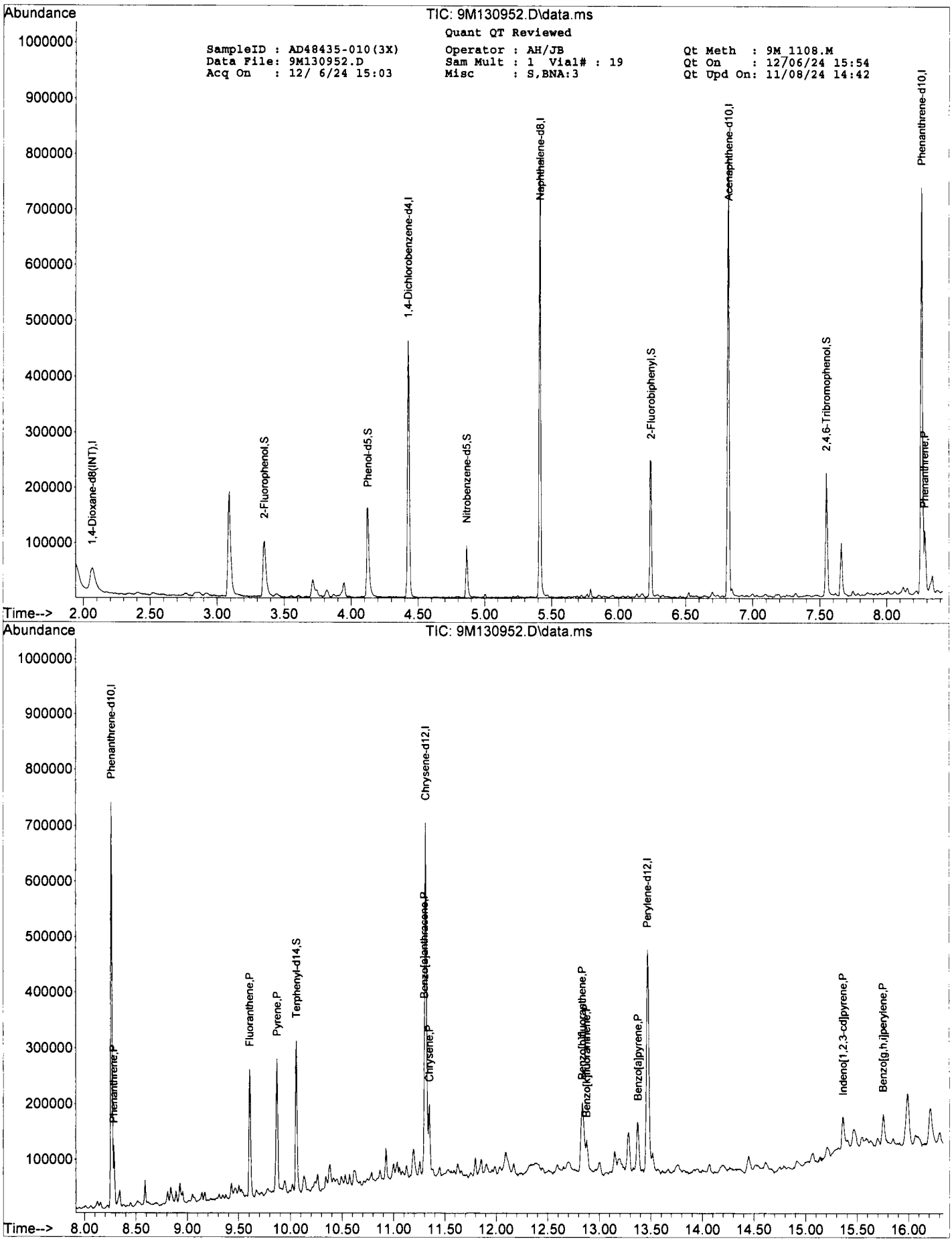
Quantitation Report (QT Reviewed)

SampleID : AD48435-010(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130952.D Sam Mult : 1 Vial# : 19 Qt On : 12/06/24 15:54
Acq On : 12/ 6/24 15:03 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-06-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	43741	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.425	152	77904	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	290024	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	166302	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	285937	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	235286	40.00	ng	-0.05
102) Perylene-d12	13.471	264	235163	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	49289	21.02	ng	-0.04
Spiked Amount 100.000			Recovery = 21.02%			
16) Phenol-d5	4.125	99	73939	24.01	ng	-0.03
Spiked Amount 100.000			Recovery = 24.01%			
32) Nitrobenzene-d5	4.866	128	14414	12.36	ng	-0.04
Spiked Amount 50.000			Recovery = 24.72%			
55) 2-Fluorobiphenyl	6.242	172	79017	15.19	ng	-0.04
Spiked Amount 50.000			Recovery = 30.38%			
79) 2,4,6-Tribromophenol	7.548	330	27352	37.77	ng	-0.04
Spiked Amount 100.000			Recovery = 37.77%			
93) Terphenyl-d14	10.060	244	91452	18.37	ng	-0.04
Spiked Amount 50.000			Recovery = 36.74%			
Target Compounds						Qvalue
85) Phenanthrene	8.284	178	41265m	5.8497	ng	
89) Fluoranthene	9.607	202	105481	13.9333	ng	93
91) Pyrene	9.872	202	103696	14.0259	ng	86
99) Benzo[a]anthracene	11.301	228	60776m	8.7822	ng	
100) Chrysene	11.348	228	59396m	9.0915	ng	
104) Benzo[b]fluoranthene	12.836	252	80943m	11.9898	ng	
105) Benzo[k]fluoranthene	12.877	252	28558m	3.9907	ng	
106) Benzo[a]pyrene	13.377	252	56801	8.9374	ng	91
107) Indeno[1,2,3-cd]pyrene	15.365	276	40657m	7.1124	ng	
109) Benzo[g,h,i]perylene	15.754	276	39333m	6.8207	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130952.D\data.ms
Quant QT Reviewed
SampleID : AD48435-010(3X)
Data File: 9M130952.D
Acq On : 12/ 6/24 15:03
Operator : AH/JB
Sam Mult : 1 Vial# : 19
Misc : S,BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/06/24 15:54
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->

Abundance
TIC: 9M130952.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Benzo[a]anthracene,P
Chrysene,P
Benzo(b)fluoranthene,P
Benzo(k)fluoranthene,P
Perylene-d12,I
Benzo[a]pyrene,P
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-011(3X)
Client Id: SB-15-0-2.0'
Data File: 9M130953.D
Analysis Date: 12/06/24 15:24
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.12	U	**50-32-8**	**Benzo[a]pyrene**	**0.12**	**0.63**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.12	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.12**	**0.88**
123-91-1	1,4-Dioxane	0.12	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.12**	**0.48**
58-90-2	2,3,4,6-Tetrachlorophenol	0.12	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.12**	**0.29**
95-95-4	2,4,5-Trichlorophenol	0.12	U	111-91-1	bis(2-Chloroethoxy)methan	0.12	U
88-06-2	2,4,6-Trichlorophenol	0.12	U	111-44-4	bis(2-Chloroethyl)ether	0.044	U
120-83-2	2,4-Dichlorophenol	0.12	U	108-60-1	bis(2-chloroisopropyl)ether	0.12	U
105-67-9	2,4-Dimethylphenol	0.12	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.12	U
51-28-5	2,4-Dinitrophenol	0.58	U	85-68-7	Butylbenzylphthalate	0.12	U
121-14-2	2,4-Dinitrotoluene	0.12	U	105-60-2	Caprolactam	0.12	U
606-20-2	2,6-Dinitrotoluene	0.12	U	86-74-8	Carbazole	0.12	U
91-58-7	2-Chloronaphthalene	0.12	U	**218-01-9**	**Chrysene**	**0.12**	**0.67**
95-57-8	2-Chlorophenol	0.12	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.12**	**0.12**
91-57-6	2-Methylnaphthalene	0.12	U	132-64-9	Dibenzofuran	0.12	U
95-48-7	2-Methylphenol	0.12	U	84-66-2	Diethylphthalate	0.12	U
88-74-4	2-Nitroaniline	0.12	U	131-11-3	Dimethylphthalate	0.12	U
88-75-5	2-Nitrophenol	0.12	U	84-74-2	Di-n-butylphthalate	0.58	U
106-44-5	3&4-Methylphenol	0.12	U	117-84-0	Di-n-octylphthalate	0.12	U
91-94-1	3,3'-Dichlorobenzidine	0.12	U	**206-44-0**	**Fluoranthene**	**0.12**	**1.2**
99-09-2	3-Nitroaniline	0.12	U	86-73-7	Fluorene	0.12	U
534-52-1	4,6-Dinitro-2-methylphenol	0.58	U	118-74-1	Hexachlorobenzene	0.12	U
101-55-3	4-Bromophenyl-phenylether	0.12	U	87-68-3	Hexachlorobutadiene	0.12	U
59-50-7	4-Chloro-3-methylphenol	0.12	U	77-47-4	Hexachlorocyclopentadiene	0.58	U
106-47-8	4-Chloroaniline	0.12	U	67-72-1	Hexachloroethane	0.12	U
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.12**	**0.51**
100-01-6	4-Nitroaniline	0.12	U	78-59-1	Isophorone	0.12	U
100-02-7	4-Nitrophenol	0.12	U	91-20-3	Naphthalene	0.12	U
83-32-9	Acenaphthene	0.12	U	98-95-3	Nitrobenzene	0.12	U
208-96-8	Acenaphthylene	0.12	U	621-64-7	N-Nitroso-di-n-propylamine	0.12	U
98-86-2	Acetophenone	0.12	U	86-30-6	n-Nitrosodiphenylamine	0.12	U
120-12-7	**Anthracene**	**0.12**	**0.13**	87-86-5	Pentachlorophenol	0.58	U
1912-24-9	Atrazine	0.12	U	**85-01-8**	**Phenanthrene**	**0.12**	**0.50**
100-52-7	Benzaldehyde	0.12	U	108-95-2	Phenol	0.12	U
56-55-3	**Benzo[a]anthracene**	**0.12**	**0.68**	**129-00-0**	**Pyrene**	**0.12**	**1.1**

Worksheet #: 764414

Total Target Concentration 7.2

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

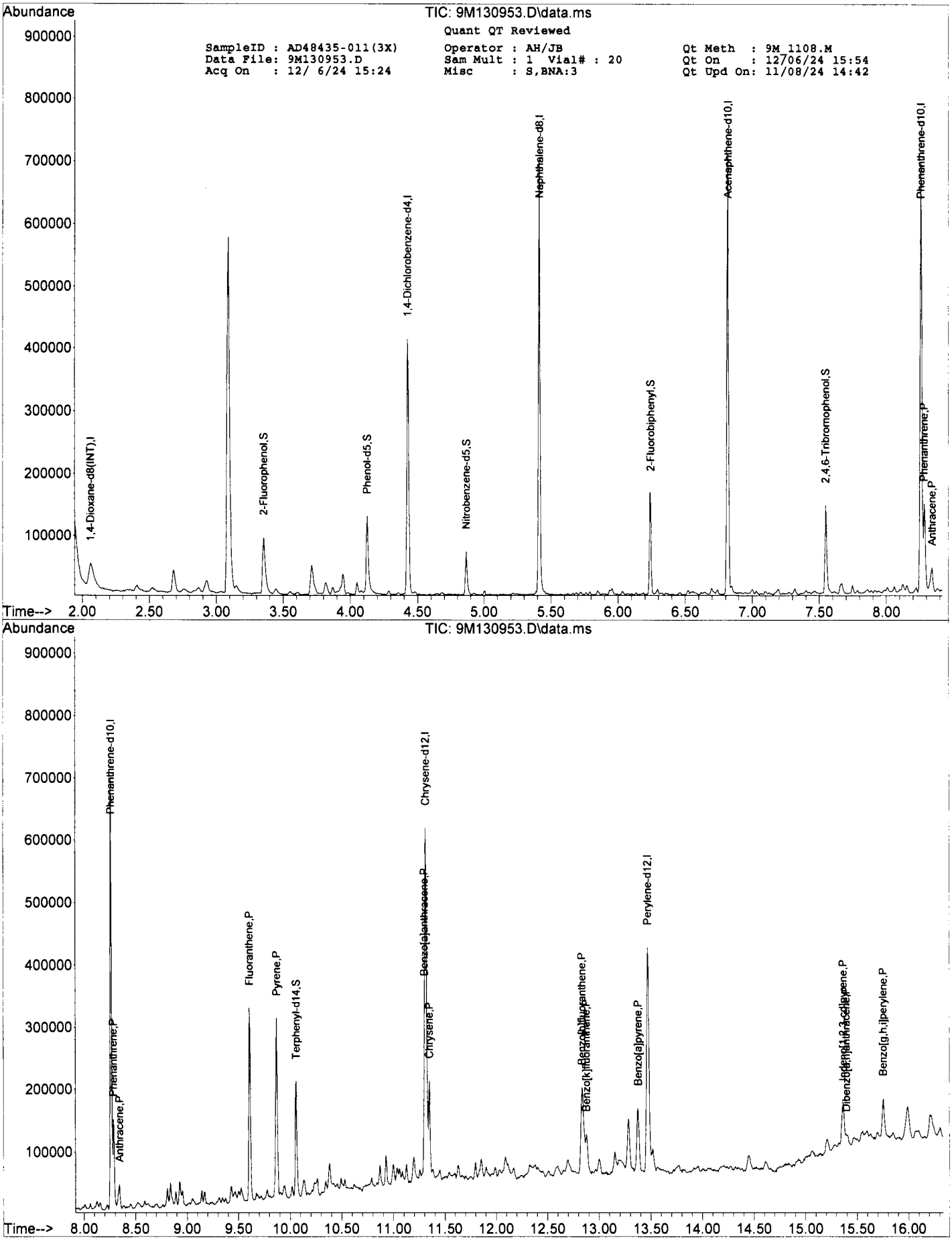
Quantitation Report (QT Reviewed)

SampleID : AD48435-011(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130953.D Sam Mult : 1 Vial# : 20 Qt On : 12/06/24 15:54
Acq On : 12/ 6/24 15:24 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-06-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	39137	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.425	152	70628	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	261853	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	149167	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	260699	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	214030	40.00	ng	-0.05
102) Perylene-d12	13.472	264	212035	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.355	112	40619	19.36	ng	-0.04
Spiked Amount 100.000			Recovery = 19.36%			
16) Phenol-d5	4.125	99	53939	19.58	ng	-0.03
Spiked Amount 100.000			Recovery = 19.58%			
32) Nitrobenzene-d5	4.866	128	11229	10.67	ng	-0.04
Spiked Amount 50.000			Recovery = 21.34%			
55) 2-Fluorobiphenyl	6.243	172	52044	11.16	ng	-0.04
Spiked Amount 50.000			Recovery = 22.32%			
79) 2,4,6-Tribromophenol	7.548	330	17655	26.74	ng	-0.04
Spiked Amount 100.000			Recovery = 26.74%			
93) Terphenyl-d14	10.060	244	59483	13.14	ng	-0.04
Spiked Amount 50.000			Recovery = 26.28%			
Target Compounds						Qvalue
85) Phenanthrene	8.284	178	55117	8.5698	ng	98
86) Anthracene	8.342	178	14969m	2.3152	ng	
89) Fluoranthene	9.607	202	138409	20.0528	ng	92
91) Pyrene	9.872	202	125213	18.6183	ng	87
99) Benzo[a]anthracene	11.301	228	73398m	11.6594	ng	
100) Chrysene	11.348	228	68261m	11.4860	ng	
104) Benzo[b]fluoranthene	12.836	252	91748m	15.0727	ng	
105) Benzo[k]fluoranthene	12.877	252	32451m	5.0294	ng	
106) Benzo[a]pyrene	13.377	252	62074m	10.8324	ng	
107) Indeno[1,2,3-cd]pyrene	15.366	276	45218m	8.7731	ng	
108) Dibenzo[a,h]anthracene	15.395	278	10821m	2.0665	ng	
109) Benzo[g,h,i]perylene	15.754	276	43335m	8.3344	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130953.D\data.ms
Quant QT Reviewed
SampleID : AD48435-011(3X)
Data File: 9M130953.D
Acq On : 12/ 6/24 15:24
Operator : AH/JB
Sam Mult : 1 Vial# : 20
Misc : S,BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/06/24 15:54
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Time-->

Abundance
TIC: 9M130953.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[k]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-012(3X)
Client Id: SB-20-0-2.0'
Data File: 9M130926.D
Analysis Date: 12/06/24 02:06
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.11	U	**50-32-8**	**Benzo[a]pyrene**	**0.11**	**0.40**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.11	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.11**	**0.55**
123-91-1	1,4-Dioxane	0.11	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.11**	**0.33**
58-90-2	2,3,4,6-Tetrachlorophenol	0.11	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.11**	**0.18**
95-95-4	2,4,5-Trichlorophenol	0.11	U	111-91-1	bis(2-Chloroethoxy)methan	0.11	U
88-06-2	2,4,6-Trichlorophenol	0.11	U	111-44-4	bis(2-Chloroethyl)ether	0.043	U
120-83-2	2,4-Dichlorophenol	0.11	U	108-60-1	bis(2-chloroisopropyl)ether	0.11	U
105-67-9	2,4-Dimethylphenol	0.11	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.11	U
51-28-5	2,4-Dinitrophenol	0.56	U	85-68-7	Butylbenzylphthalate	0.11	U
121-14-2	2,4-Dinitrotoluene	0.11	U	105-60-2	Caprolactam	0.11	U
606-20-2	2,6-Dinitrotoluene	0.11	U	86-74-8	Carbazole	0.11	U
91-58-7	2-Chloronaphthalene	0.11	U	**218-01-9**	**Chrysene**	**0.11**	**0.38**
95-57-8	2-Chlorophenol	0.11	U	53-70-3	Dibenzo[a,h]anthracene	0.11	U
91-57-6	2-Methylnaphthalene	0.11	U	132-64-9	Dibenzofuran	0.11	U
95-48-7	2-Methylphenol	0.11	U	84-66-2	Diethylphthalate	0.11	U
88-74-4	2-Nitroaniline	0.11	U	131-11-3	Dimethylphthalate	0.11	U
88-75-5	2-Nitrophenol	0.11	U	84-74-2	Di-n-butylphthalate	0.56	U
106-44-5	3&4-Methylphenol	0.11	U	117-84-0	Di-n-octylphthalate	0.11	U
91-94-1	3,3'-Dichlorobenzidine	0.11	U	**206-44-0**	**Fluoranthene**	**0.11**	**0.58**
99-09-2	3-Nitroaniline	0.11	U	86-73-7	Fluorene	0.11	U
534-52-1	4,6-Dinitro-2-methylphenol	0.56	U	118-74-1	Hexachlorobenzene	0.11	U
101-55-3	4-Bromophenyl-phenylether	0.11	U	87-68-3	Hexachlorobutadiene	0.11	U
59-50-7	4-Chloro-3-methylphenol	0.11	U	77-47-4	Hexachlorocyclopentadiene	0.56	U
106-47-8	4-Chloroaniline	0.11	U	67-72-1	Hexachloroethane	0.11	U
7005-72-3	4-Chlorophenyl-phenylether	0.11	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.11**	**0.32**
100-01-6	4-Nitroaniline	0.11	U	78-59-1	Isophorone	0.11	U
100-02-7	4-Nitrophenol	0.11	U	91-20-3	Naphthalene	0.11	U
83-32-9	Acenaphthene	0.11	U	98-95-3	Nitrobenzene	0.11	U
208-96-8	Acenaphthylene	0.11	U	621-64-7	N-Nitroso-di-n-propylamine	0.11	U
98-86-2	Acetophenone	0.11	U	86-30-6	n-Nitrosodiphenylamine	0.11	U
120-12-7	Anthracene	0.11	U	87-86-5	Pentachlorophenol	0.56	U
1912-24-9	Atrazine	0.11	U	**85-01-8**	**Phenanthrene**	**0.11**	**0.27**
100-52-7	Benzaldehyde	0.11	U	108-95-2	Phenol	0.11	U
56-55-3	**Benzo[a]anthracene**	**0.11**	**0.38**	**129-00-0**	**Pyrene**	**0.11**	**0.56**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

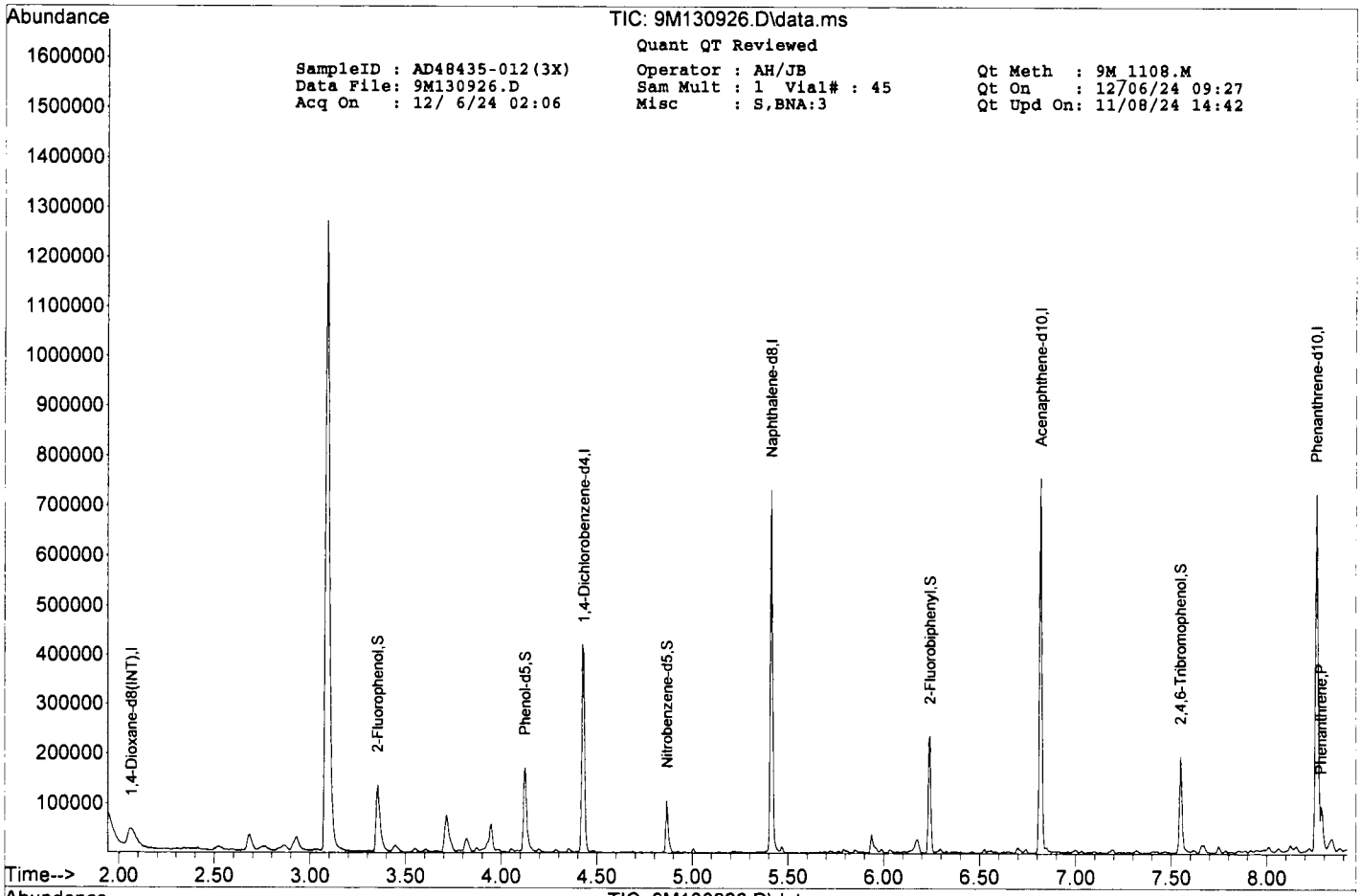
Quantitation Report (QT Reviewed)

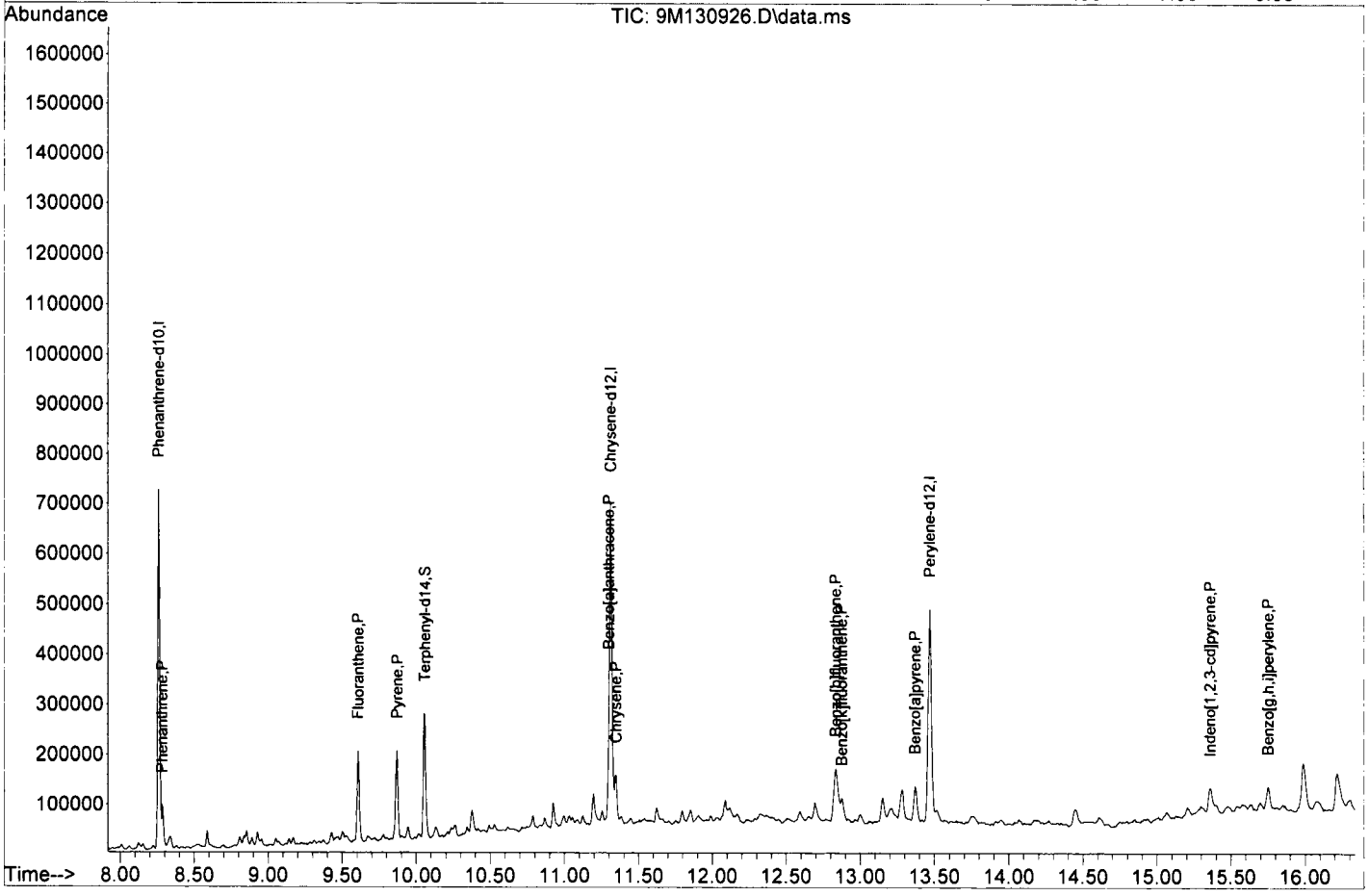
SampleID : AD48435-012(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130926.D Sam Mult : 1 Vial# : 45 Qt On : 12/06/24 09:27
Acq On : 12/ 6/24 02:06 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-0524\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	41772	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	75064	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	279522	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	156134	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	280062	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	243247	40.00	ng	-0.05
102) Perylene-d12	13.471	264	240635	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	58012	25.91	ng	-0.04
Spiked Amount 100.000			Recovery = 25.91%			
16) Phenol-d5	4.125	99	74842	25.45	ng	-0.03
Spiked Amount 100.000			Recovery = 25.45%			
32) Nitrobenzene-d5	4.866	128	15994	14.23	ng	-0.04
Spiked Amount 50.000			Recovery = 28.46%			
55) 2-Fluorobiphenyl	6.242	172	73998	15.15	ng	-0.04
Spiked Amount 50.000			Recovery = 30.30%			
79) 2,4,6-Tribromophenol	7.548	330	23668	33.37	ng	-0.04
Spiked Amount 100.000			Recovery = 33.37%			
93) Terphenyl-d14	10.060	244	85744	16.66	ng	-0.04
Spiked Amount 50.000			Recovery = 33.32%			
Target Compounds						Qvalue
85) Phenanthrene	8.284	178	33591	4.8617	ng	97
89) Fluoranthene	9.607	202	76397	10.3032	ng	91
91) Pyrene	9.872	202	76588	10.0203	ng	86
99) Benzo[a]anthracene	11.301	228	48715m	6.8090	ng	
100) Chrysene	11.348	228	45868m	6.7910	ng	
104) Benzo[b]fluoranthene	12.836	252	67283m	9.7398	ng	
105) Benzo[k]fluoranthene	12.877	252	22960m	3.1355	ng	
106) Benzo[a]pyrene	13.371	252	46236	7.1096	ng	88
107) Indeno[1,2,3-cd]pyrene	15.360	276	33564	5.7381	ng	96
109) Benzo[g,h,i]perylene	15.754	276	34715	5.8830	ng	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130926.D\data.ms
Quant QT Reviewed
SampleID : AD48435-012(3X)
Data File: 9M130926.D
Acq On : 12/ 6/24 02:06
Operator : AH/JB
Sam Mult : 1 Vial# : 45
Misc : S,BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/06/24 09:27
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M130926.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[a]anthracene,P
Perylene-d12,I
Benzo[a]pyrene,P
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-013(3X)
Client Id: SB-05-0-2.0'
Data File: 9M130930.D
Analysis Date: 12/06/24 03:33
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 85

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.12	U	**50-32-8**	**Benzo[a]pyrene**	**0.12**	**0.53**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.12	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.12**	**0.73**
123-91-1	1,4-Dioxane	0.12	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.12**	**0.43**
58-90-2	2,3,4,6-Tetrachlorophenol	0.12	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.12**	**0.24**
95-95-4	2,4,5-Trichlorophenol	0.12	U	111-91-1	bis(2-Chloroethoxy)methan	0.12	U
88-06-2	2,4,6-Trichlorophenol	0.12	U	111-44-4	bis(2-Chloroethyl)ether	0.045	U
120-83-2	2,4-Dichlorophenol	0.12	U	108-60-1	bis(2-chloroisopropyl)ether	0.12	U
105-67-9	2,4-Dimethylphenol	0.12	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.12	U
51-28-5	2,4-Dinitrophenol	0.59	U	85-68-7	Butylbenzylphthalate	0.12	U
121-14-2	2,4-Dinitrotoluene	0.12	U	105-60-2	Caprolactam	0.12	U
606-20-2	2,6-Dinitrotoluene	0.12	U	86-74-8	Carbazole	0.12	U
91-58-7	2-Chloronaphthalene	0.12	U	**218-01-9**	**Chrysene**	**0.12**	**0.55**
95-57-8	2-Chlorophenol	0.12	U	53-70-3	Dibenzo[a,h]anthracene	0.12	U
91-57-6	2-Methylnaphthalene	0.12	U	132-64-9	Dibenzofuran	0.12	U
95-48-7	2-Methylphenol	0.12	U	84-66-2	Diethylphthalate	0.12	U
88-74-4	2-Nitroaniline	0.12	U	131-11-3	Dimethylphthalate	0.12	U
88-75-5	2-Nitrophenol	0.12	U	84-74-2	Di-n-butylphthalate	0.59	U
106-44-5	3&4-Methylphenol	0.12	U	117-84-0	Di-n-octylphthalate	0.12	U
91-94-1	3,3'-Dichlorobenzidine	0.12	U	**206-44-0**	**Fluoranthene**	**0.12**	**0.82**
99-09-2	3-Nitroaniline	0.12	U	86-73-7	Fluorene	0.12	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.12	U
101-55-3	4-Bromophenyl-phenylether	0.12	U	87-68-3	Hexachlorobutadiene	0.12	U
59-50-7	4-Chloro-3-methylphenol	0.12	U	77-47-4	Hexachlorocyclopentadiene	0.59	U
106-47-8	4-Chloroaniline	0.12	U	67-72-1	Hexachloroethane	0.12	U
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.12**	**0.44**
100-01-6	4-Nitroaniline	0.12	U	78-59-1	Isophorone	0.12	U
100-02-7	4-Nitrophenol	0.12	U	91-20-3	Naphthalene	0.12	U
83-32-9	Acenaphthene	0.12	U	98-95-3	Nitrobenzene	0.12	U
208-96-8	Acenaphthylene	0.12	U	621-64-7	N-Nitroso-di-n-propylamine	0.12	U
98-86-2	Acetophenone	0.12	U	86-30-6	n-Nitrosodiphenylamine	0.12	U
120-12-7	Anthracene	0.12	U	87-86-5	Pentachlorophenol	0.59	U
1912-24-9	Atrazine	0.12	U	**85-01-8**	**Phenanthrene**	**0.12**	**0.36**
100-52-7	Benzaldehyde	0.12	U	108-95-2	Phenol	0.12	U
56-55-3	**Benzo[a]anthracene**	**0.12**	**0.53**	**129-00-0**	**Pyrene**	**0.12**	**0.82**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

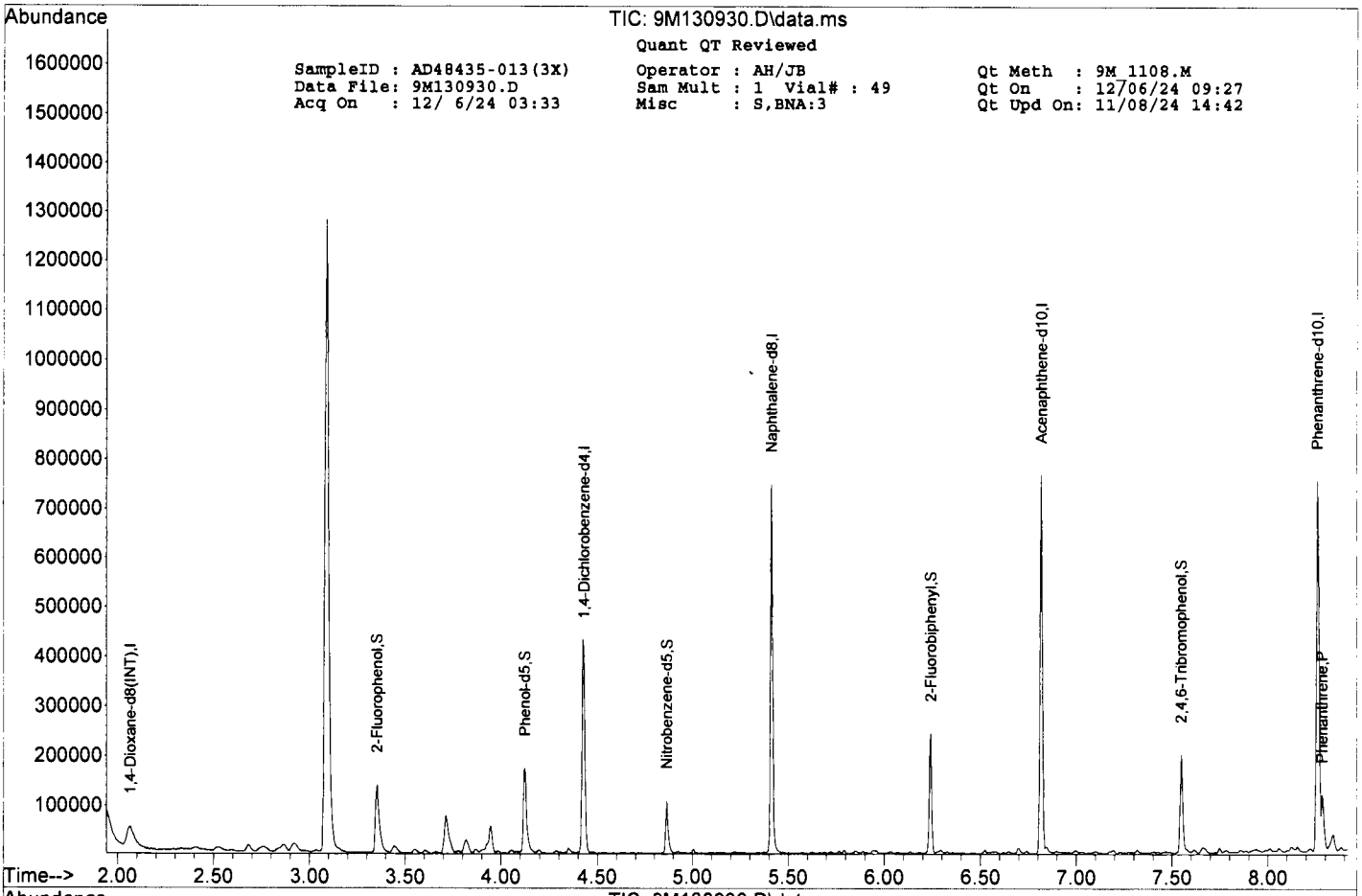
Quantitation Report (QT Reviewed)

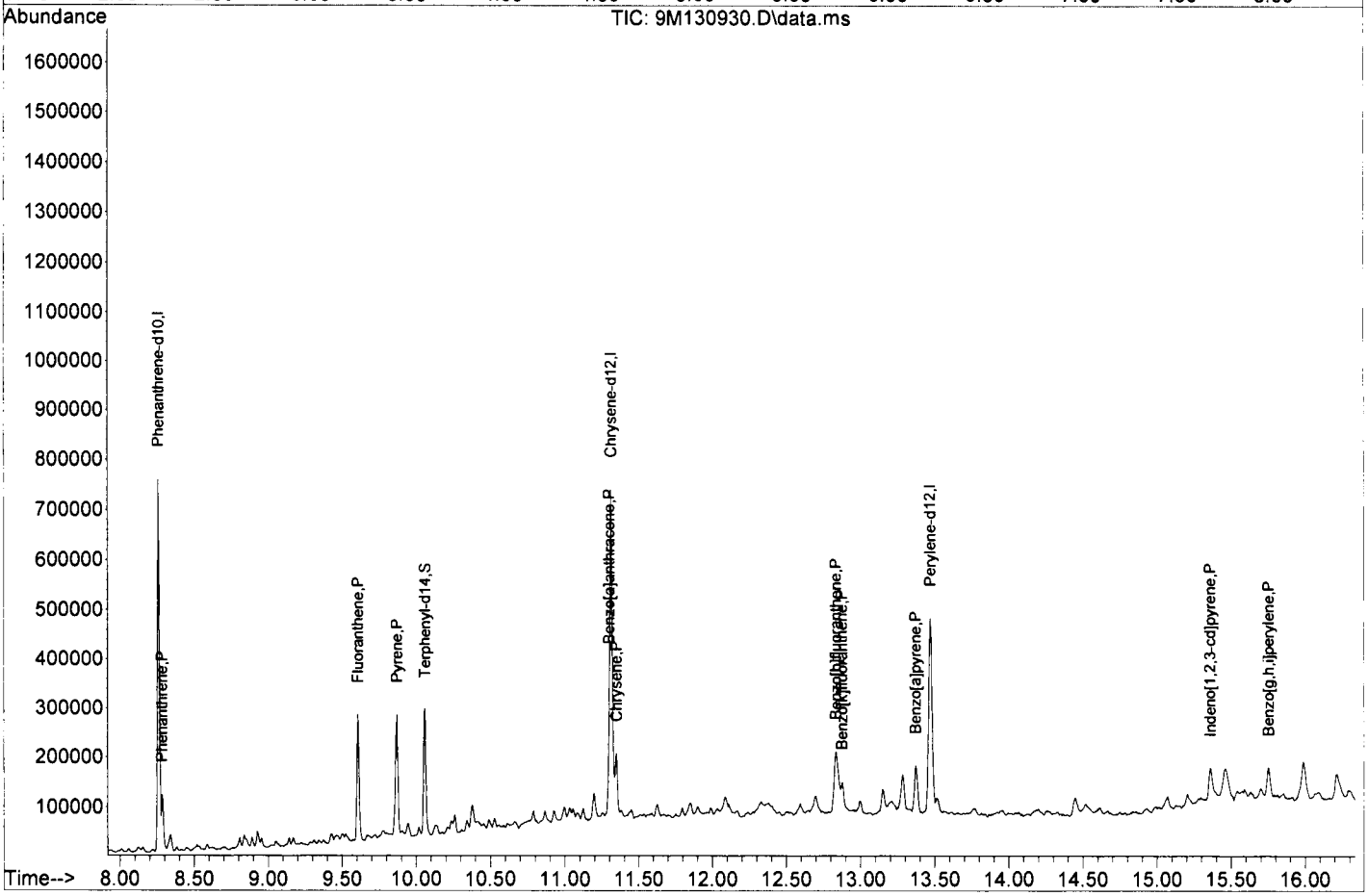
SampleID : AD48435-013(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130930.D Sam Mult : 1 Vial# : 49 Qt On : 12/06/24 09:27
Acq On : 12/ 6/24 03:33 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-0524\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	43114	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	75987	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	283515	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	160577	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	281880	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	239388	40.00	ng	-0.05
102) Perylene-d12	13.472	264	239213	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.355	112	59014	25.54	ng	-0.04
Spiked Amount 100.000			Recovery = 25.54%			
16) Phenol-d5	4.125	99	76716	25.27	ng	-0.03
Spiked Amount 100.000			Recovery = 25.27%			
32) Nitrobenzene-d5	4.866	128	16189	14.20	ng	-0.04
Spiked Amount 50.000			Recovery = 28.40%			
55) 2-Fluorobiphenyl	6.243	172	74553	14.85	ng	-0.04
Spiked Amount 50.000			Recovery = 29.70%			
79) 2,4,6-Tribromophenol	7.548	330	25163	35.25	ng	-0.04
Spiked Amount 100.000			Recovery = 35.25%			
93) Terphenyl-d14	10.060	244	85450	16.87	ng	-0.04
Spiked Amount 50.000			Recovery = 33.74%			
Target Compounds						Qvalue
85) Phenanthrene	8.284	178	43066	6.1929	ng	99
89) Fluoranthene	9.607	202	104452	13.9959	ng	89
91) Pyrene	9.872	202	105482	14.0230	ng	85
99) Benzo[a]anthracene	11.301	228	62956m	8.9413	ng	
100) Chrysene	11.348	228	61622m	9.2706	ng	
104) Benzo[b]fluoranthene	12.836	252	85036m	12.3828	ng	
105) Benzo[k]fluoranthene	12.877	252	29213m	4.0132	ng	
106) Benzo[a]pyrene	13.372	252	58585	9.0620	ng	90
107) Indeno[1,2,3-cd]pyrene	15.360	276	43844	7.5401	ng	96
109) Benzo[g,h,i]perylene	15.754	276	42724	7.2833	ng	71

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130930.D\data.ms
Quant QT Reviewed
SampleID : AD48435-013(3X)
Data File: 9M130930.D
Acq On : 12/ 6/24 03:33
Operator : AH/JB
Sam Mult : 1 Vial# : 49
Misc : S,BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/06/24 09:27
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M130930.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-014(3X)
Client Id: SB-05-0-2.0' DUP
Data File: 9M130931.D
Analysis Date: 12/06/24 03:55
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 85

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.12	U	**50-32-8**	**Benzo[a]pyrene**	**0.12**	**1.5**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.12	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.12**	**2.1**
123-91-1	1,4-Dioxane	0.12	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.12**	**1.1**
58-90-2	2,3,4,6-Tetrachlorophenol	0.12	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.12**	**0.72**
95-95-4	2,4,5-Trichlorophenol	0.12	U	111-91-1	bis(2-Chloroethoxy)methan	0.12	U
88-06-2	2,4,6-Trichlorophenol	0.12	U	111-44-4	bis(2-Chloroethyl)ether	0.045	U
120-83-2	2,4-Dichlorophenol	0.12	U	108-60-1	bis(2-chloroisopropyl)ether	0.12	U
105-67-9	2,4-Dimethylphenol	0.12	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.12	U
51-28-5	2,4-Dinitrophenol	0.59	U	85-68-7	Butylbenzylphthalate	0.12	U
121-14-2	2,4-Dinitrotoluene	0.12	U	105-60-2	Caprolactam	0.12	U
606-20-2	2,6-Dinitrotoluene	0.12	U	**86-74-8**	**Carbazole**	**0.12**	**0.12**
91-58-7	2-Chloronaphthalene	0.12	U	**218-01-9**	**Chrysene**	**0.12**	**1.9**
95-57-8	2-Chlorophenol	0.12	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.12**	**0.28**
91-57-6	2-Methylnaphthalene	0.12	U	132-64-9	Dibenzofuran	0.12	U
95-48-7	2-Methylphenol	0.12	U	84-66-2	Diethylphthalate	0.12	U
88-74-4	2-Nitroaniline	0.12	U	131-11-3	Dimethylphthalate	0.12	U
88-75-5	2-Nitrophenol	0.12	U	84-74-2	Di-n-butylphthalate	0.59	U
106-44-5	3&4-Methylphenol	0.12	U	117-84-0	Di-n-octylphthalate	0.12	U
91-94-1	3,3'-Dichlorobenzidine	0.12	U	**206-44-0**	**Fluoranthene**	**0.12**	**3.5**
99-09-2	3-Nitroaniline	0.12	U	86-73-7	Fluorene	0.12	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.12	U
101-55-3	4-Bromophenyl-phenylether	0.12	U	87-68-3	Hexachlorobutadiene	0.12	U
59-50-7	4-Chloro-3-methylphenol	0.12	U	77-47-4	Hexachlorocyclopentadiene	0.59	U
106-47-8	4-Chloroaniline	0.12	U	67-72-1	Hexachloroethane	0.12	U
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.12**	**1.2**
100-01-6	4-Nitroaniline	0.12	U	78-59-1	Isophorone	0.12	U
100-02-7	4-Nitrophenol	0.12	U	91-20-3	Naphthalene	0.12	U
83-32-9	Acenaphthene	0.12	U	98-95-3	Nitrobenzene	0.12	U
208-96-8	Acenaphthylene	0.12	U	621-64-7	N-Nitroso-di-n-propylamine	0.12	U
98-86-2	Acetophenone	0.12	U	86-30-6	n-Nitrosodiphenylamine	0.12	U
120-12-7	**Anthracene**	**0.12**	**0.41**	87-86-5	Pentachlorophenol	0.59	U
1912-24-9	Atrazine	0.12	U	**85-01-8**	**Phenanthrene**	**0.12**	**2.3**
100-52-7	Benzaldehyde	0.12	U	108-95-2	Phenol	0.12	U
56-55-3	**Benzo[a]anthracene**	**0.12**	**1.8**	**129-00-0**	**Pyrene**	**0.12**	**3.2**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

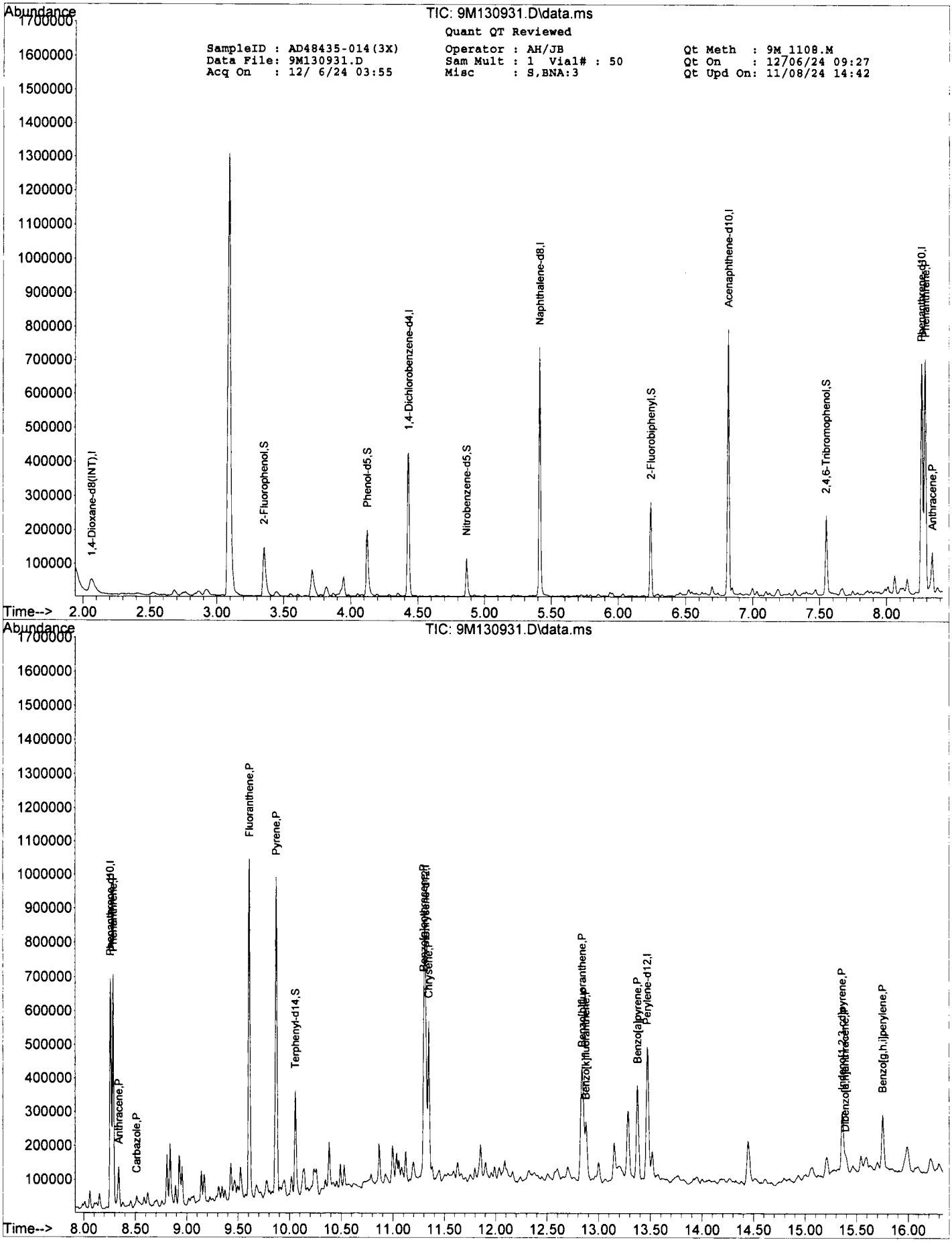
Quantitation Report (QT Reviewed)

SampleID : AD48435-014(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130931.D Sam Mult : 1 Vial# : 50 Qt On : 12/06/24 09:27
Acq On : 12/ 6/24 03:55 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-0524\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	43102	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	77002	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	284630	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	161102	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	282100	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	239820	40.00	ng	-0.04
102) Perylene-d12	13.471	264	239972	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	65214	28.23	ng	-0.04
Spiked Amount 100.000			Recovery = 28.23%			
16) Phenol-d5	4.125	99	83617	27.55	ng	-0.03
Spiked Amount 100.000			Recovery = 27.55%			
32) Nitrobenzene-d5	4.866	128	17678	15.45	ng	-0.04
Spiked Amount 50.000			Recovery = 30.90%			
55) 2-Fluorobiphenyl	6.242	172	82917	16.46	ng	-0.04
Spiked Amount 50.000			Recovery = 32.92%			
79) 2,4,6-Tribromophenol	7.548	330	27480	38.47	ng	-0.04
Spiked Amount 100.000			Recovery = 38.47%			
93) Terphenyl-d14	10.060	244	94620	18.65	ng	-0.04
Spiked Amount 50.000			Recovery = 37.30%			
Target Compounds						Qvalue
85) Phenanthrene	8.289	178	275057	39.5224	ng	99
86) Anthracene	8.342	178	49199	7.0321	ng	98
87) Carbazole	8.513	167	13406m	2.1064	ng	
89) Fluoranthene	9.613	202	446493	59.7807	ng	87
91) Pyrene	9.872	202	412358	54.7211	ng	89
99) Benzo[a]anthracene	11.301	228	221486	31.3998	ng	96
100) Chrysene	11.348	228	214797	32.2563	ng	98
104) Benzo[b]fluoranthene	12.842	252	244963m	35.5584	ng	
105) Benzo[k]fluoranthene	12.877	252	89626m	12.2735	ng	
106) Benzo[a]pyrene	13.377	252	170299	26.2587	ng	92
107) Indeno[1,2,3-cd]pyrene	15.359	276	115772m	19.8469	ng	
108) Dibenzo[a,h]anthracene	15.389	278	28289m	4.7735	ng	
109) Benzo[g,h,i]perylene	15.754	276	107157m	18.2097	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


TIC: 9M130931.D\data.ms
Quant QT Reviewed
SampleID : AD48435-014(3X)
Data File: 9M130931.D
Acq On : 12/ 6/24 03:55
Operator : AH/JB
Sam Mult : 1 Vial# : 50
Misc : S,BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/06/24 09:27
Qt Upd On: 11/08/24 14:42
Abundance
Time-->
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Anthracene,P
TIC: 9M130931.D\data.ms
Abundance
Time-->
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Anthracene,P
Carbazole,P
Benzo(a)pyrene,P
Perylene-d12,I
Benzo(g,h,i)perylene,P

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-015(3X)
Client Id: SB-07-0-2.0'
Data File: 9M130925.D
Analysis Date: 12/06/24 01:45
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.11	U	**50-32-8**	**Benzo[a]pyrene**	**0.11**	**0.47**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.11	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.11**	**0.63**
123-91-1	1,4-Dioxane	0.11	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.11**	**0.36**
58-90-2	2,3,4,6-Tetrachlorophenol	0.11	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.11**	**0.20**
95-95-4	2,4,5-Trichlorophenol	0.11	U	111-91-1	bis(2-Chloroethoxy)methan	0.11	U
88-06-2	2,4,6-Trichlorophenol	0.11	U	111-44-4	bis(2-Chloroethyl)ether	0.043	U
120-83-2	2,4-Dichlorophenol	0.11	U	108-60-1	bis(2-chloroisopropyl)ether	0.11	U
105-67-9	2,4-Dimethylphenol	0.11	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.11	U
51-28-5	2,4-Dinitrophenol	0.57	U	85-68-7	Butylbenzylphthalate	0.11	U
121-14-2	2,4-Dinitrotoluene	0.11	U	105-60-2	Caprolactam	0.11	U
606-20-2	2,6-Dinitrotoluene	0.11	U	86-74-8	Carbazole	0.11	U
91-58-7	2-Chloronaphthalene	0.11	U	**218-01-9**	**Chrysene**	**0.11**	**0.46**
95-57-8	2-Chlorophenol	0.11	U	53-70-3	Dibenzo[a,h]anthracene	0.11	U
91-57-6	**2-Methylnaphthalene**	**0.11**	**0.12**	132-64-9	Dibenzofuran	0.11	U
95-48-7	2-Methylphenol	0.11	U	84-66-2	Diethylphthalate	0.11	U
88-74-4	2-Nitroaniline	0.11	U	131-11-3	Dimethylphthalate	0.11	U
88-75-5	2-Nitrophenol	0.11	U	84-74-2	Di-n-butylphthalate	0.57	U
106-44-5	3&4-Methylphenol	0.11	U	117-84-0	Di-n-octylphthalate	0.11	U
91-94-1	3,3'-Dichlorobenzidine	0.11	U	**206-44-0**	**Fluoranthene**	**0.11**	**0.67**
99-09-2	3-Nitroaniline	0.11	U	86-73-7	Fluorene	0.11	U
534-52-1	4,6-Dinitro-2-methylphenol	0.57	U	118-74-1	Hexachlorobenzene	0.11	U
101-55-3	4-Bromophenyl-phenylether	0.11	U	87-68-3	Hexachlorobutadiene	0.11	U
59-50-7	4-Chloro-3-methylphenol	0.11	U	77-47-4	Hexachlorocyclopentadiene	0.57	U
106-47-8	4-Chloroaniline	0.11	U	67-72-1	Hexachloroethane	0.11	U
7005-72-3	4-Chlorophenyl-phenylether	0.11	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.11**	**0.37**
100-01-6	4-Nitroaniline	0.11	U	78-59-1	Isophorone	0.11	U
100-02-7	4-Nitrophenol	0.11	U	91-20-3	Naphthalene	0.11	U
83-32-9	Acenaphthene	0.11	U	98-95-3	Nitrobenzene	0.11	U
208-96-8	Acenaphthylene	0.11	U	621-64-7	N-Nitroso-di-n-propylamine	0.11	U
98-86-2	Acetophenone	0.11	U	86-30-6	n-Nitrosodiphenylamine	0.11	U
120-12-7	Anthracene	0.11	U	87-86-5	Pentachlorophenol	0.57	U
1912-24-9	Atrazine	0.11	U	**85-01-8**	**Phenanthrene**	**0.11**	**0.37**
100-52-7	Benzaldehyde	0.11	U	108-95-2	Phenol	0.11	U
56-55-3	**Benzo[a]anthracene**	**0.11**	**0.44**	**129-00-0**	**Pyrene**	**0.11**	**0.63**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

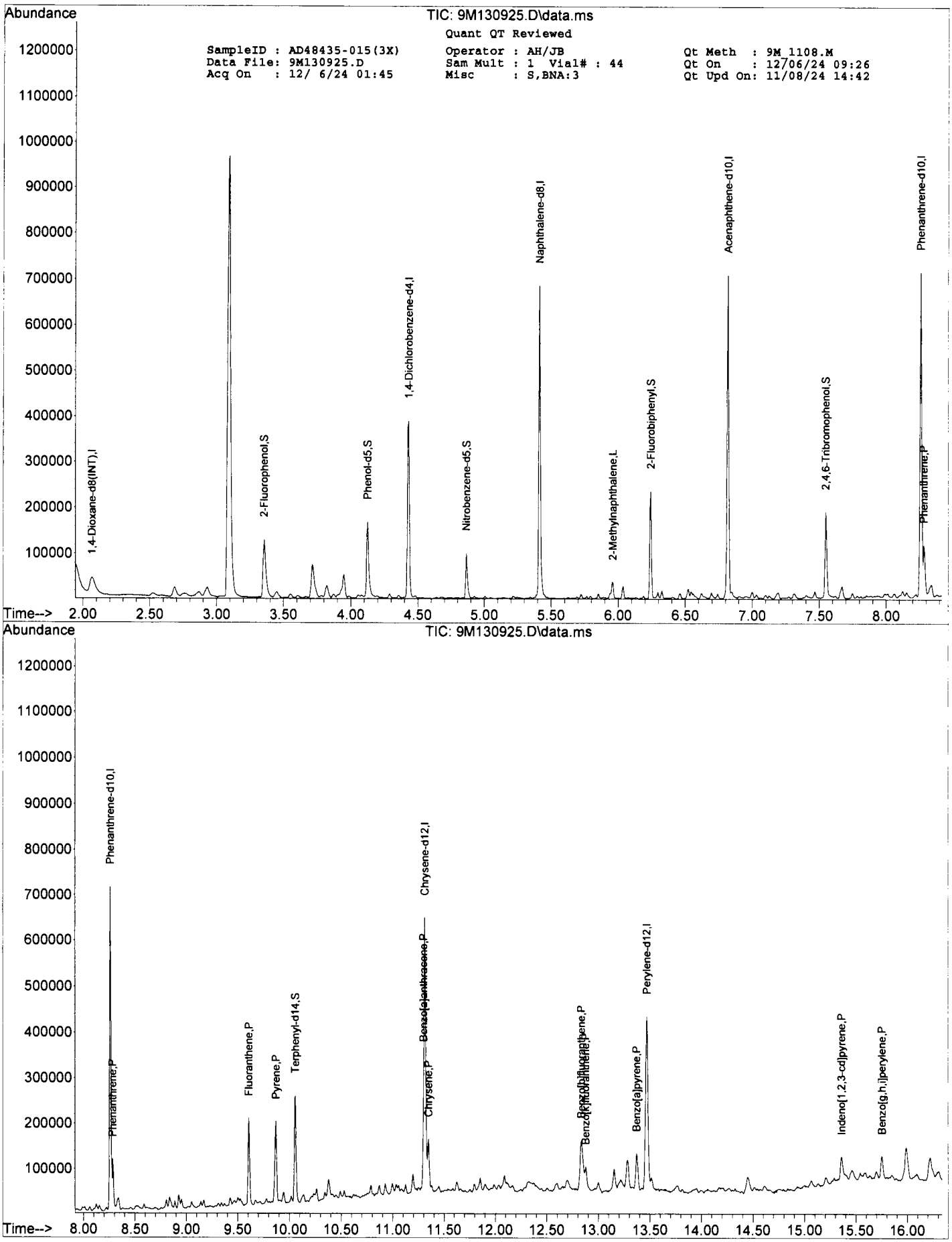
Quantitation Report (QT Reviewed)

SampleID : AD48435-015(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130925.D Sam Mult : 1 Vial# : 44 Qt On : 12/06/24 09:26
Acq On : 12/ 6/24 01:45 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-0524\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	38864	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	70760	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	258502	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	146923	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	264548	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	230614	40.00	ng	-0.05
102) Perylene-d12	13.471	264	225534	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	56157	26.96	ng	-0.04
Spiked Amount 100.000			Recovery = 26.96%			
16) Phenol-d5	4.125	99	72162	26.37	ng	-0.03
Spiked Amount 100.000			Recovery = 26.37%			
32) Nitrobenzene-d5	4.866	128	14948	14.39	ng	-0.04
Spiked Amount 50.000			Recovery = 28.78%			
55) 2-Fluorobiphenyl	6.242	172	69539	15.13	ng	-0.04
Spiked Amount 50.000			Recovery = 30.26%			
79) 2,4,6-Tribromophenol	7.548	330	23309	34.79	ng	-0.04
Spiked Amount 100.000			Recovery = 34.79%			
93) Terphenyl-d14	10.060	244	80614	16.52	ng	-0.04
Spiked Amount 50.000			Recovery = 33.04%			
Target Compounds						Qvalue
46) 2-Methylnaphthalene	5.960	142	9321m	2.1800	ng	
85) Phenanthrene	8.283	178	42589m	6.5255	ng	
89) Fluoranthene	9.607	202	81986	11.7053	ng	93
91) Pyrene	9.871	202	80007	11.0410	ng	86
99) Benzo[a]anthracene	11.301	228	52251m	7.7033	ng	
100) Chrysene	11.348	228	52009m	8.1220	ng	
104) Benzo[b]fluoranthene	12.836	252	71607m	11.0598	ng	
105) Benzo[k]fluoranthene	12.877	252	24231m	3.5306	ng	
106) Benzo[a]pyrene	13.371	252	50597	8.3011	ng	90
107) Indeno[1,2,3-cd]pyrene	15.359	276	35478m	6.4714	ng	
109) Benzo[g,h,i]perylene	15.753	276	35077m	6.3424	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130925.D\data.ms
Quant QT Reviewed
SampleID : AD48435-015(3X)
Data File: 9M130925.D
Acq On : 12/ 6/24 01:45
Operator : AH/JB
Sam Mult : 1 Vial# : 44
Misc : S,BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/06/24 09:26
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Methylnaphthalene,L
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->

Abundance
TIC: 9M130925.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo(k)fluoranthene,P
Perylene-d12,I
Benzo[a]pyrene,P
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-016(5X)
Client Id: SB-23-0-2.0'
Data File: 9M130954.D
Analysis Date: 12/06/24 15:46
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 5
Solids: 85

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.20	U	**50-32-8**	**Benzo[a]pyrene**	**0.20**	**1.5**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.20	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.20**	**2.0**
123-91-1	1,4-Dioxane	0.20	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.20**	**0.95**
58-90-2	2,3,4,6-Tetrachlorophenol	0.20	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.20**	**0.69**
95-95-4	2,4,5-Trichlorophenol	0.20	U	111-91-1	bis(2-Chloroethoxy)methan	0.20	U
88-06-2	2,4,6-Trichlorophenol	0.20	U	111-44-4	bis(2-Chloroethyl)ether	0.075	U
120-83-2	2,4-Dichlorophenol	0.20	U	108-60-1	bis(2-chloroisopropyl)ether	0.20	U
105-67-9	2,4-Dimethylphenol	0.20	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.20	U
51-28-5	2,4-Dinitrophenol	0.98	U	85-68-7	Butylbenzylphthalate	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U	105-60-2	Caprolactam	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U	86-74-8	Carbazole	0.20	U
91-58-7	2-Chloronaphthalene	0.20	U	**218-01-9**	**Chrysene**	**0.20**	**1.6**
95-57-8	2-Chlorophenol	0.20	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.20**	**0.27**
91-57-6	2-Methylnaphthalene	0.20	U	132-64-9	Dibenzofuran	0.20	U
95-48-7	2-Methylphenol	0.20	U	84-66-2	Diethylphthalate	0.20	U
88-74-4	2-Nitroaniline	0.20	U	131-11-3	Dimethylphthalate	0.20	U
88-75-5	2-Nitrophenol	0.20	U	84-74-2	Di-n-butylphthalate	0.98	U
106-44-5	3&4-Methylphenol	0.20	U	117-84-0	Di-n-octylphthalate	0.20	U
91-94-1	3,3'-Dichlorobenzidine	0.20	U	**206-44-0**	**Fluoranthene**	**0.20**	**2.5**
99-09-2	3-Nitroaniline	0.20	U	86-73-7	Fluorene	0.20	U
534-52-1	4,6-Dinitro-2-methylphenol	0.98	U	118-74-1	Hexachlorobenzene	0.20	U
101-55-3	4-Bromophenyl-phenylether	0.20	U	87-68-3	Hexachlorobutadiene	0.20	U
59-50-7	4-Chloro-3-methylphenol	0.20	U	77-47-4	Hexachlorocyclopentadiene	0.98	U
106-47-8	4-Chloroaniline	0.20	U	67-72-1	Hexachloroethane	0.20	U
7005-72-3	4-Chlorophenyl-phenylether	0.20	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.20**	**1.1**
100-01-6	4-Nitroaniline	0.20	U	78-59-1	Isophorone	0.20	U
100-02-7	4-Nitrophenol	0.20	U	91-20-3	Naphthalene	0.20	U
83-32-9	**Acenaphthene**	**0.20**	**0.25**	98-95-3	Nitrobenzene	0.20	U
208-96-8	Acenaphthylene	0.20	U	621-64-7	N-Nitroso-di-n-propylamine	0.20	U
98-86-2	Acetophenone	0.20	U	86-30-6	n-Nitrosodiphenylamine	0.20	U
120-12-7	**Anthracene**	**0.20**	**0.36**	87-86-5	Pentachlorophenol	0.98	U
1912-24-9	Atrazine	0.20	U	**85-01-8**	**Phenanthrene**	**0.20**	**1.2**
100-52-7	Benzaldehyde	0.20	U	108-95-2	Phenol	0.20	U
56-55-3	**Benzo[a]anthracene**	**0.20**	**1.6**	**129-00-0**	**Pyrene**	**0.20**	**2.3**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

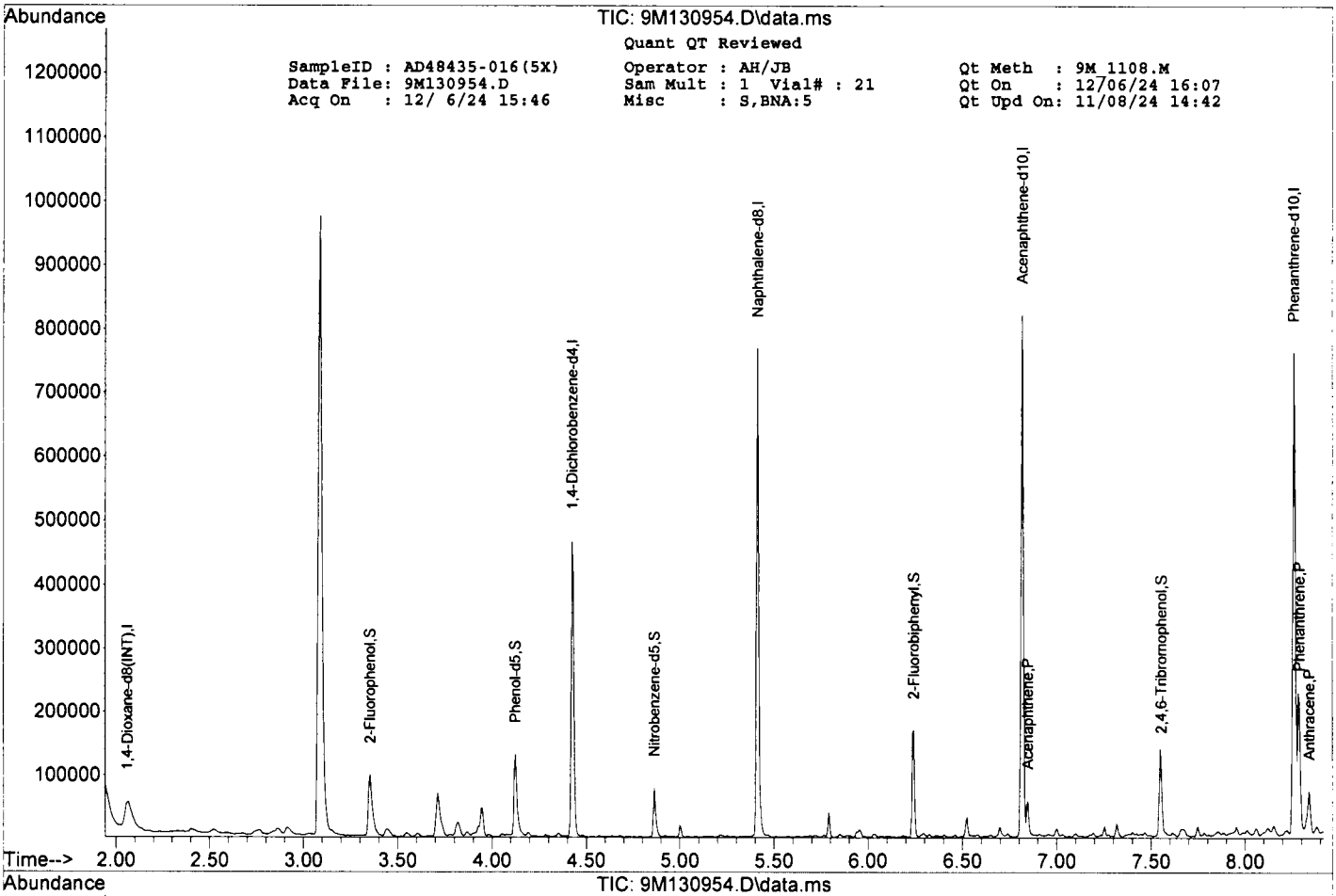
Quantitation Report (QT Reviewed)

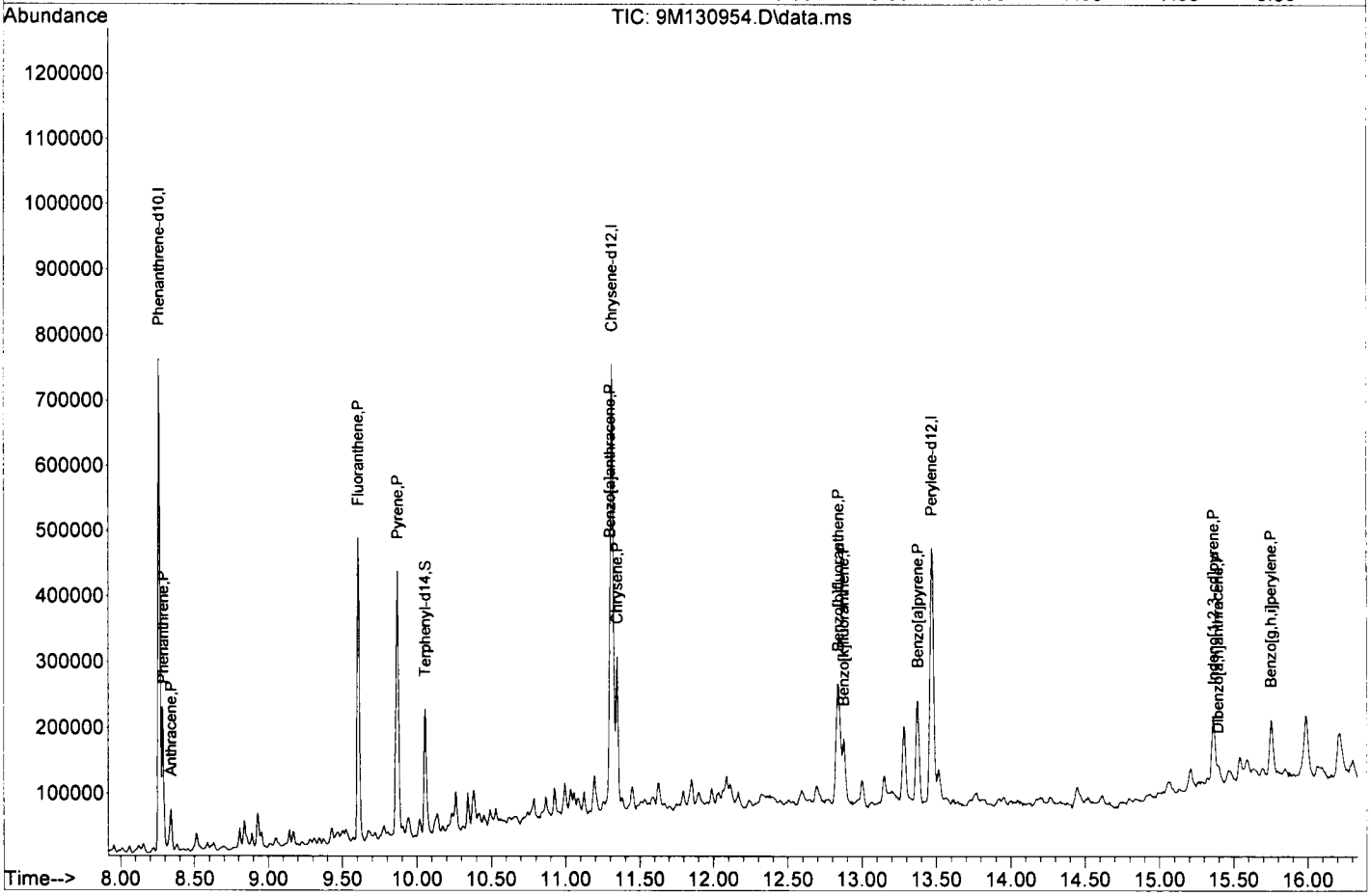
SampleID : AD48435-016(5X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130954.D Sam Mult : 1 Vial# : 21 Qt On : 12/06/24 16:07
Acq On : 12/ 6/24 15:46 Misc : S,BNA:5 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-06-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	45409	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.425	152	79269	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	293577	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	168851	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	292451	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	239694	40.00	ng	-0.05
102) Perylene-d12	13.471	264	240768	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	42730	17.56	ng	-0.04
Spiked Amount 100.000			Recovery = 17.56%			
16) Phenol-d5	4.125	99	54645	17.09	ng	-0.03
Spiked Amount 100.000			Recovery = 17.09%			
32) Nitrobenzene-d5	4.866	128	11798	10.00	ng	-0.04
Spiked Amount 50.000			Recovery = 20.00%			
55) 2-Fluorobiphenyl	6.242	172	52808	10.00	ng	-0.04
Spiked Amount 50.000			Recovery = 20.00%			
79) 2,4,6-Tribromophenol	7.554	330	16743	22.61	ng	-0.04
Spiked Amount 100.000			Recovery = 22.61%			
93) Terphenyl-d14	10.060	244	59442	11.72	ng	-0.04
Spiked Amount 50.000			Recovery = 23.44%			
Target Compounds						Qvalue
64) Acenaphthene	6.848	153	11812m	2.5027	ng	
85) Phenanthrene	8.289	178	88217	12.2271	ng	99
86) Anthracene	8.342	178	26815m	3.6970	ng	
89) Fluoranthene	9.607	202	200243	25.8615	ng	93
91) Pyrene	9.872	202	178370	23.6827	ng	87
99) Benzo[a]anthracene	11.301	228	114323m	16.2159	ng	
100) Chrysene	11.348	228	106406m	15.9875	ng	
104) Benzo[b]fluoranthene	12.842	252	139258m	20.1476	ng	
105) Benzo[k]fluoranthene	12.877	252	51754m	7.0638	ng	
106) Benzo[a]pyrene	13.377	252	98670	15.1638	ng	92
107) Indeno[1,2,3-cd]pyrene	15.365	276	65415m	11.1771	ng	
108) Dibenzo[a,h]anthracene	15.395	278	16206m	2.7255	ng	
109) Benzo[g,h,i]perylene	15.753	276	57019m	9.6575	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130954.D\data.ms
Quant QT Reviewed
SampleID : AD48435-016(5X)
Data File: 9M130954.D
Acq On : 12/ 6/24 15:46
Operator : AH/JB
Sam Mult : 1 Vial# : 21
Misc : S,BNA:5
Qt Meth : 9M_1108.M
Qt On : 12/06/24 16:07
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Acenaphthene,P
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Time-->


Abundance
TIC: 9M130954.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[b]fluoranthene,P
Benzo[k]fluoranthene,P
Perylene-d12,I
Benzo[a]pyrene,P
Indeno[1,2,3-cd]pyrene,P
Dibenz[a,h]anthracene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-017(3X)
Client Id: SB-24-0-2.0'
Data File: 9M130929.D
Analysis Date: 12/06/24 03:12
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.11	U	**50-32-8**	**Benzo[a]pyrene**	**0.11**	**0.77**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.11	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.11**	**1.1**
123-91-1	1,4-Dioxane	0.11	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.11**	**0.60**
58-90-2	2,3,4,6-Tetrachlorophenol	0.11	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.11**	**0.33**
95-95-4	2,4,5-Trichlorophenol	0.11	U	111-91-1	bis(2-Chloroethoxy)methan	0.11	U
88-06-2	2,4,6-Trichlorophenol	0.11	U	111-44-4	bis(2-Chloroethyl)ether	0.043	U
120-83-2	2,4-Dichlorophenol	0.11	U	108-60-1	bis(2-chloroisopropyl)ether	0.11	U
105-67-9	2,4-Dimethylphenol	0.11	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.11	U
51-28-5	2,4-Dinitrophenol	0.57	U	85-68-7	Butylbenzylphthalate	0.11	U
121-14-2	2,4-Dinitrotoluene	0.11	U	105-60-2	Caprolactam	0.11	U
606-20-2	2,6-Dinitrotoluene	0.11	U	86-74-8	Carbazole	0.11	U
91-58-7	2-Chloronaphthalene	0.11	U	**218-01-9**	**Chrysene**	**0.11**	**0.76**
95-57-8	2-Chlorophenol	0.11	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.11**	**0.15**
91-57-6	2-Methylnaphthalene	0.11	U	132-64-9	Dibenzofuran	0.11	U
95-48-7	2-Methylphenol	0.11	U	84-66-2	Diethylphthalate	0.11	U
88-74-4	2-Nitroaniline	0.11	U	131-11-3	Dimethylphthalate	0.11	U
88-75-5	2-Nitrophenol	0.11	U	84-74-2	Di-n-butylphthalate	0.57	U
106-44-5	3&4-Methylphenol	0.11	U	117-84-0	Di-n-octylphthalate	0.11	U
91-94-1	3,3'-Dichlorobenzidine	0.11	U	**206-44-0**	**Fluoranthene**	**0.11**	**1.2**
99-09-2	3-Nitroaniline	0.11	U	86-73-7	Fluorene	0.11	U
534-52-1	4,6-Dinitro-2-methylphenol	0.57	U	118-74-1	Hexachlorobenzene	0.11	U
101-55-3	4-Bromophenyl-phenylether	0.11	U	87-68-3	Hexachlorobutadiene	0.11	U
59-50-7	4-Chloro-3-methylphenol	0.11	U	77-47-4	Hexachlorocyclopentadiene	0.57	U
106-47-8	4-Chloroaniline	0.11	U	67-72-1	Hexachloroethane	0.11	U
7005-72-3	4-Chlorophenyl-phenylether	0.11	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.11**	**0.62**
100-01-6	4-Nitroaniline	0.11	U	78-59-1	Isophorone	0.11	U
100-02-7	4-Nitrophenol	0.11	U	91-20-3	Naphthalene	0.11	U
83-32-9	Acenaphthene	0.11	U	98-95-3	Nitrobenzene	0.11	U
208-96-8	Acenaphthylene	0.11	U	621-64-7	N-Nitroso-di-n-propylamine	0.11	U
98-86-2	Acetophenone	0.11	U	86-30-6	n-Nitrosodiphenylamine	0.11	U
120-12-7	**Anthracene**	**0.11**	**0.14**	87-86-5	Pentachlorophenol	0.57	U
1912-24-9	Atrazine	0.11	U	**85-01-8**	**Phenanthrene**	**0.11**	**0.57**
100-52-7	Benzaldehyde	0.11	U	108-95-2	Phenol	0.11	U
56-55-3	**Benzo[a]anthracene**	**0.11**	**0.74**	**129-00-0**	**Pyrene**	**0.11**	**1.2**

Worksheet #: 764414

Total Target Concentration 8.2

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

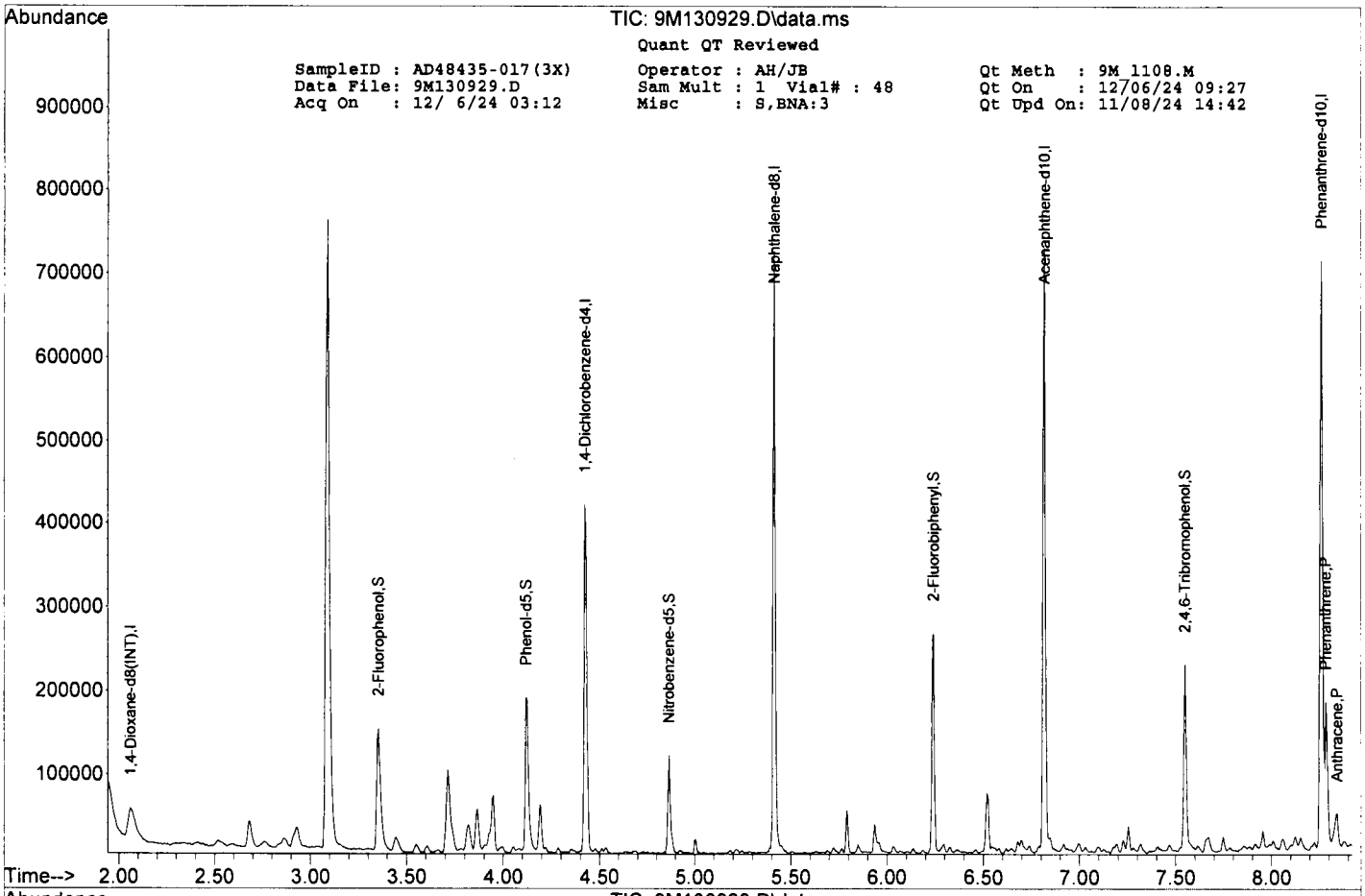
Quantitation Report (QT Reviewed)

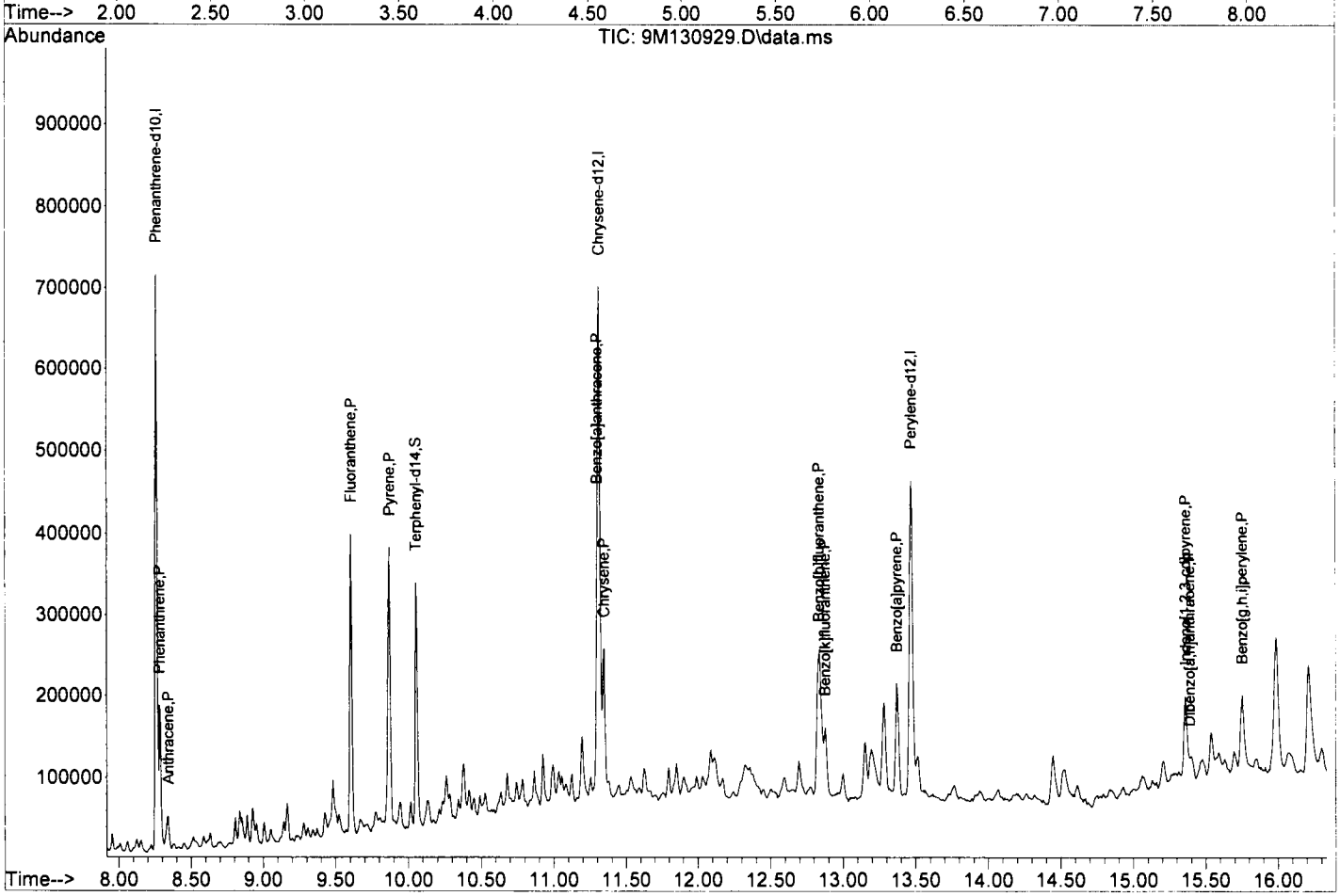
SampleID : AD48435-017(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130929.D Sam Mult : 1 Vial# : 48 Qt On : 12/06/24 09:27
Acq On : 12/ 6/24 03:12 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-0524\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	40200	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.425	152	73352	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	269183	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	155122	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	270364	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	232676	40.00	ng	-0.05
102) Perylene-d12	13.472	264	229472	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.355	112	64834	30.09	ng	-0.04
Spiked Amount 100.000			Recovery = 30.09%			
16) Phenol-d5	4.119	99	84891	29.99	ng	-0.04
Spiked Amount 100.000			Recovery = 29.99%			
32) Nitrobenzene-d5	4.866	128	17657	16.32	ng	-0.04
Spiked Amount 50.000			Recovery = 32.64%			
55) 2-Fluorobiphenyl	6.243	172	82597	17.03	ng	-0.04
Spiked Amount 50.000			Recovery = 34.06%			
79) 2,4,6-Tribromophenol	7.548	330	27592	40.30	ng	-0.04
Spiked Amount 100.000			Recovery = 40.30%			
93) Terphenyl-d14	10.054	244	95743	19.45	ng	-0.05
Spiked Amount 50.000			Recovery = 38.90%			
Target Compounds						Qvalue
85) Phenanthrene	8.284	178	67453	10.1129	ng	98
86) Anthracene	8.342	178	16768m	2.5007	ng	
89) Fluoranthene	9.607	202	155162	21.6763	ng	91
91) Pyrene	9.872	202	149246	20.4135	ng	84
99) Benzo[a]anthracene	11.301	228	89479m	13.0748	ng	
100) Chrysene	11.348	228	85870m	13.2911	ng	
104) Benzo[b]fluoranthene	12.836	252	122225m	18.5538	ng	
105) Benzo[k]fluoranthene	12.877	252	40508m	5.8010	ng	
106) Benzo[a]pyrene	13.372	252	83521	13.4675	ng	92
107) Indeno[1,2,3-cd]pyrene	15.360	276	61210	10.9734	ng	96
108) Dibenzo[a,h]anthracene	15.389	278	15075m	2.6601	ng	
109) Benzo[g,h,i]perylene	15.754	276	59885m	10.6422	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130929.D\data.ms
Quant QT Reviewed
SampleID : AD48435-017(3X)
Data File: 9M130929.D
Acq On : 12/ 6/24 03:12
Operator : AH/JB
Sam Mult : 1 Vial# : 48
Misc : S,BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/06/24 09:27
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Time-->


Abundance
TIC: 9M130929.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[k]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-018(3X)
Client Id: SB-25-0-2.0'
Data File: 9M130924.D
Analysis Date: 12/06/24 01:23
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.12	U	**50-32-8**	**Benzo[a]pyrene**	**0.12**	**0.53**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.12	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.12**	**0.72**
123-91-1	1,4-Dioxane	0.12	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.12**	**0.42**
58-90-2	2,3,4,6-Tetrachlorophenol	0.12	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.12**	**0.23**
95-95-4	2,4,5-Trichlorophenol	0.12	U	111-91-1	bis(2-Chloroethoxy)methan	0.12	U
88-06-2	2,4,6-Trichlorophenol	0.12	U	111-44-4	bis(2-Chloroethyl)ether	0.044	U
120-83-2	2,4-Dichlorophenol	0.12	U	108-60-1	bis(2-chloroisopropyl)ether	0.12	U
105-67-9	2,4-Dimethylphenol	0.12	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.12	U
51-28-5	2,4-Dinitrophenol	0.58	U	85-68-7	Butylbenzylphthalate	0.12	U
121-14-2	2,4-Dinitrotoluene	0.12	U	105-60-2	Caprolactam	0.12	U
606-20-2	2,6-Dinitrotoluene	0.12	U	86-74-8	Carbazole	0.12	U
91-58-7	2-Chloronaphthalene	0.12	U	**218-01-9**	**Chrysene**	**0.12**	**0.54**
95-57-8	2-Chlorophenol	0.12	U	53-70-3	Dibenzo[a,h]anthracene	0.12	U
91-57-6	2-Methylnaphthalene	0.12	U	132-64-9	Dibenzofuran	0.12	U
95-48-7	2-Methylphenol	0.12	U	84-66-2	Diethylphthalate	0.12	U
88-74-4	2-Nitroaniline	0.12	U	131-11-3	Dimethylphthalate	0.12	U
88-75-5	2-Nitrophenol	0.12	U	84-74-2	Di-n-butylphthalate	0.58	U
106-44-5	3&4-Methylphenol	0.12	U	117-84-0	Di-n-octylphthalate	0.12	U
91-94-1	3,3'-Dichlorobenzidine	0.12	U	**206-44-0**	**Fluoranthene**	**0.12**	**0.90**
99-09-2	3-Nitroaniline	0.12	U	86-73-7	Fluorene	0.12	U
534-52-1	4,6-Dinitro-2-methylphenol	0.58	U	118-74-1	Hexachlorobenzene	0.12	U
101-55-3	4-Bromophenyl-phenylether	0.12	U	87-68-3	Hexachlorobutadiene	0.12	U
59-50-7	4-Chloro-3-methylphenol	0.12	U	77-47-4	Hexachlorocyclopentadiene	0.58	U
106-47-8	4-Chloroaniline	0.12	U	67-72-1	Hexachloroethane	0.12	U
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.12**	**0.44**
100-01-6	4-Nitroaniline	0.12	U	78-59-1	Isophorone	0.12	U
100-02-7	4-Nitrophenol	0.12	U	91-20-3	Naphthalene	0.12	U
83-32-9	Acenaphthene	0.12	U	98-95-3	Nitrobenzene	0.12	U
208-96-8	Acenaphthylene	0.12	U	621-64-7	N-Nitroso-di-n-propylamine	0.12	U
98-86-2	Acetophenone	0.12	U	86-30-6	n-Nitrosodiphenylamine	0.12	U
120-12-7	**Anthracene**	**0.12**	**0.14**	87-86-5	Pentachlorophenol	0.58	U
1912-24-9	Atrazine	0.12	U	**85-01-8**	**Phenanthrene**	**0.12**	**0.54**
100-52-7	Benzaldehyde	0.12	U	108-95-2	Phenol	0.12	U
56-55-3	**Benzo[a]anthracene**	**0.12**	**0.53**	**129-00-0**	**Pyrene**	**0.12**	**0.84**

Worksheet #: 764414

Total Target Concentration 5.8

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

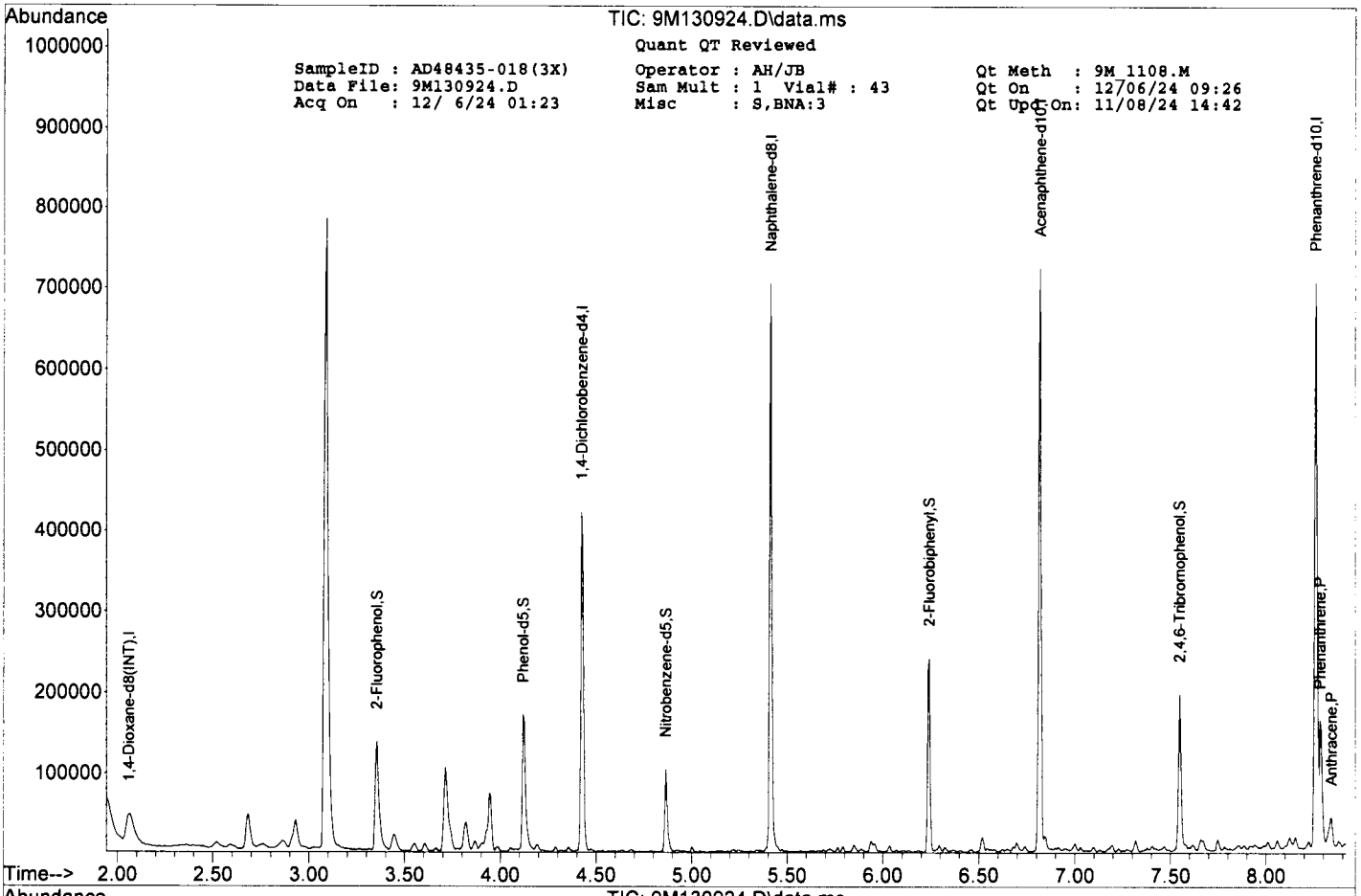
Quantitation Report (QT Reviewed)

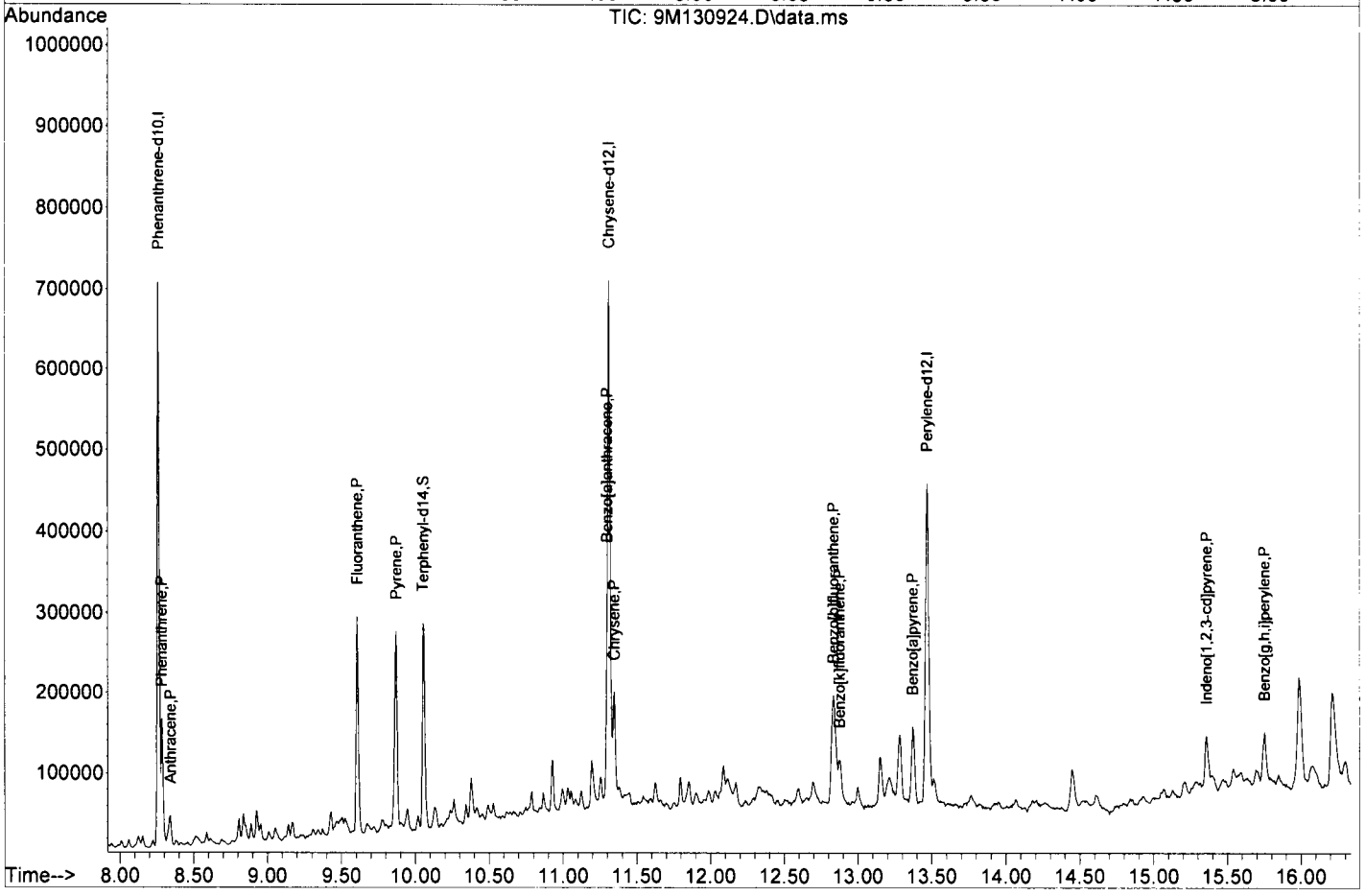
SampleID : AD48435-018(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130924.D Sam Mult : 1 Vial# : 43 Qt On : 12/06/24 09:26
Acq On : 12/ 6/24 01:23 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-0524\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	40334	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.425	152	72634	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	266523	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	152786	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	269883	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	240926	40.00	ng	-0.05
102) Perylene-d12	13.471	264	236215	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	58919	27.25	ng	-0.04
Spiked Amount 100.000			Recovery = 27.25%			
16) Phenol-d5	4.119	99	75522	26.60	ng	-0.04
Spiked Amount 100.000			Recovery = 26.60%			
32) Nitrobenzene-d5	4.866	128	15851	14.80	ng	-0.04
Spiked Amount 50.000			Recovery = 29.60%			
55) 2-Fluorobiphenyl	6.242	172	75274	15.75	ng	-0.04
Spiked Amount 50.000			Recovery = 31.50%			
79) 2,4,6-Tribromophenol	7.548	330	25019	36.61	ng	-0.04
Spiked Amount 100.000			Recovery = 36.61%			
93) Terphenyl-d14	10.054	244	87805	17.23	ng	-0.05
Spiked Amount 50.000			Recovery = 34.46%			
Target Compounds						Qvalue
85) Phenanthrene	8.283	178	61832	9.2867	ng	99
86) Anthracene	8.342	178	15801m	2.3607	ng	
89) Fluoranthene	9.607	202	110988	15.5328	ng	91
91) Pyrene	9.872	202	109763	14.4990	ng	85
99) Benzo[a]anthracene	11.301	228	64512m	9.1038	ng	
100) Chrysene	11.348	228	62190m	9.2963	ng	
104) Benzo[b]fluoranthene	12.836	252	84534m	12.4660	ng	
105) Benzo[k]fluoranthene	12.877	252	28486m	3.9630	ng	
106) Benzo[a]pyrene	13.371	252	58085m	9.0987	ng	
107) Indeno[1,2,3-cd]pyrene	15.359	276	43691m	7.6091	ng	
109) Benzo[g,h,i]perylene	15.754	276	41766m	7.2104	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130924.D\data.ms
Quant QT Reviewed
SampleID : AD48435-018(3X)
Data File: 9M130924.D
Acq On : 12/ 6/24 01:23
Operator : AH/JB
Sam Mult : 1 Vial# : 43
Misc : S,BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/06/24 09:26
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Time-->


Abundance
TIC: 9M130924.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[k]fluoranthene,P
Perylene-d12,I
Benzo[a]pyrene,P
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-019(3X)
Client Id: SB-19-0-2.0'
Data File: 9M130923.D
Analysis Date: 12/06/24 01:01
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 82

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.12	U	**50-32-8**	**Benzo[a]pyrene**	**0.12**	**0.42**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.12	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.12**	**0.58**
123-91-1	1,4-Dioxane	0.12	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.12**	**0.33**
58-90-2	2,3,4,6-Tetrachlorophenol	0.12	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.12**	**0.18**
95-95-4	2,4,5-Trichlorophenol	0.12	U	111-91-1	bis(2-Chloroethoxy)methan	0.12	U
88-06-2	2,4,6-Trichlorophenol	0.12	U	111-44-4	bis(2-Chloroethyl)ether	0.046	U
120-83-2	2,4-Dichlorophenol	0.12	U	108-60-1	bis(2-chloroisopropyl)ether	0.12	U
105-67-9	2,4-Dimethylphenol	0.12	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.12	U
51-28-5	2,4-Dinitrophenol	0.61	U	85-68-7	Butylbenzylphthalate	0.12	U
121-14-2	2,4-Dinitrotoluene	0.12	U	105-60-2	Caprolactam	0.12	U
606-20-2	2,6-Dinitrotoluene	0.12	U	86-74-8	Carbazole	0.12	U
91-58-7	2-Chloronaphthalene	0.12	U	**218-01-9**	**Chrysene**	**0.12**	**0.41**
95-57-8	2-Chlorophenol	0.12	U	53-70-3	Dibenzo[a,h]anthracene	0.12	U
91-57-6	2-Methylnaphthalene	0.12	U	132-64-9	Dibenzofuran	0.12	U
95-48-7	2-Methylphenol	0.12	U	84-66-2	Diethylphthalate	0.12	U
88-74-4	2-Nitroaniline	0.12	U	131-11-3	Dimethylphthalate	0.12	U
88-75-5	2-Nitrophenol	0.12	U	84-74-2	Di-n-butylphthalate	0.61	U
106-44-5	3&4-Methylphenol	0.12	U	117-84-0	Di-n-octylphthalate	0.12	U
91-94-1	3,3'-Dichlorobenzidine	0.12	U	**206-44-0**	**Fluoranthene**	**0.12**	**0.74**
99-09-2	3-Nitroaniline	0.12	U	86-73-7	Fluorene	0.12	U
534-52-1	4,6-Dinitro-2-methylphenol	0.61	U	118-74-1	Hexachlorobenzene	0.12	U
101-55-3	4-Bromophenyl-phenylether	0.12	U	87-68-3	Hexachlorobutadiene	0.12	U
59-50-7	4-Chloro-3-methylphenol	0.12	U	77-47-4	Hexachlorocyclopentadiene	0.61	U
106-47-8	4-Chloroaniline	0.12	U	67-72-1	Hexachloroethane	0.12	U
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.12**	**0.33**
100-01-6	4-Nitroaniline	0.12	U	78-59-1	Isophorone	0.12	U
100-02-7	4-Nitrophenol	0.12	U	91-20-3	Naphthalene	0.12	U
83-32-9	Acenaphthene	0.12	U	98-95-3	Nitrobenzene	0.12	U
208-96-8	Acenaphthylene	0.12	U	621-64-7	N-Nitroso-di-n-propylamine	0.12	U
98-86-2	Acetophenone	0.12	U	86-30-6	n-Nitrosodiphenylamine	0.12	U
120-12-7	Anthracene	0.12	U	87-86-5	Pentachlorophenol	0.61	U
1912-24-9	Atrazine	0.12	U	**85-01-8**	**Phenanthrene**	**0.12**	**0.38**
100-52-7	Benzaldehyde	0.12	U	108-95-2	Phenol	0.12	U
56-55-3	**Benzo[a]anthracene**	**0.12**	**0.42**	**129-00-0**	**Pyrene**	**0.12**	**0.65**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

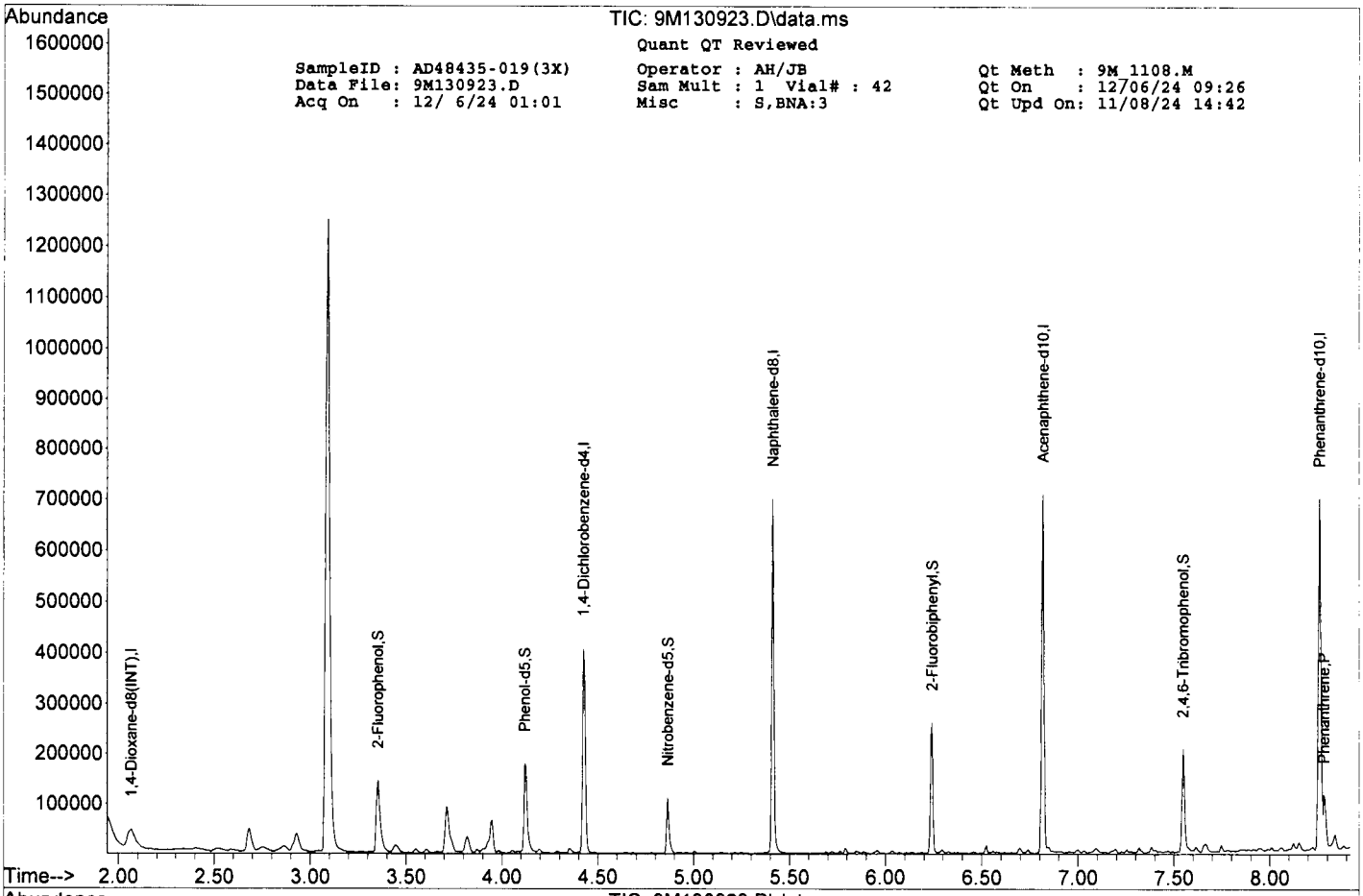
Quantitation Report (QT Reviewed)

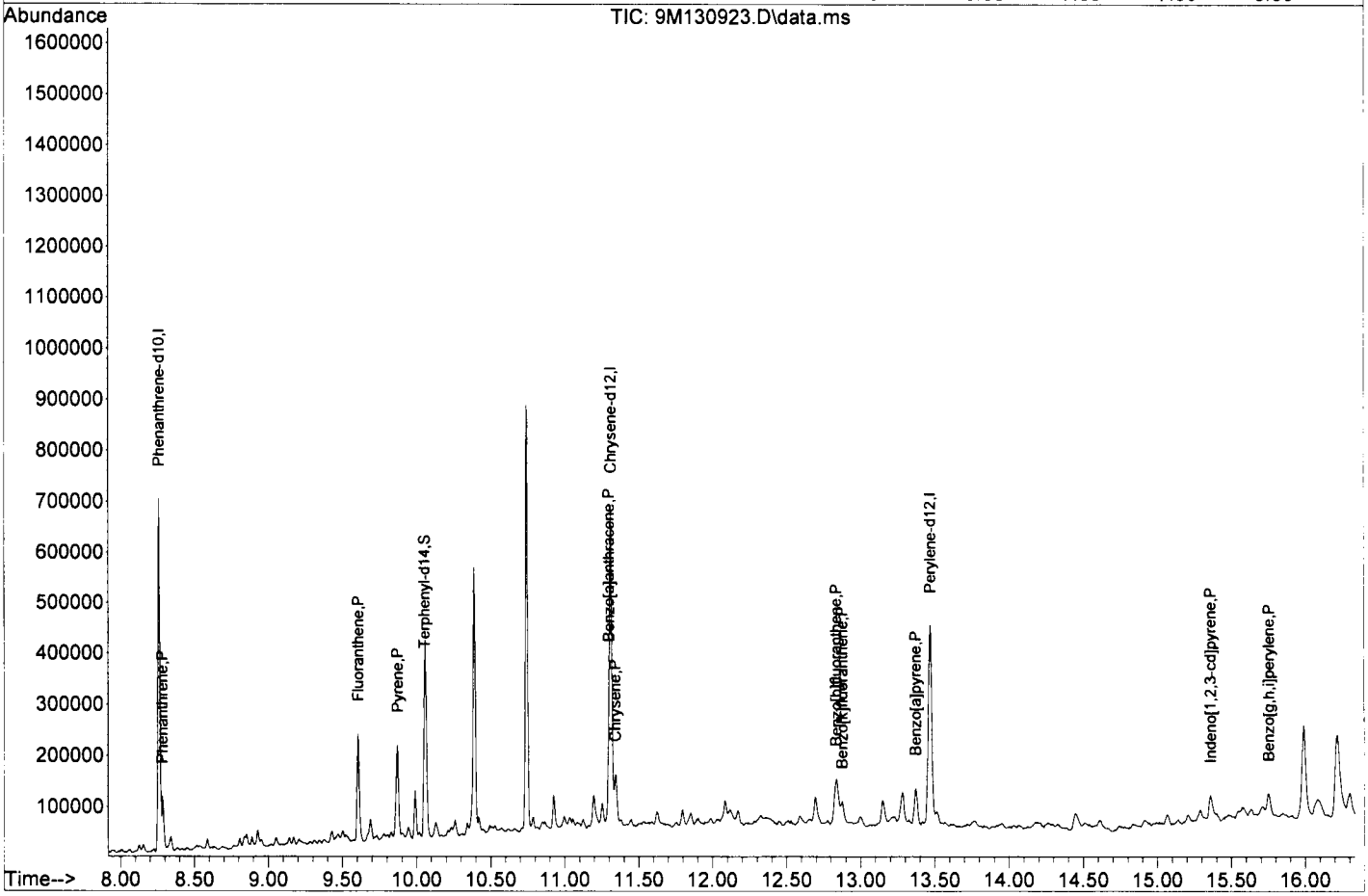
SampleID : AD48435-019(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130923.D Sam Mult : 1 Vial# : 42 Qt On : 12/06/24 09:26
Acq On : 12/ 6/24 01:01 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-0524\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	38189	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.425	152	72153	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	264254	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	151461	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	269428	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	237586	40.00	ng	-0.05
102) Perylene-d12	13.471	264	234092	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	62715	30.64	ng	-0.04
Spiked Amount 100.000			Recovery = 30.64%			
16) Phenol-d5	4.119	99	79335	29.51	ng	-0.04
Spiked Amount 100.000			Recovery = 29.51%			
32) Nitrobenzene-d5	4.866	128	17174	16.17	ng	-0.04
Spiked Amount 50.000			Recovery = 32.34%			
55) 2-Fluorobiphenyl	6.242	172	77894	16.44	ng	-0.04
Spiked Amount 50.000			Recovery = 32.88%			
79) 2,4,6-Tribromophenol	7.548	330	26857	39.36	ng	-0.04
Spiked Amount 100.000			Recovery = 39.36%			
93) Terphenyl-d14	10.054	244	93513	18.60	ng	-0.05
Spiked Amount 50.000			Recovery = 37.20%			
Target Compounds						Qvalue
85) Phenanthrene	8.283	178	41583	6.2560	ng	99
89) Fluoranthene	9.607	202	86034	12.0608	ng	90
91) Pyrene	9.872	202	79413	10.6374	ng	86
99) Benzo[a]anthracene	11.301	228	47963m	6.8636	ng	
100) Chrysene	11.342	228	44206m	6.7009	ng	
104) Benzo[b]fluoranthene	12.836	252	63507m	9.4501	ng	
105) Benzo[k]fluoranthene	12.877	252	21182m	2.9736	ng	
106) Benzo[a]pyrene	13.371	252	44049m	6.9626	ng	
107) Indeno[1,2,3-cd]pyrene	15.359	276	30968m	5.4422	ng	
109) Benzo[g,h,i]perylene	15.754	276	30671m	5.3430	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130923.D\data.ms
Quant QT Reviewed
SampleID : AD48435-019(3X)
Data File: 9M130923.D
Acq On : 12/ 6/24 01:01
Operator : AH/JB
Sam Mult : 1 Vial# : 42
Misc : S,BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/06/24 09:26
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M130923.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Perylene-d12,I
Benzo[a]pyrene,P
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-020(5X)
Client Id: SB-14-0-2.0'
Data File: 9M130955.D
Analysis Date: 12/06/24 16:08
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 5
Solids: 87

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.19	U	**50-32-8**	**Benzo[a]pyrene**	**0.19**	**0.43**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.19	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.19**	**0.56**
123-91-1	1,4-Dioxane	0.19	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.19**	**0.33**
58-90-2	2,3,4,6-Tetrachlorophenol	0.19	U	207-08-9	Benzo[k]fluoranthene	0.19	U
95-95-4	2,4,5-Trichlorophenol	0.19	U	111-91-1	bis(2-Chloroethoxy)methan	0.19	U
88-06-2	2,4,6-Trichlorophenol	0.19	U	111-44-4	bis(2-Chloroethyl)ether	0.073	U
120-83-2	2,4-Dichlorophenol	0.19	U	108-60-1	bis(2-chloroisopropyl)ether	0.19	U
105-67-9	2,4-Dimethylphenol	0.19	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.19	U
51-28-5	2,4-Dinitrophenol	0.96	U	85-68-7	Butylbenzylphthalate	0.19	U
121-14-2	2,4-Dinitrotoluene	0.19	U	105-60-2	Caprolactam	0.19	U
606-20-2	2,6-Dinitrotoluene	0.19	U	86-74-8	Carbazole	0.19	U
91-58-7	2-Chloronaphthalene	0.19	U	**218-01-9**	**Chrysene**	**0.19**	**0.41**
95-57-8	2-Chlorophenol	0.19	U	53-70-3	Dibenzo[a,h]anthracene	0.19	U
91-57-6	2-Methylnaphthalene	0.19	U	132-64-9	Dibenzofuran	0.19	U
95-48-7	2-Methylphenol	0.19	U	84-66-2	Diethylphthalate	0.19	U
88-74-4	2-Nitroaniline	0.19	U	131-11-3	Dimethylphthalate	0.19	U
88-75-5	2-Nitrophenol	0.19	U	84-74-2	Di-n-butylphthalate	0.96	U
106-44-5	3&4-Methylphenol	0.19	U	117-84-0	Di-n-octylphthalate	0.19	U
91-94-1	3,3'-Dichlorobenzidine	0.19	U	**206-44-0**	**Fluoranthene**	**0.19**	**0.67**
99-09-2	3-Nitroaniline	0.19	U	86-73-7	Fluorene	0.19	U
534-52-1	4,6-Dinitro-2-methylphenol	0.96	U	118-74-1	Hexachlorobenzene	0.19	U
101-55-3	4-Bromophenyl-phenylether	0.19	U	87-68-3	Hexachlorobutadiene	0.19	U
59-50-7	4-Chloro-3-methylphenol	0.19	U	77-47-4	Hexachlorocyclopentadiene	0.96	U
106-47-8	4-Chloroaniline	0.19	U	67-72-1	Hexachloroethane	0.19	U
7005-72-3	4-Chlorophenyl-phenylether	0.19	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.19**	**0.36**
100-01-6	4-Nitroaniline	0.19	U	78-59-1	Isophorone	0.19	U
100-02-7	4-Nitrophenol	0.19	U	91-20-3	Naphthalene	0.19	U
83-32-9	Acenaphthene	0.19	U	98-95-3	Nitrobenzene	0.19	U
208-96-8	Acenaphthylene	0.19	U	621-64-7	N-Nitroso-di-n-propylamine	0.19	U
98-86-2	Acetophenone	0.19	U	86-30-6	n-Nitrosodiphenylamine	0.19	U
120-12-7	Anthracene	0.19	U	87-86-5	Pentachlorophenol	0.96	U
1912-24-9	Atrazine	0.19	U	**85-01-8**	**Phenanthrene**	**0.19**	**0.30**
100-52-7	Benzaldehyde	0.19	U	108-95-2	Phenol	0.19	U
56-55-3	**Benzo[a]anthracene**	**0.19**	**0.43**	**129-00-0**	**Pyrene**	**0.19**	**0.67**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

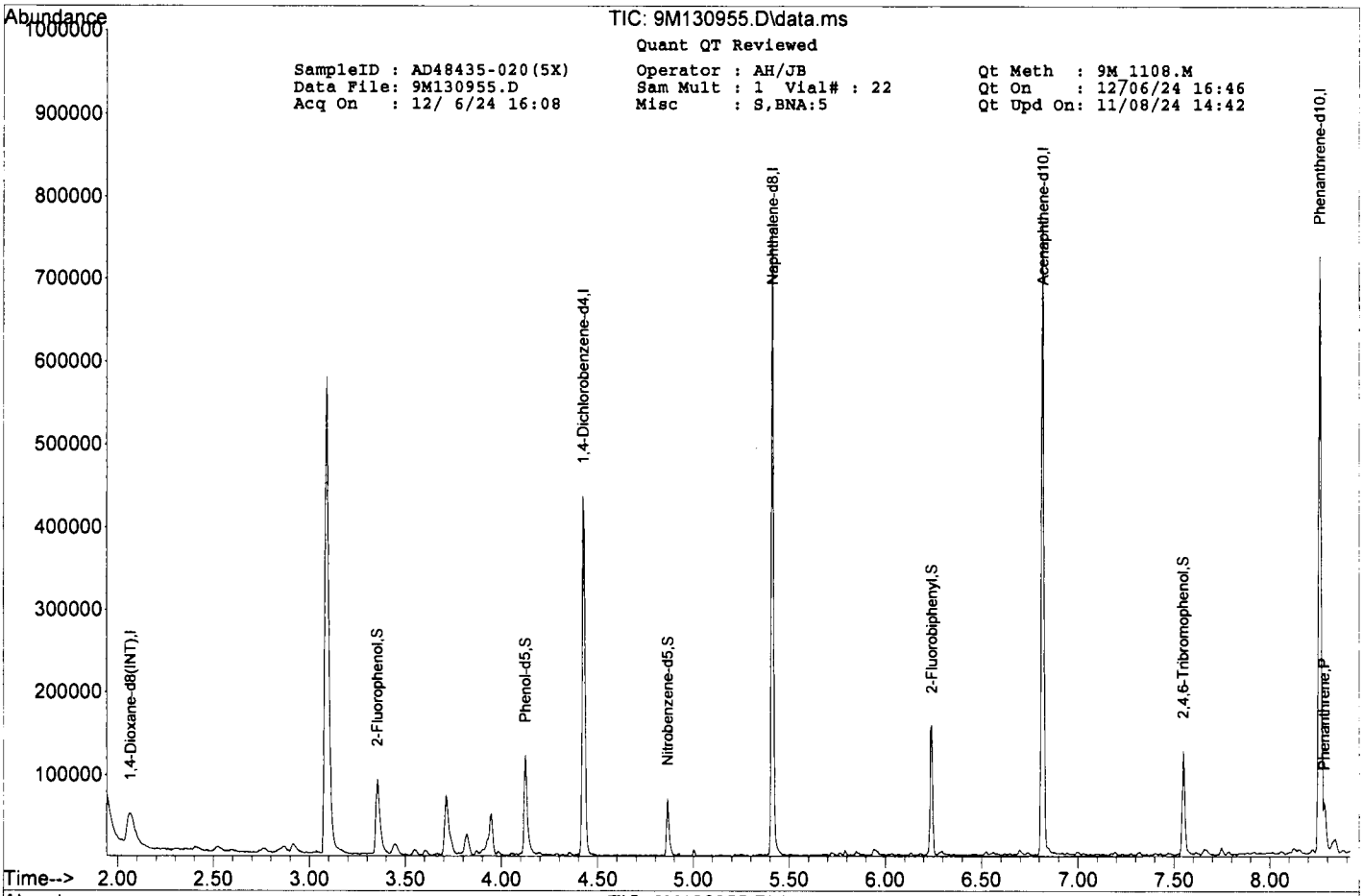
Quantitation Report (QT Reviewed)

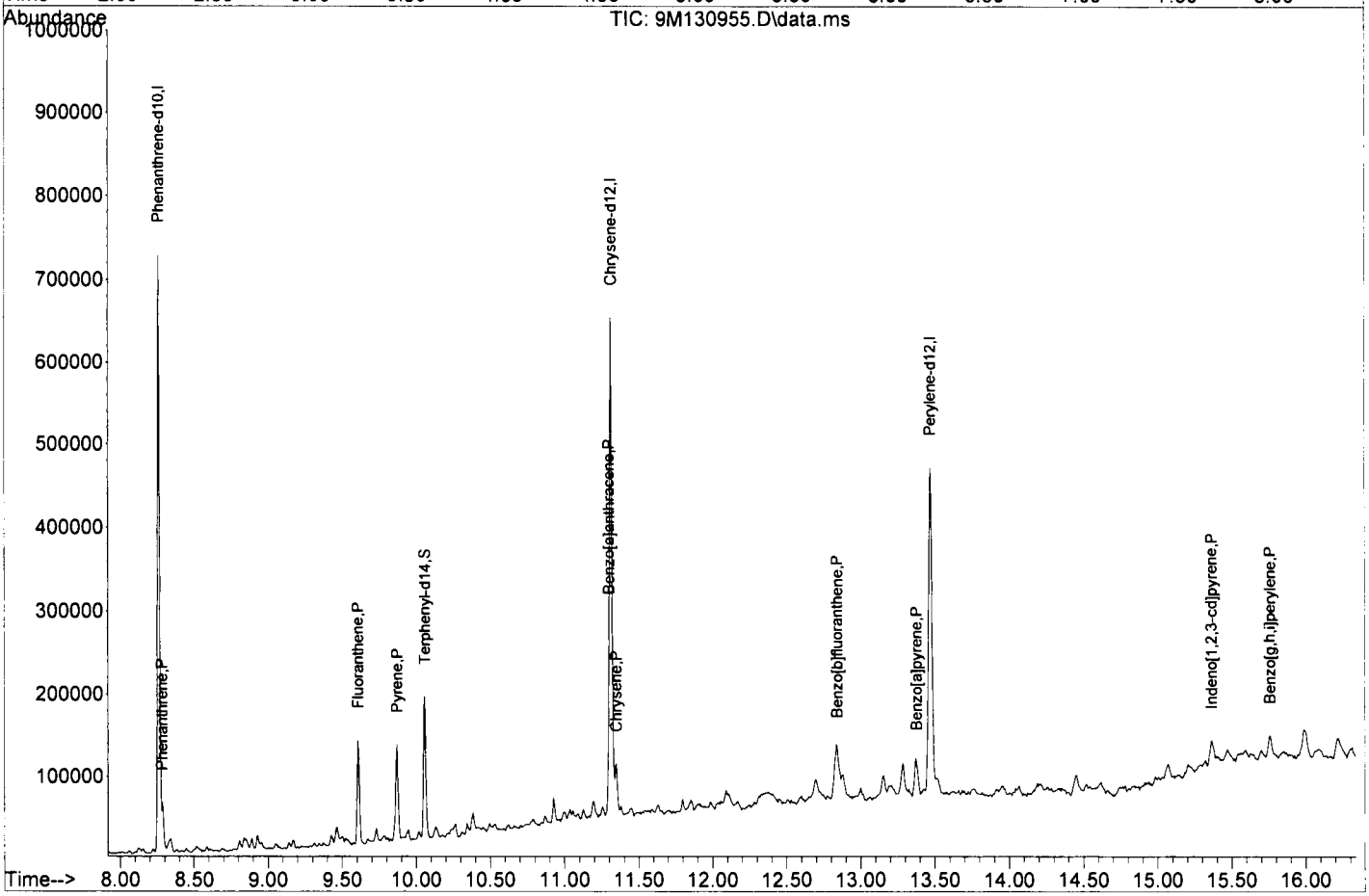
SampleID : AD48435-020(5X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130955.D Sam Mult : 1 Vial# : 22 Qt On : 12/06/24 16:46
Acq On : 12/ 6/24 16:08 Misc : S,BNA:5 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-06-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	43569	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.425	152	76759	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	283591	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	161982	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	282599	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	232676	40.00	ng	-0.05
102) Perylene-d12	13.471	264	233008	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	41507	17.77	ng	-0.04
Spiked Amount 100.000			Recovery = 17.77%			
16) Phenol-d5	4.125	99	51727	16.86	ng	-0.03
Spiked Amount 100.000			Recovery = 16.86%			
32) Nitrobenzene-d5	4.866	128	11242	9.86	ng	-0.04
Spiked Amount 50.000			Recovery = 19.72%			
55) 2-Fluorobiphenyl	6.242	172	50100	9.89	ng	-0.04
Spiked Amount 50.000			Recovery = 19.78%			
79) 2,4,6-Tribromophenol	7.548	330	16080	22.47	ng	-0.04
Spiked Amount 100.000			Recovery = 22.47%			
93) Terphenyl-d14	10.060	244	56061	11.39	ng	-0.04
Spiked Amount 50.000			Recovery = 22.78%			
Target Compounds						Qvalue
85) Phenanthrene	8.283	178	22092m	3.1687	ng	
89) Fluoranthene	9.607	202	52648	7.0366	ng	92
91) Pyrene	9.872	202	50829	6.9523	ng	86
99) Benzo[a]anthracene	11.301	228	30460m	4.4509	ng	
100) Chrysene	11.348	228	27412m	4.2429	ng	
104) Benzo[b]fluoranthene	12.842	252	38934m	5.8205	ng	
106) Benzo[a]pyrene	13.377	252	27998m	4.4461	ng	
107) Indeno[1,2,3-cd]pyrene	15.365	276	21014m	3.7101	ng	
109) Benzo[g,h,i]perylene	15.759	276	19884m	3.4800	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130955.D\data.ms
Quant QT Reviewed
SampleID : AD48435-020(5X)
Data File: 9M130955.D
Acq On : 12/ 6/24 16:08
Operator : AH/JB
Sam Mult : 1 Vial# : 22
Misc : S,BNA:5
Qt Meth : 9M_1108.M
Qt On : 12/06/24 16:46
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M130955.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Benzo[a]anthracene,P
Chrysene,P
Benzo[b]fluoranthene,P
Perylene-d12,I
Benzo[a]pyrene,P
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-021(3X)
Client Id: SB-13-0-2.0'
Data File: 9M130922.D
Analysis Date: 12/06/24 00:39
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.11	U	**50-32-8**	**Benzo[a]pyrene**	**0.11**	**0.68**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.11	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.11**	**0.88**
123-91-1	1,4-Dioxane	0.11	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.11**	**0.50**
58-90-2	2,3,4,6-Tetrachlorophenol	0.11	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.11**	**0.28**
95-95-4	2,4,5-Trichlorophenol	0.11	U	111-91-1	bis(2-Chloroethoxy)methan	0.11	U
88-06-2	2,4,6-Trichlorophenol	0.11	U	111-44-4	bis(2-Chloroethyl)ether	0.043	U
120-83-2	2,4-Dichlorophenol	0.11	U	108-60-1	bis(2-chloroisopropyl)ether	0.11	U
105-67-9	2,4-Dimethylphenol	0.11	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.11	U
51-28-5	2,4-Dinitrophenol	0.57	U	85-68-7	Butylbenzylphthalate	0.11	U
121-14-2	2,4-Dinitrotoluene	0.11	U	105-60-2	Caprolactam	0.11	U
606-20-2	2,6-Dinitrotoluene	0.11	U	86-74-8	Carbazole	0.11	U
91-58-7	2-Chloronaphthalene	0.11	U	**218-01-9**	**Chrysene**	**0.11**	**0.67**
95-57-8	2-Chlorophenol	0.11	U	53-70-3	Dibenzo[a,h]anthracene	0.11	U
91-57-6	2-Methylnaphthalene	0.11	U	132-64-9	Dibenzofuran	0.11	U
95-48-7	2-Methylphenol	0.11	U	84-66-2	Diethylphthalate	0.11	U
88-74-4	2-Nitroaniline	0.11	U	131-11-3	Dimethylphthalate	0.11	U
88-75-5	2-Nitrophenol	0.11	U	84-74-2	Di-n-butylphthalate	0.57	U
106-44-5	3&4-Methylphenol	0.11	U	117-84-0	Di-n-octylphthalate	0.11	U
91-94-1	3,3'-Dichlorobenzidine	0.11	U	**206-44-0**	**Fluoranthene**	**0.11**	**1.3**
99-09-2	3-Nitroaniline	0.11	U	86-73-7	Fluorene	0.11	U
534-52-1	4,6-Dinitro-2-methylphenol	0.57	U	118-74-1	Hexachlorobenzene	0.11	U
101-55-3	4-Bromophenyl-phenylether	0.11	U	87-68-3	Hexachlorobutadiene	0.11	U
59-50-7	4-Chloro-3-methylphenol	0.11	U	77-47-4	Hexachlorocyclopentadiene	0.57	U
106-47-8	4-Chloroaniline	0.11	U	67-72-1	Hexachloroethane	0.11	U
7005-72-3	4-Chlorophenyl-phenylether	0.11	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.11**	**0.54**
100-01-6	4-Nitroaniline	0.11	U	78-59-1	Isophorone	0.11	U
100-02-7	4-Nitrophenol	0.11	U	91-20-3	Naphthalene	0.11	U
83-32-9	Acenaphthene	0.11	U	98-95-3	Nitrobenzene	0.11	U
208-96-8	Acenaphthylene	0.11	U	621-64-7	N-Nitroso-di-n-propylamine	0.11	U
98-86-2	Acetophenone	0.11	U	86-30-6	n-Nitrosodiphenylamine	0.11	U
120-12-7	**Anthracene**	**0.11**	**0.23**	87-86-5	Pentachlorophenol	0.57	U
1912-24-9	Atrazine	0.11	U	**85-01-8**	**Phenanthrene**	**0.11**	**0.88**
100-52-7	Benzaldehyde	0.11	U	108-95-2	Phenol	0.11	U
56-55-3	**Benzo[a]anthracene**	**0.11**	**0.65**	**129-00-0**	**Pyrene**	**0.11**	**1.1**

Worksheet #: 764414

Total Target Concentration 7.7

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

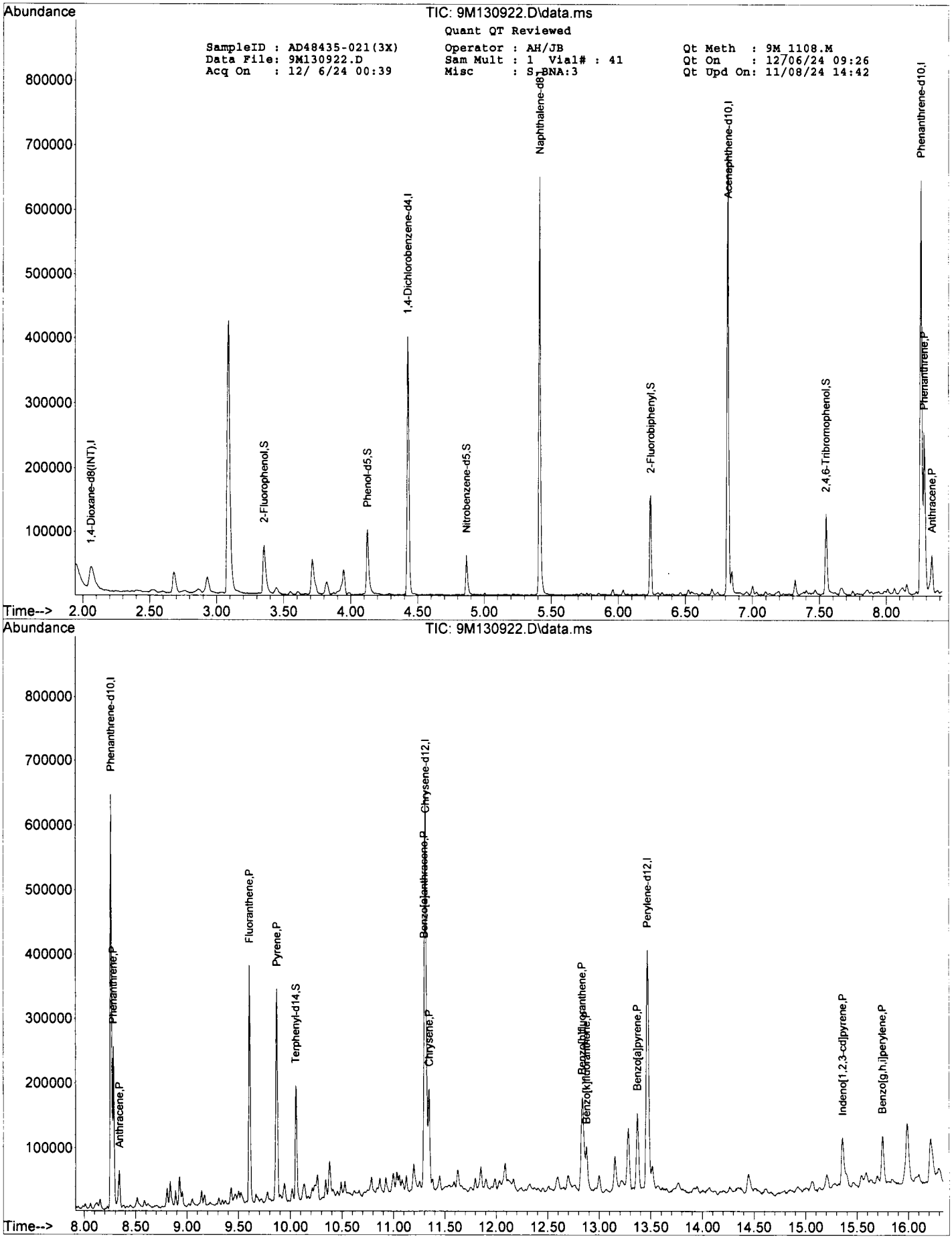
SampleID : AD48435-021(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130922.D Sam Mult : 1 Vial# : 41 Qt On : 12/06/24 09:26
Acq On : 12/ 6/24 00:39 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-0524\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	36777	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.425	152	67970	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	250612	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	145138	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	255598	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	232152	40.00	ng	-0.05
102) Perylene-d12	13.471	264	228480	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	35509	18.01	ng	-0.04
Spiked Amount 100.000			Recovery = 18.01%			
16) Phenol-d5	4.125	99	46784	18.07	ng	-0.03
Spiked Amount 100.000			Recovery = 18.07%			
32) Nitrobenzene-d5	4.866	128	9984	9.91	ng	-0.04
Spiked Amount 50.000			Recovery = 19.82%			
55) 2-Fluorobiphenyl	6.242	172	49812	10.97	ng	-0.04
Spiked Amount 50.000			Recovery = 21.94%			
79) 2,4,6-Tribromophenol	7.548	330	16040	24.78	ng	-0.04
Spiked Amount 100.000			Recovery = 24.78%			
93) Terphenyl-d14	10.054	244	60672	12.35	ng	-0.05
Spiked Amount 50.000			Recovery = 24.70%			
Target Compounds						Qvalue
85) Phenanthrene	8.284	178	98123	15.5610	ng	100
86) Anthracene	8.342	178	25234m	3.9807	ng	
89) Fluoranthene	9.607	202	152541m	22.5413	ng	
91) Pyrene	9.872	202	144367	19.7907	ng	85
99) Benzo[a]anthracene	11.301	228	78686m	11.5237	ng	
100) Chrysene	11.348	228	75583m	11.7253	ng	
104) Benzo[b]fluoranthene	12.836	252	101830m	15.5249	ng	
105) Benzo[k]fluoranthene	12.877	252	34179m	4.9159	ng	
106) Benzo[a]pyrene	13.371	252	74162m	12.0103	ng	
107) Indeno[1,2,3-cd]pyrene	15.360	276	52388m	9.4326	ng	
109) Benzo[g,h,i]perylene	15.748	276	49045m	8.7537	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

P


Abundance
TIC: 9M130922.D\data.ms
Quant QT Reviewed
SampleID : AD48435-021(3X)
Data File: 9M130922.D
Acq On : 12/ 6/24 00:39
Operator : AH/JB
Sam Mult : 1 Vial# : 41
Misc : S_BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/06/24 09:26
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Time-->
Abundance
TIC: 9M130922.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Benzo[a]anthracene,P
Chrysene,P
Benzo[b]fluoranthene,P
Benzo[k]fluoranthene,P
Perylene-d12,I
Benzo[a]pyrene,P
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-022(3X)
Client Id: SB-18-0-2.0'
Data File: 9M130927.D
Analysis Date: 12/06/24 02:28
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 82

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.12	U	**50-32-8**	**Benzo[a]pyrene**	**0.12**	**0.43**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.12	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.12**	**0.64**
123-91-1	1,4-Dioxane	0.12	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.12**	**0.37**
58-90-2	2,3,4,6-Tetrachlorophenol	0.12	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.12**	**0.19**
95-95-4	2,4,5-Trichlorophenol	0.12	U	111-91-1	bis(2-Chloroethoxy)methan	0.12	U
88-06-2	2,4,6-Trichlorophenol	0.12	U	111-44-4	bis(2-Chloroethyl)ether	0.046	U
120-83-2	2,4-Dichlorophenol	0.12	U	108-60-1	bis(2-chloroisopropyl)ether	0.12	U
105-67-9	2,4-Dimethylphenol	0.12	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.12	U
51-28-5	2,4-Dinitrophenol	0.61	U	85-68-7	Butylbenzylphthalate	0.12	U
121-14-2	2,4-Dinitrotoluene	0.12	U	105-60-2	Caprolactam	0.12	U
606-20-2	2,6-Dinitrotoluene	0.12	U	86-74-8	Carbazole	0.12	U
91-58-7	2-Chloronaphthalene	0.12	U	**218-01-9**	**Chrysene**	**0.12**	**0.44**
95-57-8	2-Chlorophenol	0.12	U	53-70-3	Dibenzo[a,h]anthracene	0.12	U
91-57-6	2-Methylnaphthalene	0.12	U	132-64-9	Dibenzofuran	0.12	U
95-48-7	2-Methylphenol	0.12	U	84-66-2	Diethylphthalate	0.12	U
88-74-4	2-Nitroaniline	0.12	U	131-11-3	Dimethylphthalate	0.12	U
88-75-5	2-Nitrophenol	0.12	U	84-74-2	Di-n-butylphthalate	0.61	U
106-44-5	3&4-Methylphenol	0.12	U	117-84-0	Di-n-octylphthalate	0.12	U
91-94-1	3,3'-Dichlorobenzidine	0.12	U	**206-44-0**	**Fluoranthene**	**0.12**	**0.64**
99-09-2	3-Nitroaniline	0.12	U	86-73-7	Fluorene	0.12	U
534-52-1	4,6-Dinitro-2-methylphenol	0.61	U	118-74-1	Hexachlorobenzene	0.12	U
101-55-3	4-Bromophenyl-phenylether	0.12	U	87-68-3	Hexachlorobutadiene	0.12	U
59-50-7	4-Chloro-3-methylphenol	0.12	U	77-47-4	Hexachlorocyclopentadiene	0.61	U
106-47-8	4-Chloroaniline	0.12	U	67-72-1	Hexachloroethane	0.12	U
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.12**	**0.37**
100-01-6	4-Nitroaniline	0.12	U	78-59-1	Isophorone	0.12	U
100-02-7	4-Nitrophenol	0.12	U	91-20-3	Naphthalene	0.12	U
83-32-9	Acenaphthene	0.12	U	98-95-3	Nitrobenzene	0.12	U
208-96-8	Acenaphthylene	0.12	U	621-64-7	N-Nitroso-di-n-propylamine	0.12	U
98-86-2	Acetophenone	0.12	U	86-30-6	n-Nitrosodiphenylamine	0.12	U
120-12-7	Anthracene	0.12	U	87-86-5	Pentachlorophenol	0.61	U
1912-24-9	Atrazine	0.12	U	**85-01-8**	**Phenanthrene**	**0.12**	**0.33**
100-52-7	Benzaldehyde	0.12	U	108-95-2	Phenol	0.12	U
56-55-3	**Benzo[a]anthracene**	**0.12**	**0.41**	**129-00-0**	**Pyrene**	**0.12**	**0.61**

Worksheet #: 764414 *Total Target Concentration* 4.4 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

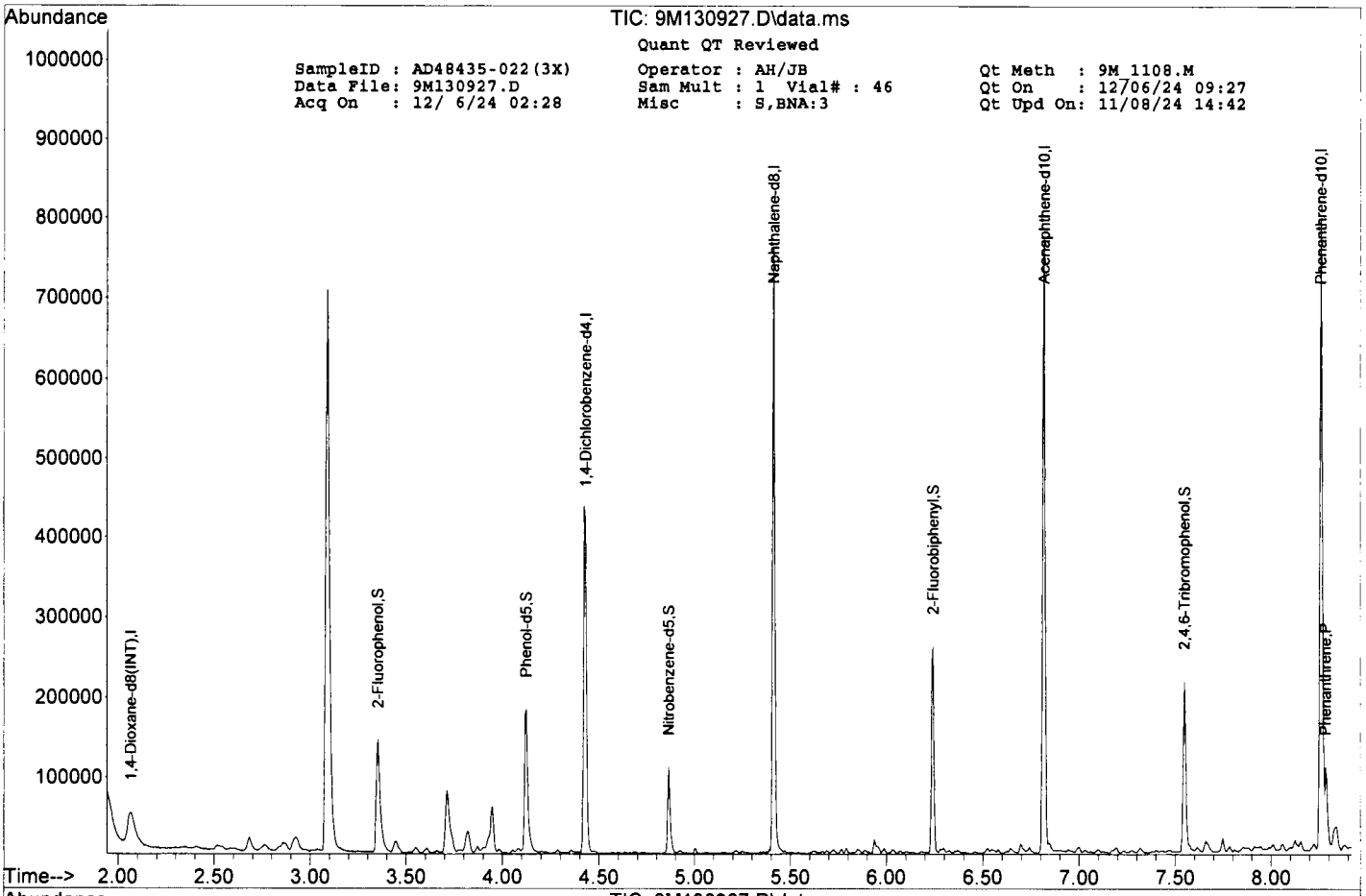
Quantitation Report (QT Reviewed)

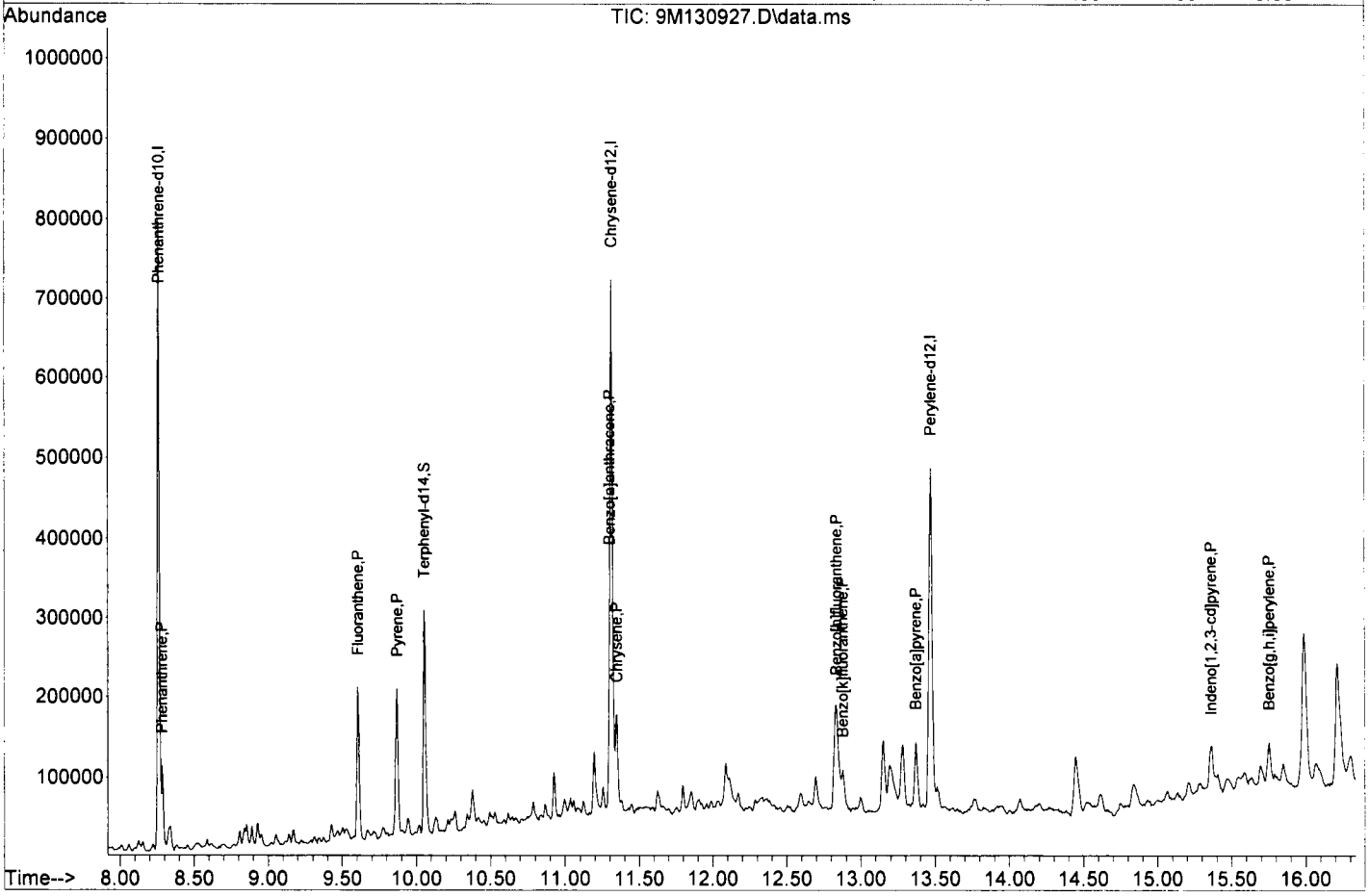
SampleID : AD48435-022(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130927.D Sam Mult : 1 Vial# : 46 Qt On : 12/06/24 09:27
Acq On : 12/ 6/24 02:28 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-0524\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	43428	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	78481	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	290272	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	166053	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	295508	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	254937	40.00	ng	-0.05
102) Perylene-d12	13.471	264	246523	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	62172	26.71	ng	-0.04
Spiked Amount 100.000			Recovery = 26.71%			
16) Phenol-d5	4.125	99	80869	26.45	ng	-0.03
Spiked Amount 100.000			Recovery = 26.45%			
32) Nitrobenzene-d5	4.866	128	16806	14.40	ng	-0.04
Spiked Amount 50.000			Recovery = 28.80%			
55) 2-Fluorobiphenyl	6.242	172	79202	15.25	ng	-0.04
Spiked Amount 50.000			Recovery = 30.50%			
79) 2,4,6-Tribromophenol	7.548	330	27686	37.00	ng	-0.04
Spiked Amount 100.000			Recovery = 37.00%			
93) Terphenyl-d14	10.054	244	94341	17.49	ng	-0.05
Spiked Amount 50.000			Recovery = 34.98%			
Target Compounds						Qvalue
85) Phenanthrene	8.283	178	39602	5.4321	ng	99
89) Fluoranthene	9.607	202	82631	10.5614	ng	92
91) Pyrene	9.872	202	80226	10.0149	ng	84
99) Benzo[a]anthracene	11.301	228	49968m	6.6638	ng	
100) Chrysene	11.348	228	50805m	7.1770	ng	
104) Benzo[b]fluoranthene	12.836	252	74024m	10.4597	ng	
105) Benzo[k]fluoranthene	12.877	252	22852m	3.0462	ng	
106) Benzo[a]pyrene	13.371	252	47256m	7.0929	ng	
107) Indeno[1,2,3-cd]pyrene	15.359	276	36371m	6.0694	ng	
109) Benzo[g,h,i]perylene	15.754	276	36568m	6.0490	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130927.D\data.ms
Quant QT Reviewed
SampleID : AD48435-022(3X)
Data File: 9M130927.D
Acq On : 12/ 6/24 02:28
Operator : AH/JB
Sam Mult : 1 Vial# : 46
Misc : S,BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/06/24 09:27
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M130927.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[k]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-023(3X)
Client Id: SB-08-0-2.0'
Data File: 9M130928.D
Analysis Date: 12/06/24 02:50
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 83

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.12	U	**50-32-8**	**Benzo[a]pyrene**	**0.12**	**0.32**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.12	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.12**	**0.48**
123-91-1	1,4-Dioxane	0.12	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.12**	**0.29**
58-90-2	2,3,4,6-Tetrachlorophenol	0.12	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.12**	**0.14**
95-95-4	2,4,5-Trichlorophenol	0.12	U	111-91-1	bis(2-Chloroethoxy)methan	0.12	U
88-06-2	2,4,6-Trichlorophenol	0.12	U	111-44-4	bis(2-Chloroethyl)ether	0.046	U
120-83-2	2,4-Dichlorophenol	0.12	U	108-60-1	bis(2-chloroisopropyl)ether	0.12	U
105-67-9	2,4-Dimethylphenol	0.12	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.12	U
51-28-5	2,4-Dinitrophenol	0.60	U	85-68-7	Butylbenzylphthalate	0.12	U
121-14-2	2,4-Dinitrotoluene	0.12	U	105-60-2	Caprolactam	0.12	U
606-20-2	2,6-Dinitrotoluene	0.12	U	86-74-8	Carbazole	0.12	U
91-58-7	2-Chloronaphthalene	0.12	U	**218-01-9**	**Chrysene**	**0.12**	**0.33**
95-57-8	2-Chlorophenol	0.12	U	53-70-3	Dibenzo[a,h]anthracene	0.12	U
91-57-6	2-Methylnaphthalene	0.12	U	132-64-9	Dibenzofuran	0.12	U
95-48-7	2-Methylphenol	0.12	U	84-66-2	Diethylphthalate	0.12	U
88-74-4	2-Nitroaniline	0.12	U	131-11-3	Dimethylphthalate	0.12	U
88-75-5	2-Nitrophenol	0.12	U	84-74-2	Di-n-butylphthalate	0.60	U
106-44-5	3&4-Methylphenol	0.12	U	117-84-0	Di-n-octylphthalate	0.12	U
91-94-1	3,3'-Dichlorobenzidine	0.12	U	**206-44-0**	**Fluoranthene**	**0.12**	**0.45**
99-09-2	3-Nitroaniline	0.12	U	86-73-7	Fluorene	0.12	U
534-52-1	4,6-Dinitro-2-methylphenol	0.60	U	118-74-1	Hexachlorobenzene	0.12	U
101-55-3	4-Bromophenyl-phenylether	0.12	U	87-68-3	Hexachlorobutadiene	0.12	U
59-50-7	4-Chloro-3-methylphenol	0.12	U	77-47-4	Hexachlorocyclopentadiene	0.60	U
106-47-8	4-Chloroaniline	0.12	U	67-72-1	Hexachloroethane	0.12	U
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.12**	**0.28**
100-01-6	4-Nitroaniline	0.12	U	78-59-1	Isophorone	0.12	U
100-02-7	4-Nitrophenol	0.12	U	91-20-3	Naphthalene	0.12	U
83-32-9	Acenaphthene	0.12	U	98-95-3	Nitrobenzene	0.12	U
208-96-8	Acenaphthylene	0.12	U	621-64-7	N-Nitroso-di-n-propylamine	0.12	U
98-86-2	Acetophenone	0.12	U	86-30-6	n-Nitrosodiphenylamine	0.12	U
120-12-7	Anthracene	0.12	U	87-86-5	Pentachlorophenol	0.60	U
1912-24-9	Atrazine	0.12	U	**85-01-8**	**Phenanthrene**	**0.12**	**0.21**
100-52-7	Benzaldehyde	0.12	U	108-95-2	Phenol	0.12	U
56-55-3	**Benzo[a]anthracene**	**0.12**	**0.30**	**129-00-0**	**Pyrene**	**0.12**	**0.44**

Worksheet #: 764414 ***Total Target Concentration*** 3.2 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

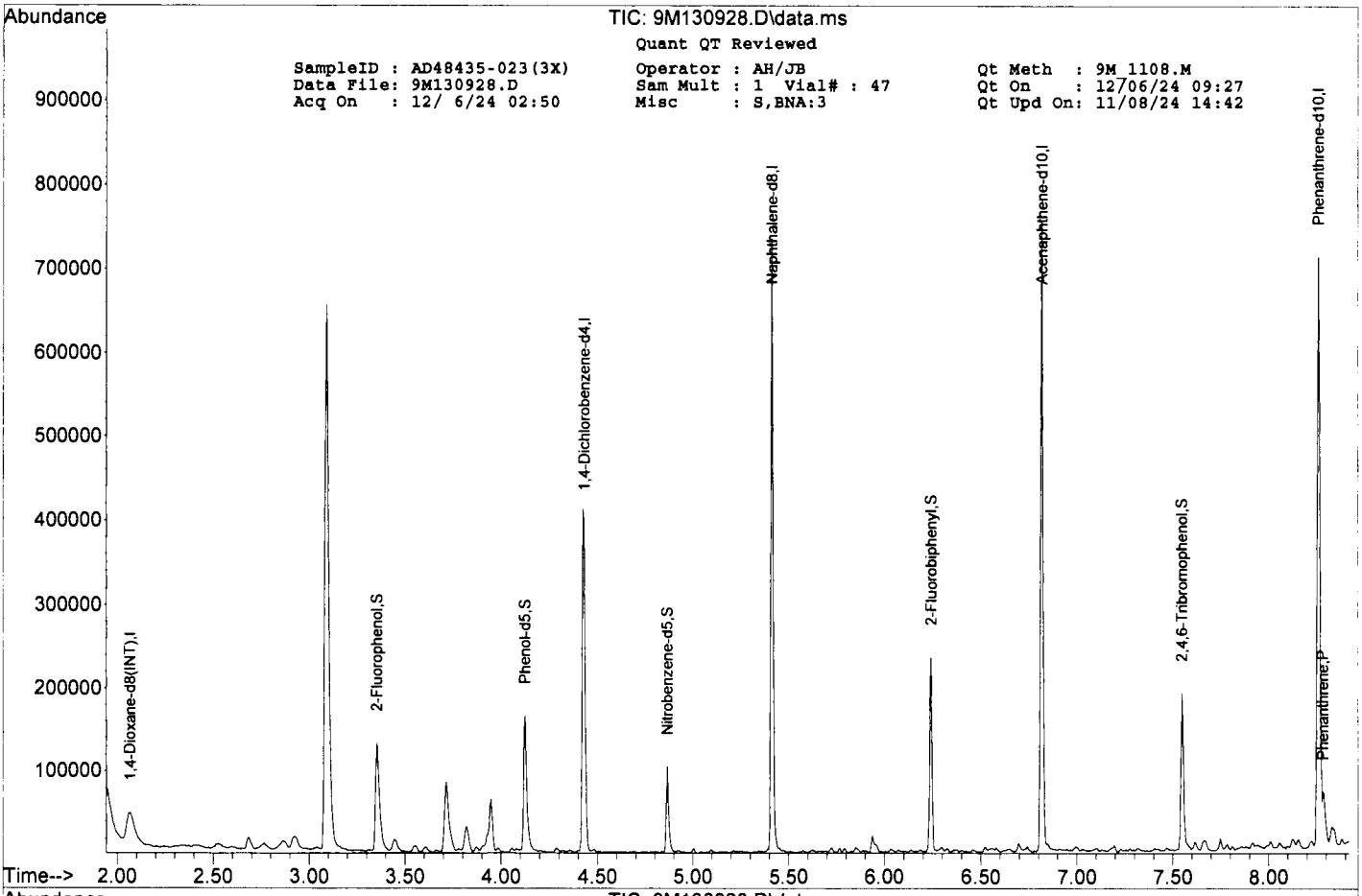
Quantitation Report (QT Reviewed)

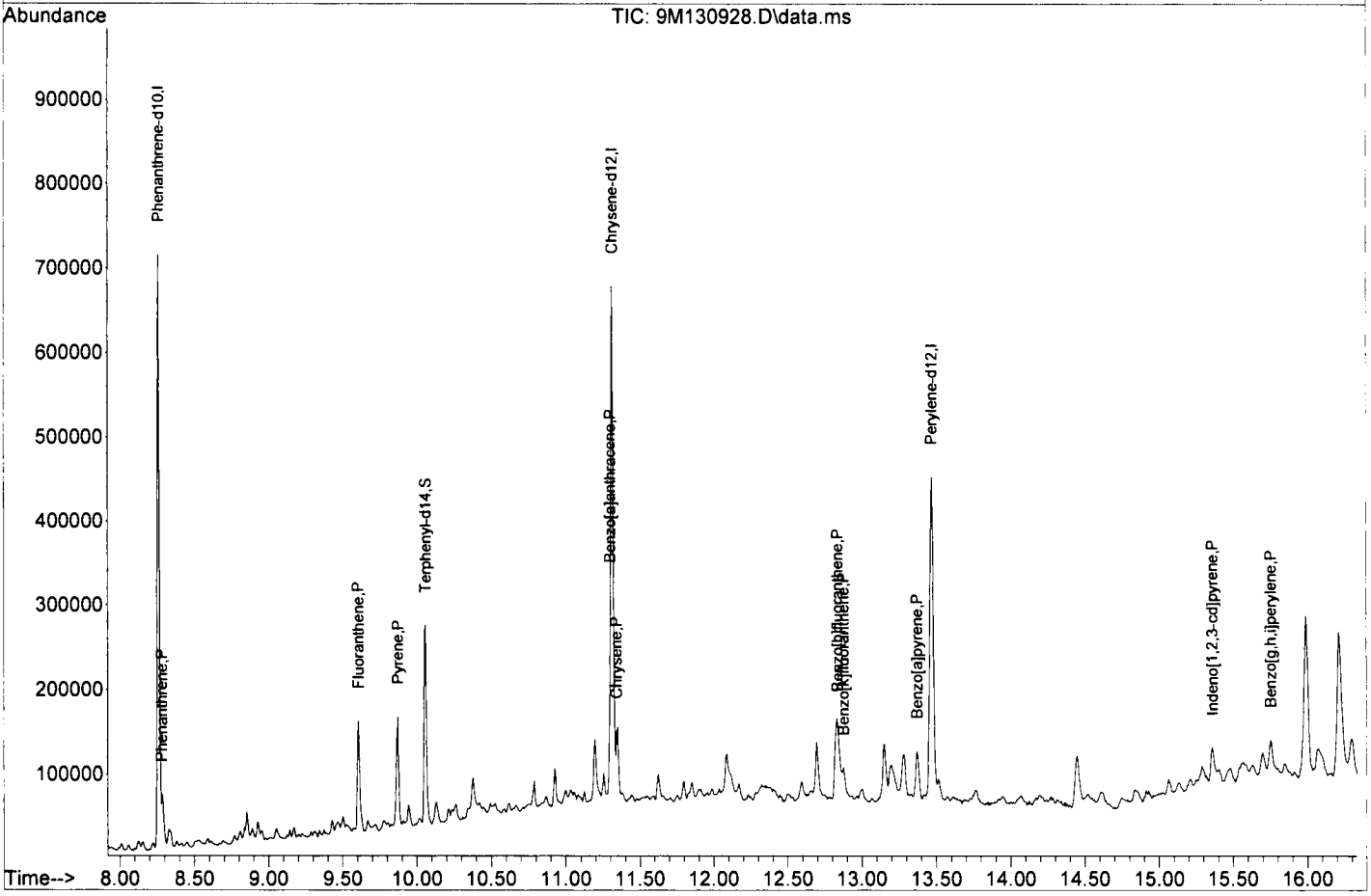
SampleID : AD48435-023(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130928.D Sam Mult : 1 Vial# : 47 Qt On : 12/06/24 09:27
Acq On : 12/ 6/24 02:50 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-0524\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	40750	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	74454	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	273209	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	154052	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	276247	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	235615	40.00	ng	-0.05
102) Perylene-d12	13.472	264	232635	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.355	112	56192	25.73	ng	-0.04
Spiked Amount 100.000			Recovery = 25.73%			
16) Phenol-d5	4.125	99	70775	24.67	ng	-0.03
Spiked Amount 100.000			Recovery = 24.67%			
32) Nitrobenzene-d5	4.866	128	15041	13.70	ng	-0.04
Spiked Amount 50.000			Recovery = 27.40%			
55) 2-Fluorobiphenyl	6.243	172	71315	14.80	ng	-0.04
Spiked Amount 50.000			Recovery = 29.60%			
79) 2,4,6-Tribromophenol	7.548	330	24133	34.50	ng	-0.04
Spiked Amount 100.000			Recovery = 34.50%			
93) Terphenyl-d14	10.060	244	81104	16.27	ng	-0.04
Spiked Amount 50.000			Recovery = 32.54%			
Target Compounds						Qvalue
85) Phenanthrene	8.284	178	23822	3.4955	ng	99
89) Fluoranthene	9.607	202	54568	7.4609	ng	93
91) Pyrene	9.872	202	54228	7.3246	ng	86
99) Benzo[a]anthracene	11.301	228	34876m	5.0326	ng	
100) Chrysene	11.342	228	35622m	5.4449	ng	
104) Benzo[b]fluoranthene	12.836	252	53011m	7.9377	ng	
105) Benzo[k]fluoranthene	12.877	252	16267m	2.2979	ng	
106) Benzo[a]pyrene	13.371	252	33809m	5.3775	ng	
107) Indeno[1,2,3-cd]pyrene	15.360	276	26428m	4.6735	ng	
109) Benzo[g,h,i]perylene	15.754	276	27023m	4.7370	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130928.D\data.ms
Quant QT Reviewed
SampleID : AD48435-023(3X)
Data File: 9M130928.D
Acq On : 12/ 6/24 02:50
Operator : AH/JB
Sam Mult : 1 Vial# : 47
Misc : S,BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/06/24 09:27
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M130928.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[b]fluoranthene,P
Benzo[k]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48435-024
Client Id: SB-09-0-2.0'
Data File: 9M130904.D
Analysis Date: 12/05/24 18:10
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.037	U	**50-32-8**	**Benzo[a]pyrene**	**0.037**	**0.063**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.037	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.037**	**0.091**
123-91-1	1,4-Dioxane	0.037	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.037**	**0.055**
58-90-2	2,3,4,6-Tetrachlorophenol	0.037	U	207-08-9	Benzo[k]fluoranthene	0.037	U
95-95-4	2,4,5-Trichlorophenol	0.037	U	111-91-1	bis(2-Chloroethoxy)methan	0.037	U
88-06-2	2,4,6-Trichlorophenol	0.037	U	111-44-4	bis(2-Chloroethyl)ether	0.014	U
120-83-2	2,4-Dichlorophenol	0.037	U	108-60-1	bis(2-chloroisopropyl)ether	0.037	U
105-67-9	2,4-Dimethylphenol	0.037	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.037	U
51-28-5	2,4-Dinitrophenol	0.18	U	85-68-7	Butylbenzylphthalate	0.037	U
121-14-2	2,4-Dinitrotoluene	0.037	U	105-60-2	Caprolactam	0.037	U
606-20-2	2,6-Dinitrotoluene	0.037	U	86-74-8	Carbazole	0.037	U
91-58-7	2-Chloronaphthalene	0.037	U	**218-01-9**	**Chrysene**	**0.037**	**0.061**
95-57-8	2-Chlorophenol	0.037	U	53-70-3	Dibenzo[a,h]anthracene	0.037	U
91-57-6	2-Methylnaphthalene	0.037	U	132-64-9	Dibenzofuran	0.037	U
95-48-7	2-Methylphenol	0.037	U	84-66-2	Diethylphthalate	0.037	U
88-74-4	2-Nitroaniline	0.037	U	131-11-3	Dimethylphthalate	0.037	U
88-75-5	2-Nitrophenol	0.037	U	84-74-2	Di-n-butylphthalate	0.18	U
106-44-5	3&4-Methylphenol	0.037	U	117-84-0	Di-n-octylphthalate	0.037	U
91-94-1	3,3'-Dichlorobenzidine	0.037	U	**206-44-0**	**Fluoranthene**	**0.037**	**0.090**
99-09-2	3-Nitroaniline	0.037	U	86-73-7	Fluorene	0.037	U
534-52-1	4,6-Dinitro-2-methylphenol	0.18	U	118-74-1	Hexachlorobenzene	0.037	U
101-55-3	4-Bromophenyl-phenylether	0.037	U	87-68-3	Hexachlorobutadiene	0.037	U
59-50-7	4-Chloro-3-methylphenol	0.037	U	77-47-4	Hexachlorocyclopentadiene	0.18	U
106-47-8	4-Chloroaniline	0.037	U	67-72-1	Hexachloroethane	0.037	U
7005-72-3	4-Chlorophenyl-phenylether	0.037	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.037**	**0.057**
100-01-6	4-Nitroaniline	0.037	U	78-59-1	Isophorone	0.037	U
100-02-7	4-Nitrophenol	0.037	U	91-20-3	Naphthalene	0.037	U
83-32-9	Acenaphthene	0.037	U	98-95-3	Nitrobenzene	0.037	U
208-96-8	Acenaphthylene	0.037	U	621-64-7	N-Nitroso-di-n-propylamine	0.037	U
98-86-2	Acetophenone	0.037	U	86-30-6	n-Nitrosodiphenylamine	0.037	U
120-12-7	Anthracene	0.037	U	87-86-5	Pentachlorophenol	0.18	U
1912-24-9	Atrazine	0.037	U	**85-01-8**	**Phenanthrene**	**0.037**	**0.042**
100-52-7	Benzaldehyde	0.037	U	108-95-2	Phenol	0.037	U
56-55-3	**Benzo[a]anthracene**	**0.037**	**0.059**	**129-00-0**	**Pyrene**	**0.037**	**0.081**

Worksheet #: 764414 ***Total Target Concentration*** 0.6 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

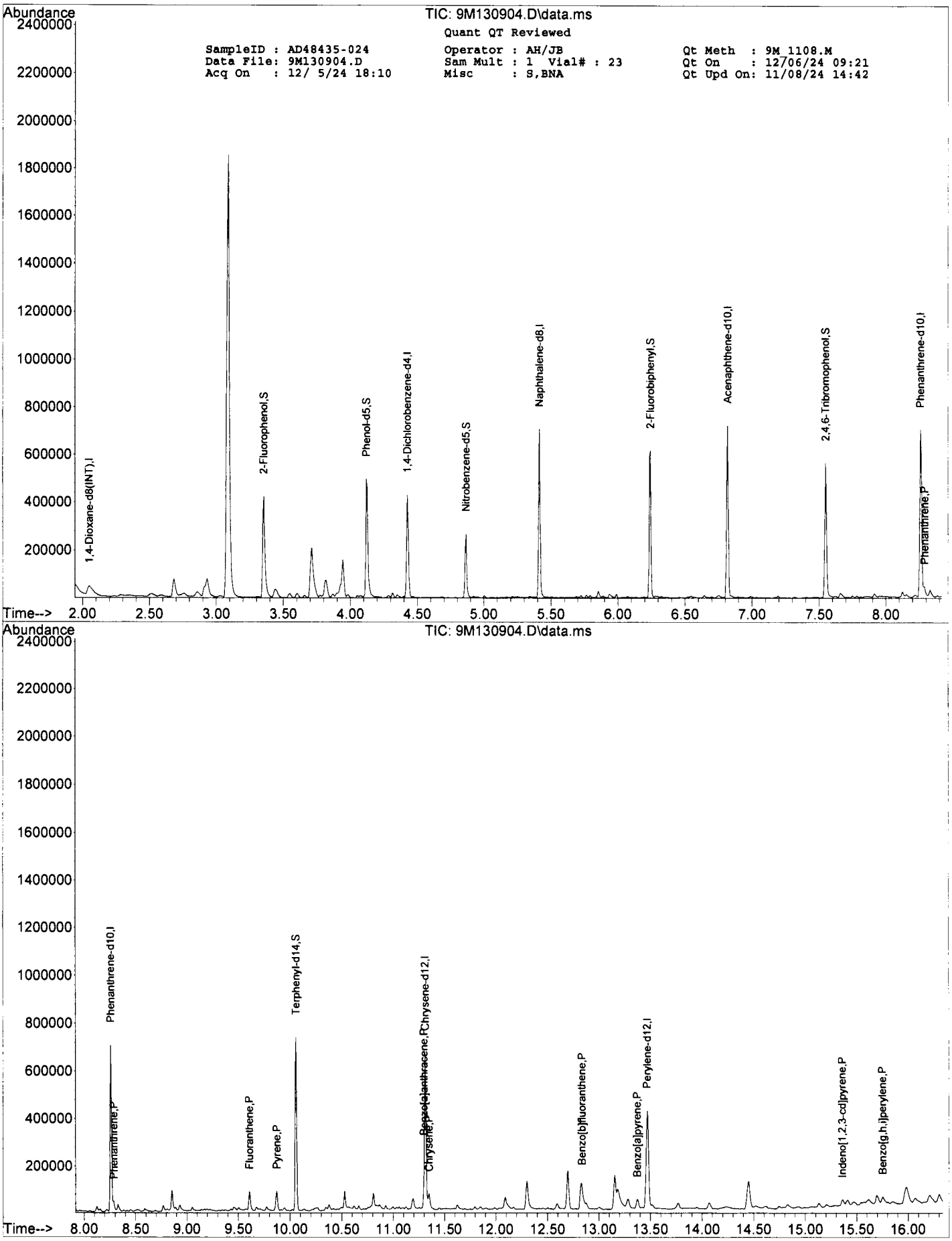
Quantitation Report (QT Reviewed)

SampleID : AD48435-024 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130904.D Sam Mult : 1 Vial# : 23 Qt On : 12/06/24 09:21
Acq On : 12/ 5/24 18:10 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-0524\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.049	96	39468	40.00	ng	-0.06
21) 1,4-Dichlorobenzene-d4	4.425	152	69623	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	264077	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	151657	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	272946	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	245870	40.00	ng	-0.05
102) Perylene-d12	13.471	264	243366	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	151376	71.55	ng	-0.04
Spiked Amount 100.000			Recovery = 71.55%			
16) Phenol-d5	4.119	99	196613	70.76	ng	-0.04
Spiked Amount 100.000			Recovery = 70.76%			
32) Nitrobenzene-d5	4.866	128	40068	37.75	ng	-0.04
Spiked Amount 50.000			Recovery = 75.50%			
55) 2-Fluorobiphenyl	6.243	172	193573	40.81	ng	-0.04
Spiked Amount 50.000			Recovery = 81.62%			
79) 2,4,6-Tribromophenol	7.548	330	71385	103.28	ng	-0.04
Spiked Amount 100.000			Recovery = 103.28%			
93) Terphenyl-d14	10.060	244	240067	46.15	ng	-0.04
Spiked Amount 50.000			Recovery = 92.30%			
Target Compounds						Qvalue
85) Phenanthrene	8.289	178	15541	2.3079	ng	100
89) Fluoranthene	9.607	202	35331	4.8891	ng	93
91) Pyrene	9.872	202	34281	4.4373	ng	86
99) Benzo[a]anthracene	11.301	228	23184m	3.2059	ng	
100) Chrysene	11.348	228	22833m	3.3445	ng	
104) Benzo[b]fluoranthene	12.836	252	34861m	4.9898	ng	
106) Benzo[a]pyrene	13.371	252	22750m	3.4589	ng	
107) Indeno[1,2,3-cd]pyrene	15.360	276	18266m	3.0877	ng	
109) Benzo[g,h,i]perylene	15.754	276	17789m	2.9808	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


TIC: 9M130904.D\data.ms
Quant QT Reviewed
SampleID : AD48435-024
Data File: 9M130904.D
Acq On : 12/ 5/24 18:10
Operator : AH/JB
Sam Mult : 1 Vial# : 23
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/06/24 09:21
Qt Upd On: 11/08/24 14:42
Abundance
Time-->
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
TIC: 9M130904.D\data.ms
Abundance
Time-->
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[b]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P

Form1

ORGANICS PCB REPORT

Sample Number: AD48435-001
Client Id: SB-01-0-2.0'
Data File: 5G1109431.D
Analysis Date: 12/06/24 09:59
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.029	U	11097-69-1	Aroclor-1254	0.029	U
11104-28-2	Aroclor-1221	0.029	U	11096-82-5	Aroclor-1260	0.029	U
11141-16-5	Aroclor-1232	0.029	U	37324-23-5	Aroclor-1262	0.029	U
53469-21-9	Aroclor-1242	0.029	U	**11100-14-4**	**(^)Aroclor-1268**	**0.029**	**0.12**
12672-29-6	Aroclor-1248	0.029	U	**1336-36-3**	**Aroclor (Total)**	**0.029**	**0.12**

Worksheet #: 764335

Total Target Concentration 0.12

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109431.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 09:59:36
Operator : PR/KM/AH
Sample : AD48435-001
Misc : S,PCB
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:42:05 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

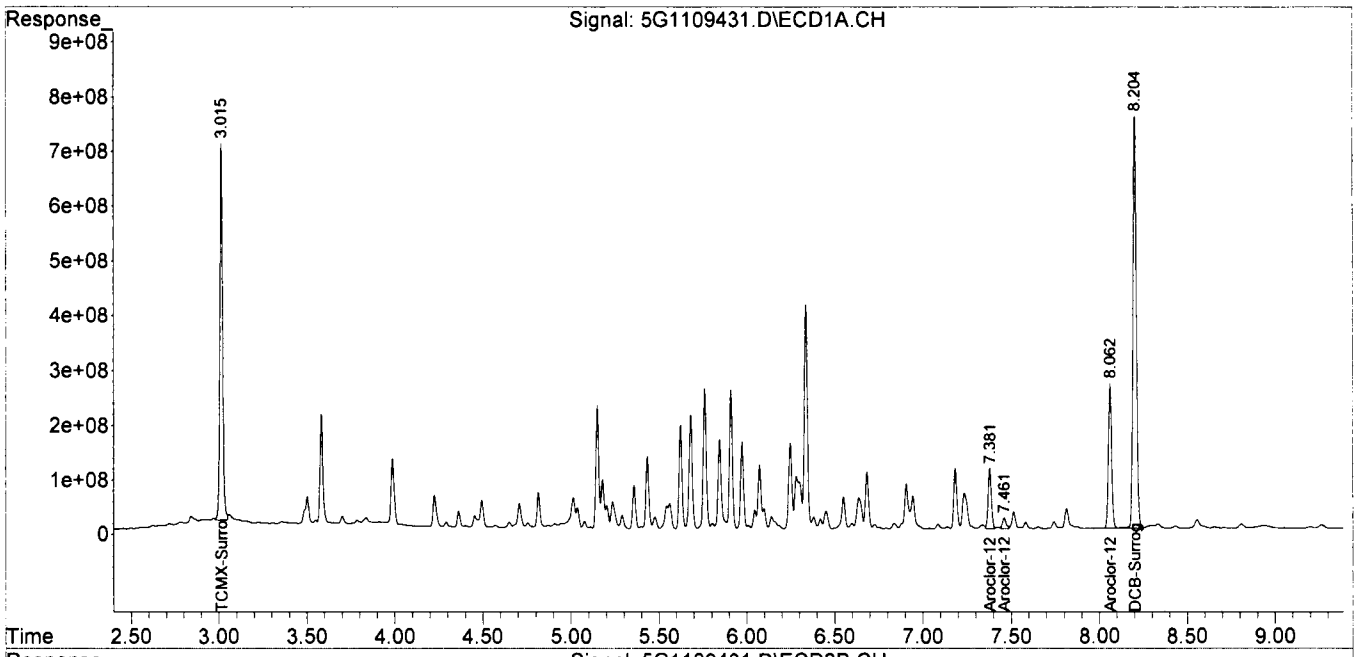
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.015	3.280	7501.7E6	3047.8E6	93.084m	101.106
42)Aroclor-1268 {3}	7.381	8.050	1412.8E6	517.8E6	219.302	247.773
43)Aroclor-1268 {4}	7.462	8.175	292.1E6	103.6E6	178.091	197.963
44)Aroclor-1268 {5}	8.063	8.684	3419.2E6	1259.3E6	178.084	186.614
45)DCB-Surrogate	8.205	9.109	10236.9E6	3876.9E6	193.368	206.426

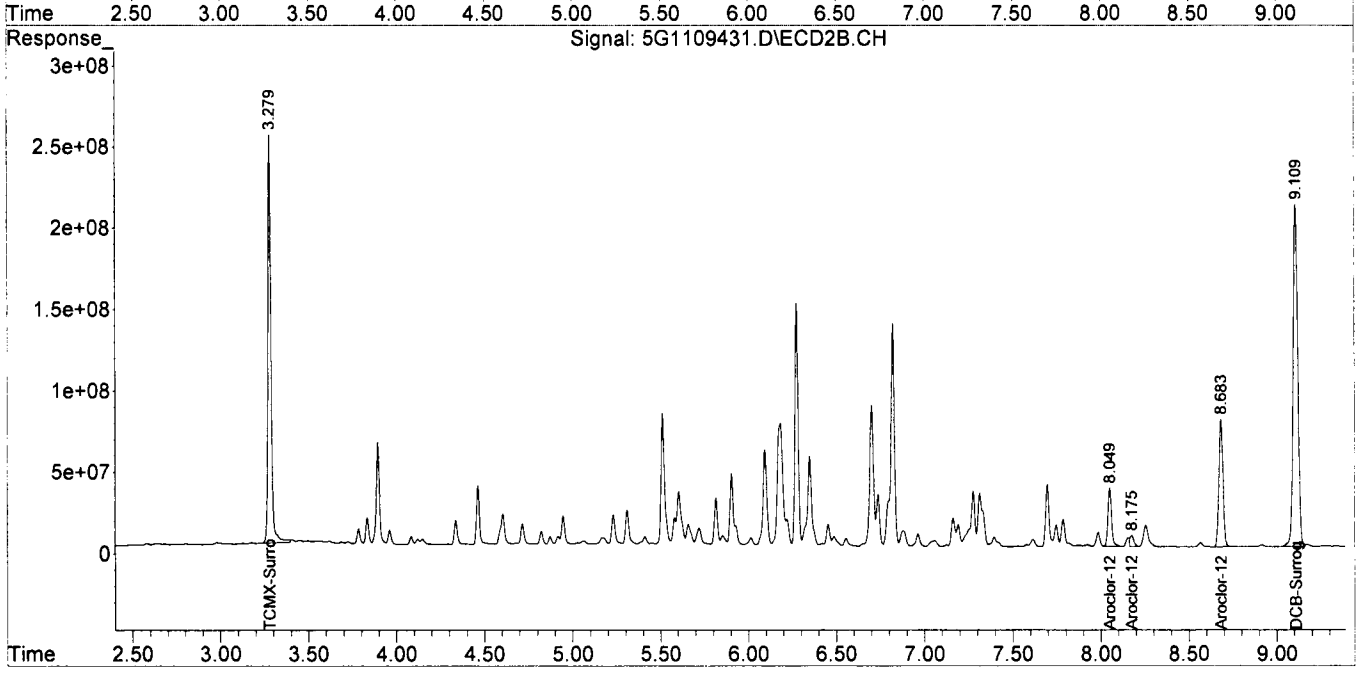
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109431.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 09:59:36
Operator : PR/KM/AH
Sample : AD48435-001
Misc : S,PCB
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:42:05 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-002
Client Id: SB-02-0-2.0'
Data File: 5G1109432.D
Analysis Date: 12/06/24 10:12
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 87

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.029	U	11097-69-1	Aroclor-1254	0.029	U
11104-28-2	Aroclor-1221	0.029	U	**11096-82-5**	**Aroclor-1260**	**0.029**	**0.082**
11141-16-5	Aroclor-1232	0.029	U	37324-23-5	Aroclor-1262	0.029	U
53469-21-9	Aroclor-1242	0.029	U	11100-14-4	Aroclor-1268	0.029	U
12672-29-6	Aroclor-1248	0.029	U	**1336-36-3**	**Aroclor (Total)**	**0.029**	**0.082**

Worksheet #: 764335

Total Target Concentration 0.082

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109432.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 10:12:21
Operator : PR/KM/AH
Sample : AD48435-002
Misc : S,PCB
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:42:35 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

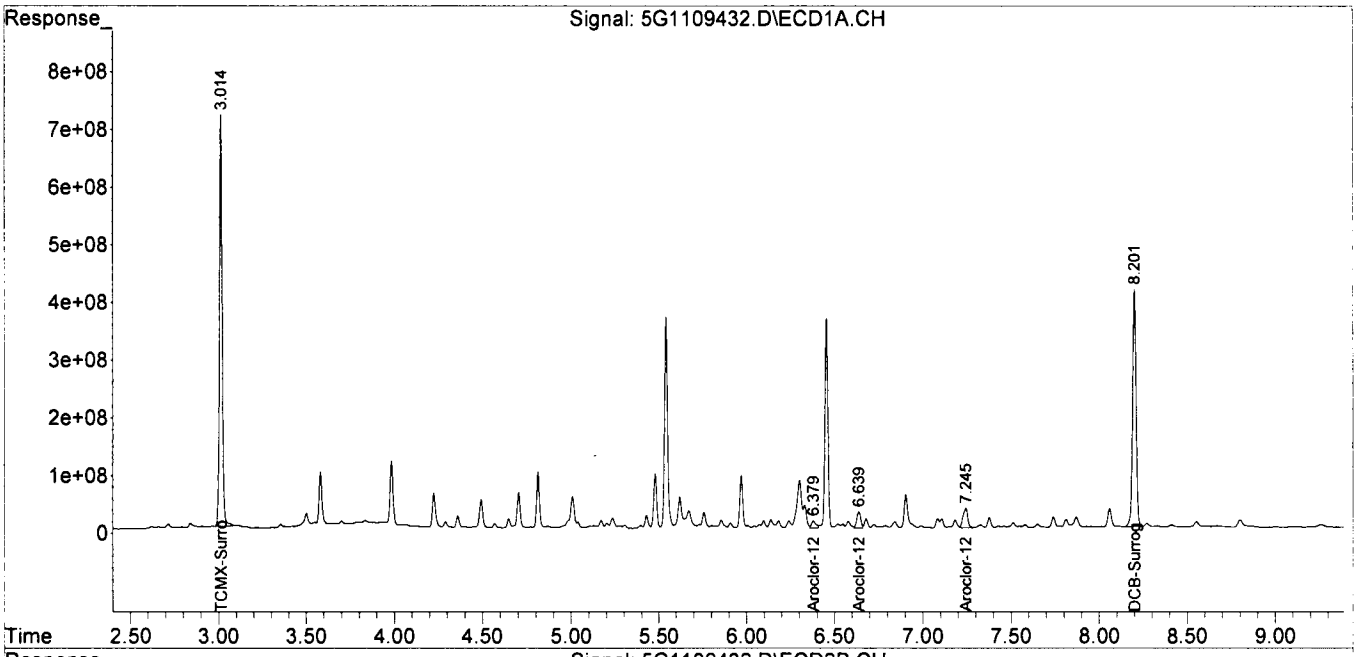
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.014	3.281	7716.0E6	3059.8E6	95.742	101.504
9)Aroclor-1260 {3}	6.380	7.191	215.4E6	104.2E6	143.481	122.155
10)Aroclor-1260 {4}	6.639	7.787	430.0E6	139.7E6	145.997	136.236
11)Aroclor-1260 {5}	7.245	8.256	620.6E6	89171210	141.130	144.733
45)DCB-Surrogate	8.201	9.110	5783.4E6	2227.1E6	109.244	118.581

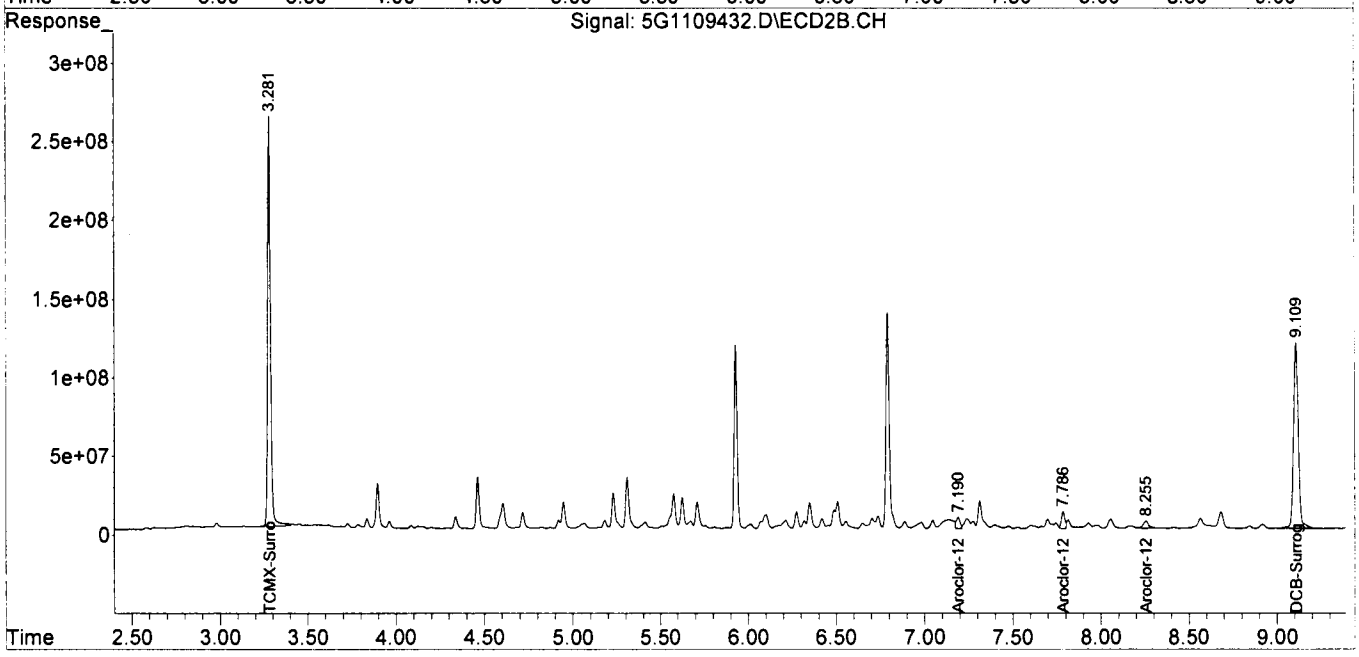
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109432.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 10:12:21
Operator : PR/KM/AH
Sample : AD48435-002
Misc : S,PCB
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:42:35 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-003
Client Id: SB-02-0-2.0' DUP
Data File: 5G1109433.D
Analysis Date: 12/06/24 10:25
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.028	U	11097-69-1	Aroclor-1254	0.028	U
11104-28-2	Aroclor-1221	0.028	U	**11096-82-5**	**Aroclor-1260**	**0.028**	**0.074**
11141-16-5	Aroclor-1232	0.028	U	37324-23-5	Aroclor-1262	0.028	U
53469-21-9	Aroclor-1242	0.028	U	11100-14-4	Aroclor-1268	0.028	U
12672-29-6	Aroclor-1248	0.028	U	**1336-36-3**	**Aroclor (Total)**	**0.028**	**0.074**

Worksheet #: 764335

Total Target Concentration 0.074

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109433.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 10:25:05
Operator : PR/KM/AH
Sample : AD48435-003
Misc : S,PCB
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:43:12 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

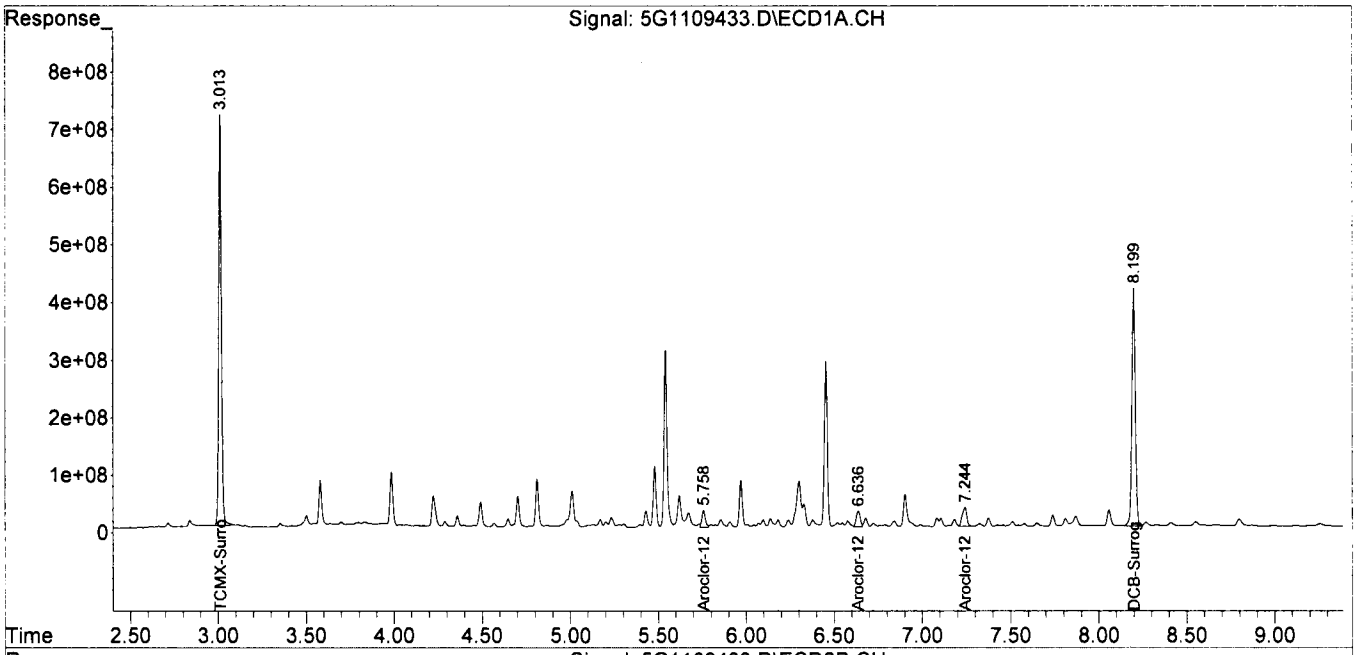
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.014	3.281	7599.1E6	2990.2E6	94.293	99.195
7)	Aroclor-1260 {1}	5.758	6.275	390.5E6	140.0E6	115.676	112.406
10)	Aroclor-1260 {4}	6.637	7.785	430.2E6	141.0E6	146.076	137.509
11)	Aroclor-1260 {5}	7.244	8.254	607.1E6	80232128	138.063	130.224
45)	DCB-Surrogate	8.200	9.108	5660.9E6	2161.5E6	106.930	115.090

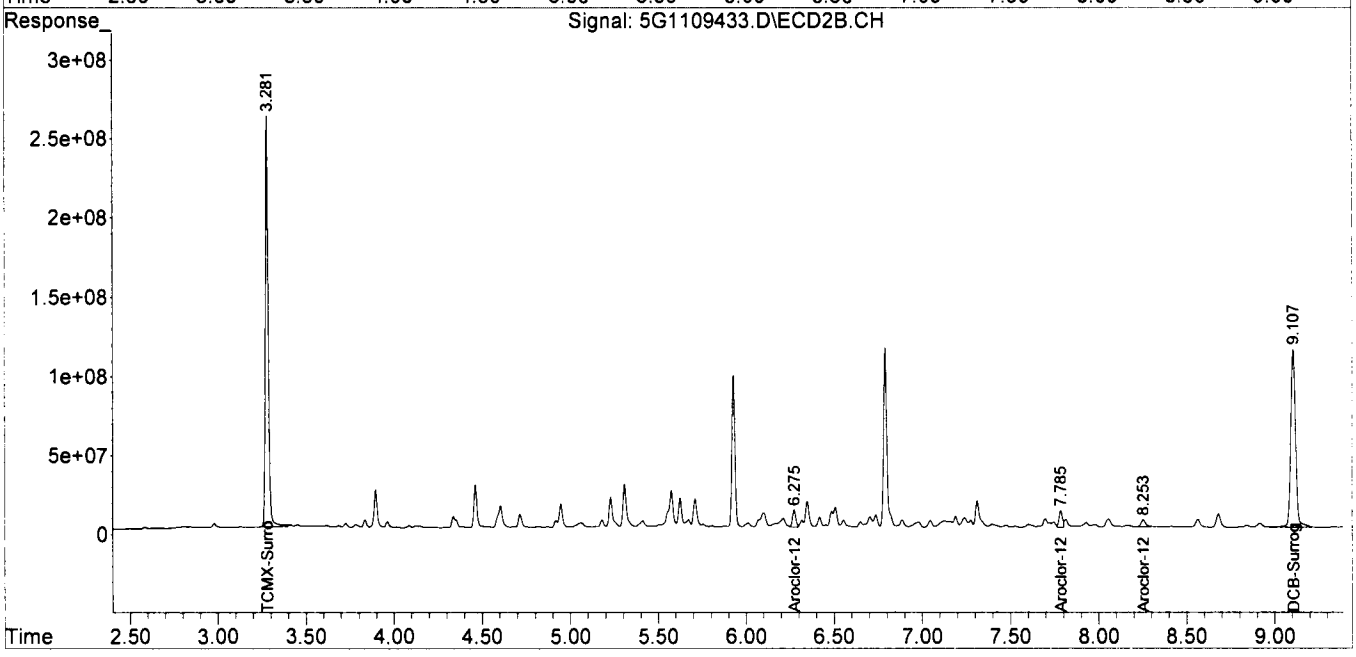
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109433.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 10:25:05
Operator : PR/KM/AH
Sample : AD48435-003
Misc : S,PCB
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:43:12 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-004
Client Id: SB-03-0-2.0'
Data File: 5G1109434.D
Analysis Date: 12/06/24 10:37
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.028	U	11097-69-1	Aroclor-1254	0.028	U
11104-28-2	Aroclor-1221	0.028	U	**11096-82-5**	**(^)Aroclor-1260**	**0.028**	**0.086**
11141-16-5	Aroclor-1232	0.028	U	37324-23-5	Aroclor-1262	0.028	U
53469-21-9	Aroclor-1242	0.028	U	11100-14-4	Aroclor-1268	0.028	U
12672-29-6	Aroclor-1248	0.028	U	**1336-36-3**	**Aroclor (Total)**	**0.028**	**0.086**

Worksheet #: 764335

Total Target Concentration 0.086

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109434.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 10:37:58
Operator : PR/KM/AH
Sample : AD48435-004
Misc : S,PCB
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:44:26 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.013	3.281	8057.4E6	3066.8E6	99.979	101.737
9)Aroclor-1260 {3}	6.378	7.192	217.6E6	117.5E6	144.958	137.639
10)Aroclor-1260 {4}	6.635	7.786	430.9E6	172.9E6	146.319	168.627
11)Aroclor-1260 {5}	7.244	8.255	669.1E6	93010128	152.180	150.964
45)DCB-Surrogate	8.200	9.109	5541.7E6	2109.5E6	104.680	112.319

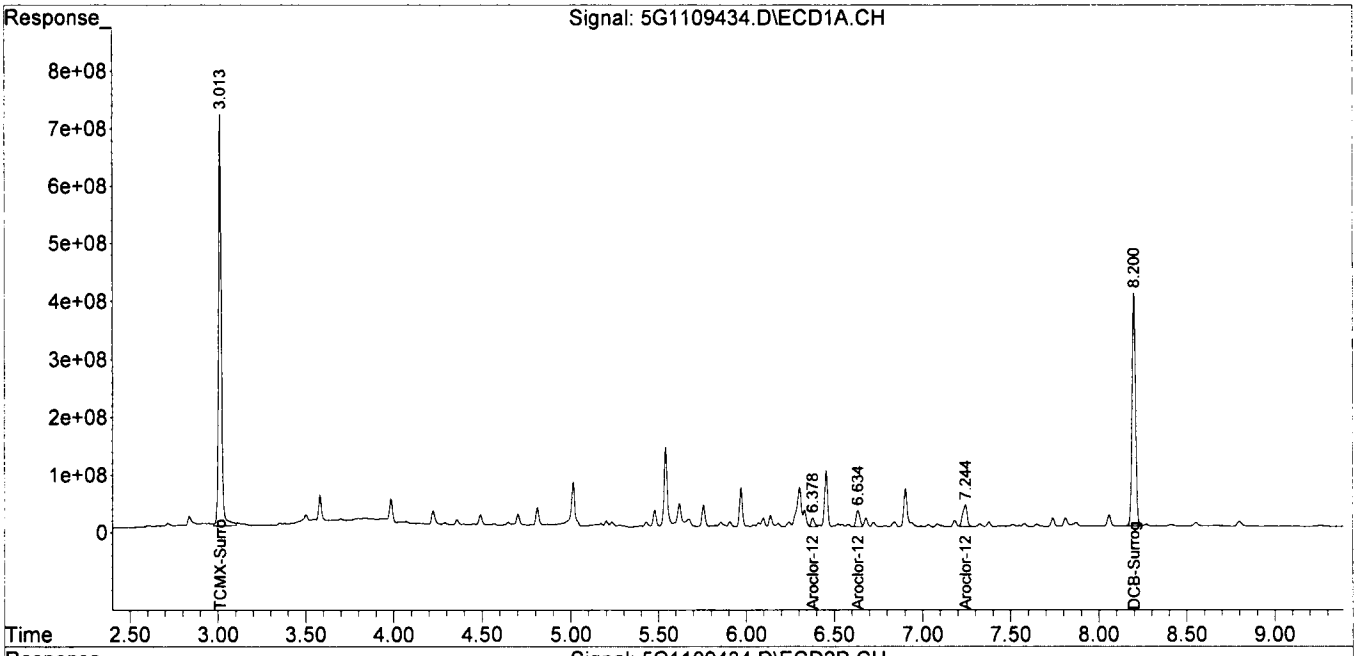
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

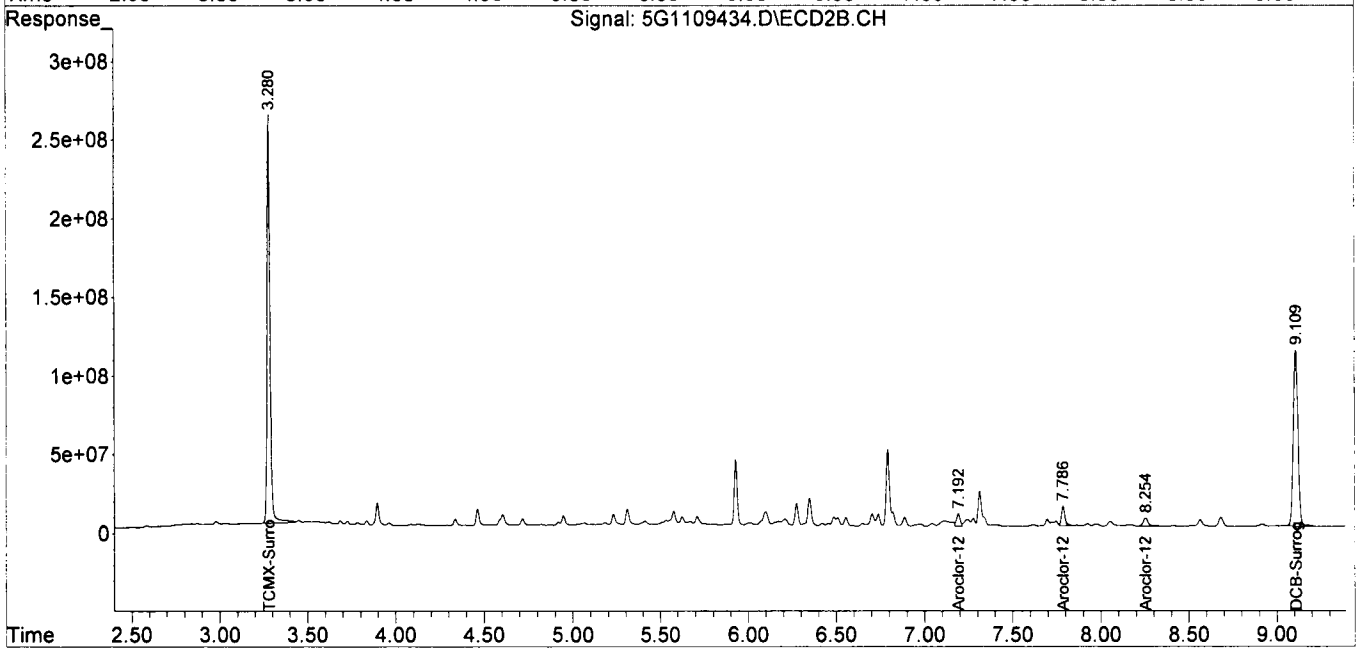
Eric

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109434.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 10:37:58
Operator : PR/KM/AH
Sample : AD48435-004
Misc : S,PCB
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:44:26 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-005
Client Id: SB-04-0-2.0'
Data File: 2G198116.D
Analysis Date: 12/06/24 14:26
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 71

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.035	U	11097-69-1	Aroclor-1254	0.035	U
11104-28-2	Aroclor-1221	0.035	U	**11096-82-5**	**Aroclor-1260**	**0.035**	**0.11**
11141-16-5	Aroclor-1232	0.035	U	37324-23-5	Aroclor-1262	0.035	U
53469-21-9	Aroclor-1242	0.035	U	11100-14-4	Aroclor-1268	0.035	U
12672-29-6	Aroclor-1248	0.035	U	**1336-36-3**	**Aroclor (Total)**	**0.035**	**0.11**

Worksheet #: 764404

Total Target Concentration 0.11

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-06-24\
Data File : 2G198116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:26
Operator : AH/PR/KM
Sample : AD48435-005
Misc : S,PCB
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:42:51 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.030	3.236	933.8E6	1361.0E6	103.075	103.652
7)Aroclor-1260 {1}	5.816	6.258	63123864	93436251	159.645	153.009
9)Aroclor-1260 {3}	6.443	7.185	28768768	55651722	151.324m	131.659m
11)Aroclor-1260 {5}	7.318	8.260	78795743	45157185	148.085	147.329
45)DCB-Surrogate	8.295	9.112	823.2E6	1131.5E6	114.304	116.036

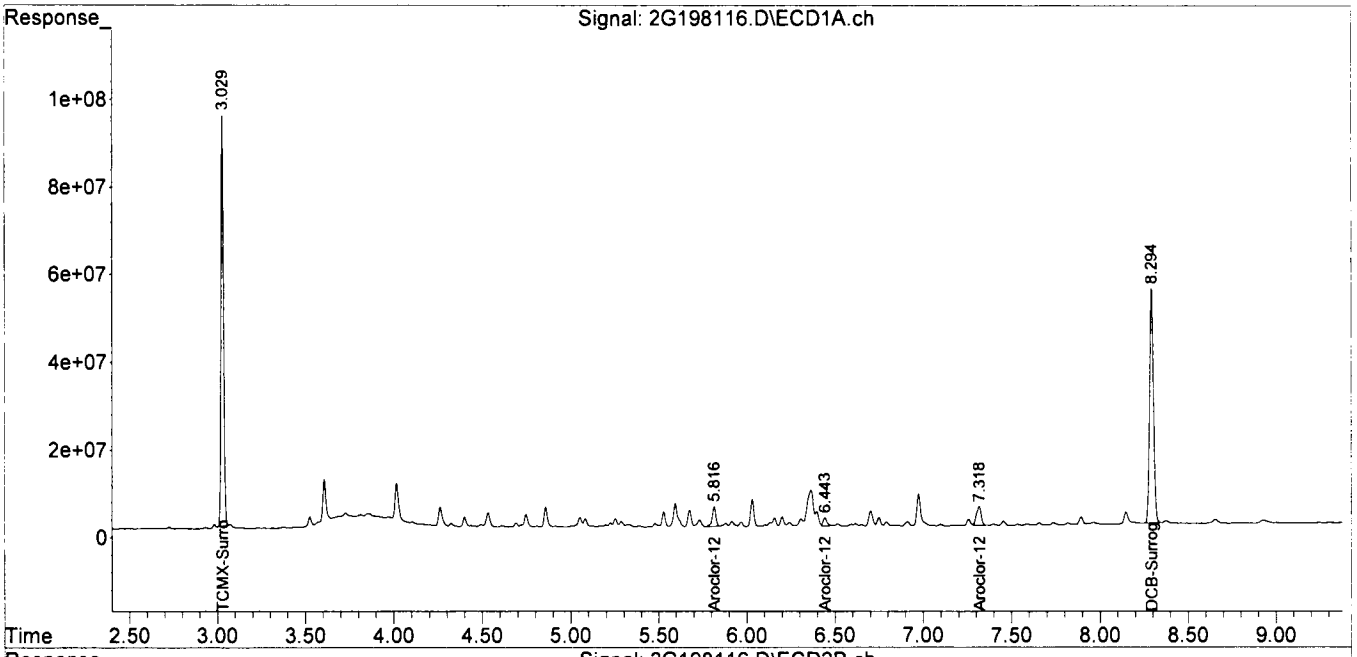
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

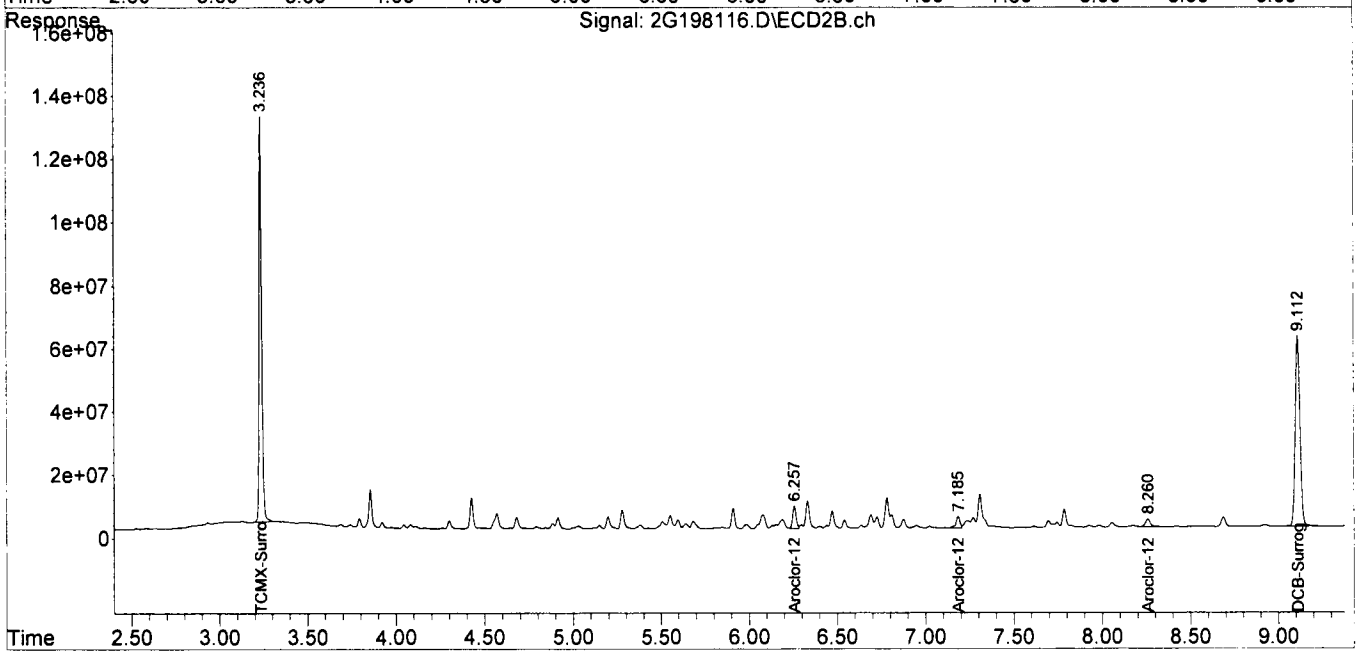
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-06-24\
Data File : 2G198116.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:26
Operator : AH/PR/KM
Sample : AD48435-005
Misc : S,PCB
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:42:51 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-006
Client Id: SB-01-5.5-6.0'
Data File: 5G1109435.D
Analysis Date: 12/06/24 10:50
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 83

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.030	U	11097-69-1	Aroclor-1254	0.030	U
11104-28-2	Aroclor-1221	0.030	U	11096-82-5	Aroclor-1260	0.030	U
11141-16-5	Aroclor-1232	0.030	U	37324-23-5	Aroclor-1262	0.030	U
53469-21-9	Aroclor-1242	0.030	U	**11100-14-4**	**Aroclor-1268**	**0.030**	**0.60**
12672-29-6	Aroclor-1248	0.030	U	**1336-36-3**	**Aroclor (Total)**	**0.030**	**0.60**

Worksheet #: 764335

Total Target Concentration 0.6

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109435.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 10:50:42
Operator : PR/KM/AH
Sample : AD48435-006
Misc : S,PCB
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:45:06 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

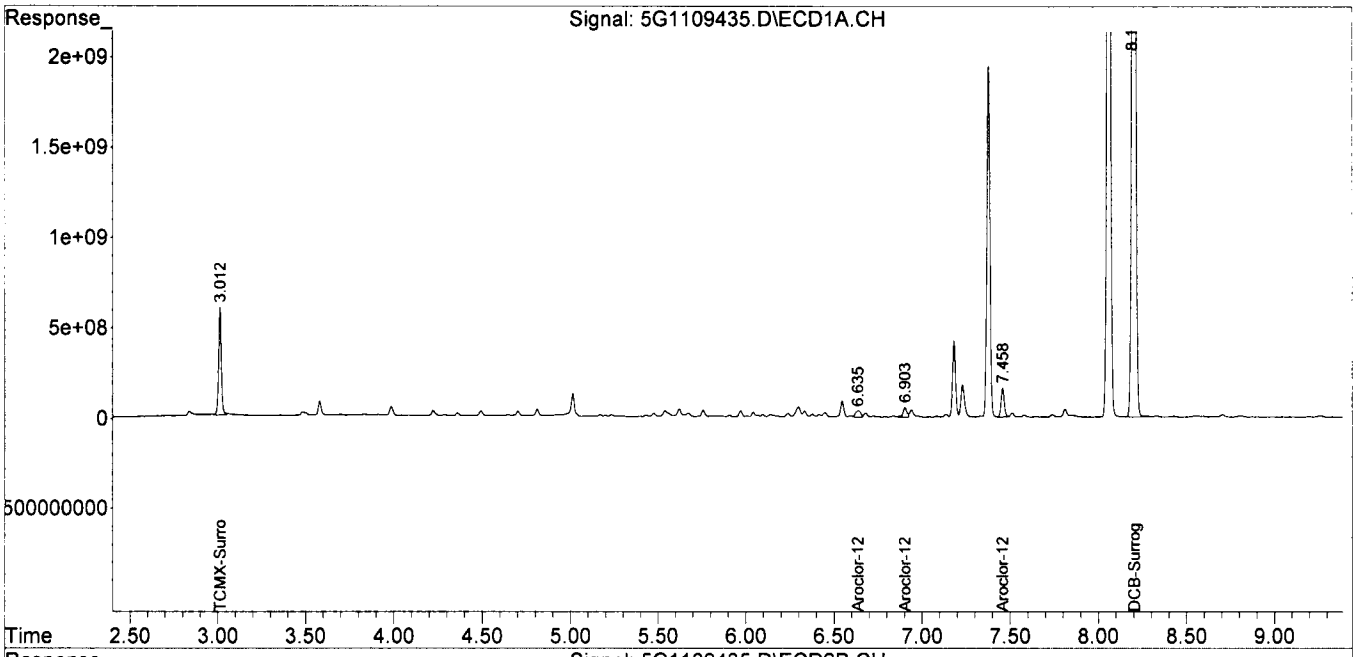
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2	
	Target Compounds							
1)	TCMX-Surrogate	3.013	3.281	6429.8E6	2688.3E6	79.783	89.180	
40)	Aroclor-1268 {1}	6.637	7.275	707.7E6	106.9E6	982.016	567.696	#
41)	Aroclor-1268 {2}	6.904	7.314	799.3E6	247.6E6	750.382	877.962	m
43)	Aroclor-1268 {4}	7.458	8.176	2026.5E6	737.9E6	1235.593	1410.086	m
45)	DCB-Surrogate	8.212	9.111	45439.6E6	26578.6E6	858.323	1415.188	#

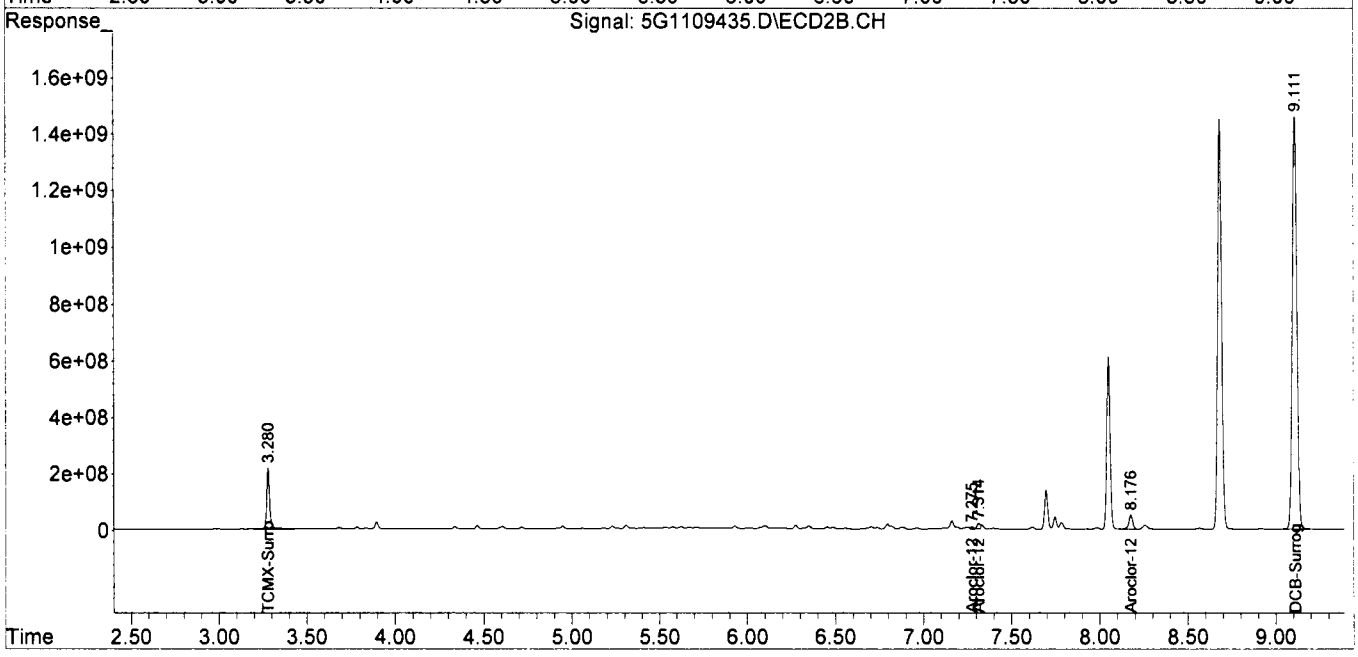
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109435.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 10:50:42
Operator : PR/KM/AH
Sample : AD48435-006
Misc : S,PCB
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:45:06 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-008
Client Id: SB-06-0-2.0'
Data File: 5G1109436.D
Analysis Date: 12/06/24 11:03
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.029	U	11097-69-1	Aroclor-1254	0.029	U
11104-28-2	Aroclor-1221	0.029	U	11096-82-5	Aroclor-1260	0.029	U
11141-16-5	Aroclor-1232	0.029	U	37324-23-5	Aroclor-1262	0.029	U
53469-21-9	Aroclor-1242	0.029	U	11100-14-4	Aroclor-1268	0.029	U
12672-29-6	Aroclor-1248	0.029	U	1336-36-3	Aroclor (Total)	0.029	U

Worksheet #: 764335

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109436.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 11:03:30
Operator : PR/KM/AH
Sample : AD48435-008
Misc : S,PCB
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 11:34:43 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

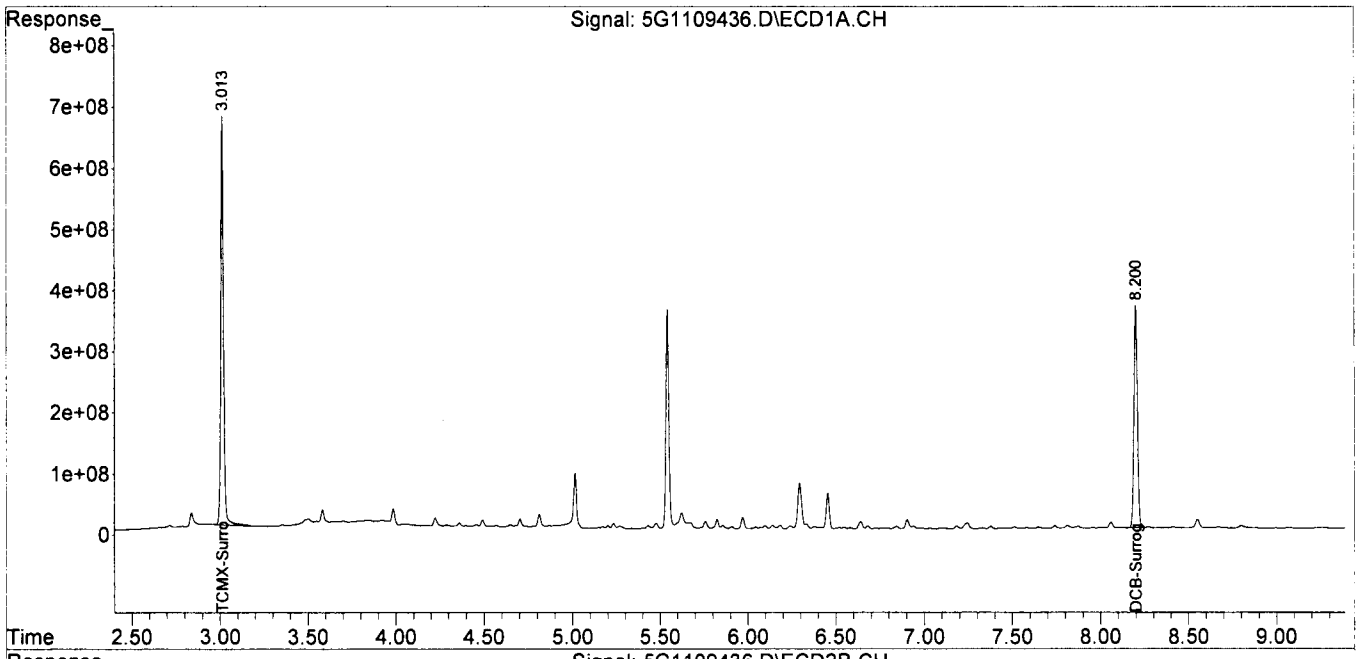
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.013	3.280	7480.8E6	2813.2E6	92.824	93.323m
45)	DCB-Surrogate	8.200	9.109	5001.7E6	1871.0E6	94.479	99.624

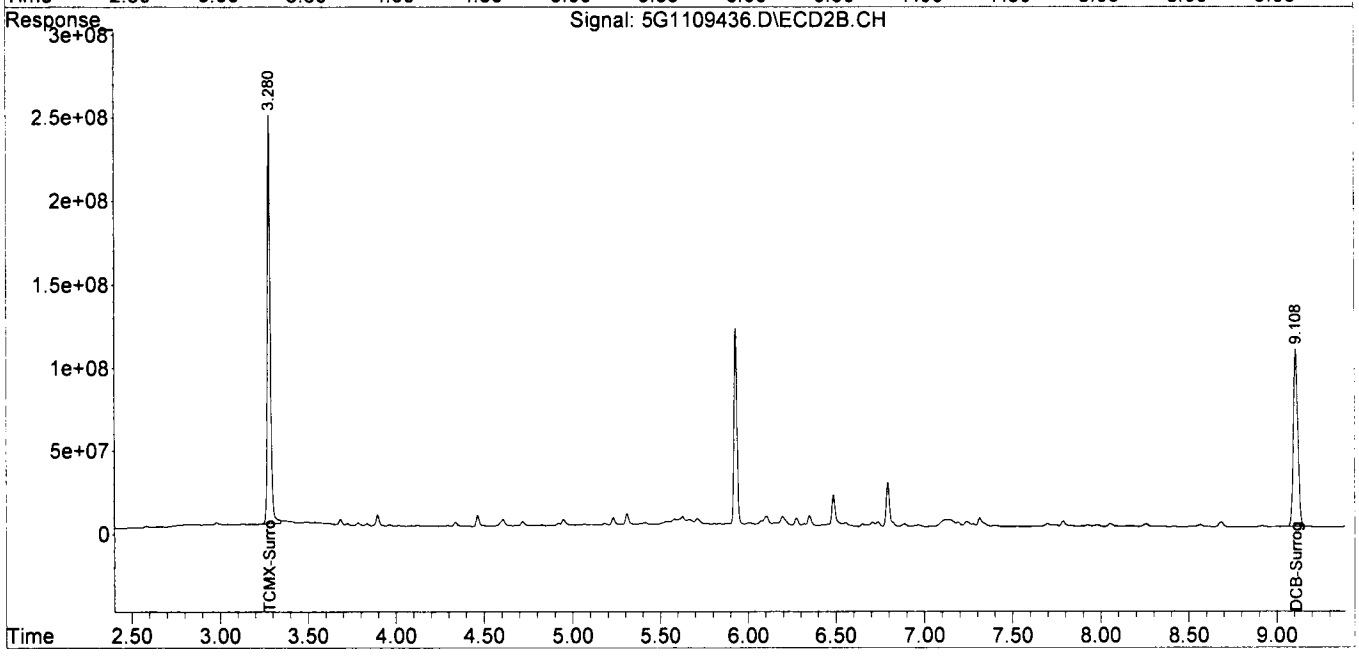
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109436.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 11:03:30
Operator : PR/KM/AH
Sample : AD48435-008
Misc : S,PCB
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 11:34:43 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-009
Client Id: SB-16-0-2.0'
Data File: 5G1109437.D
Analysis Date: 12/06/24 11:16
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.028	U	11097-69-1	Aroclor-1254	0.028	U
11104-28-2	Aroclor-1221	0.028	U	11096-82-5	Aroclor-1260	0.028	U
11141-16-5	Aroclor-1232	0.028	U	**37324-23-5**	**Aroclor-1262**	**0.028**	**0.039**
53469-21-9	Aroclor-1242	0.028	U	11100-14-4	Aroclor-1268	0.028	U
12672-29-6	Aroclor-1248	0.028	U	**1336-36-3**	**Aroclor (Total)**	**0.028**	**0.039**

Worksheet #: 764335

Total Target Concentration 0.039

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109437.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 11:16:14
Operator : PR/KM/AH
Sample : AD48435-009
Misc : S,PCB
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 11:36:35 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

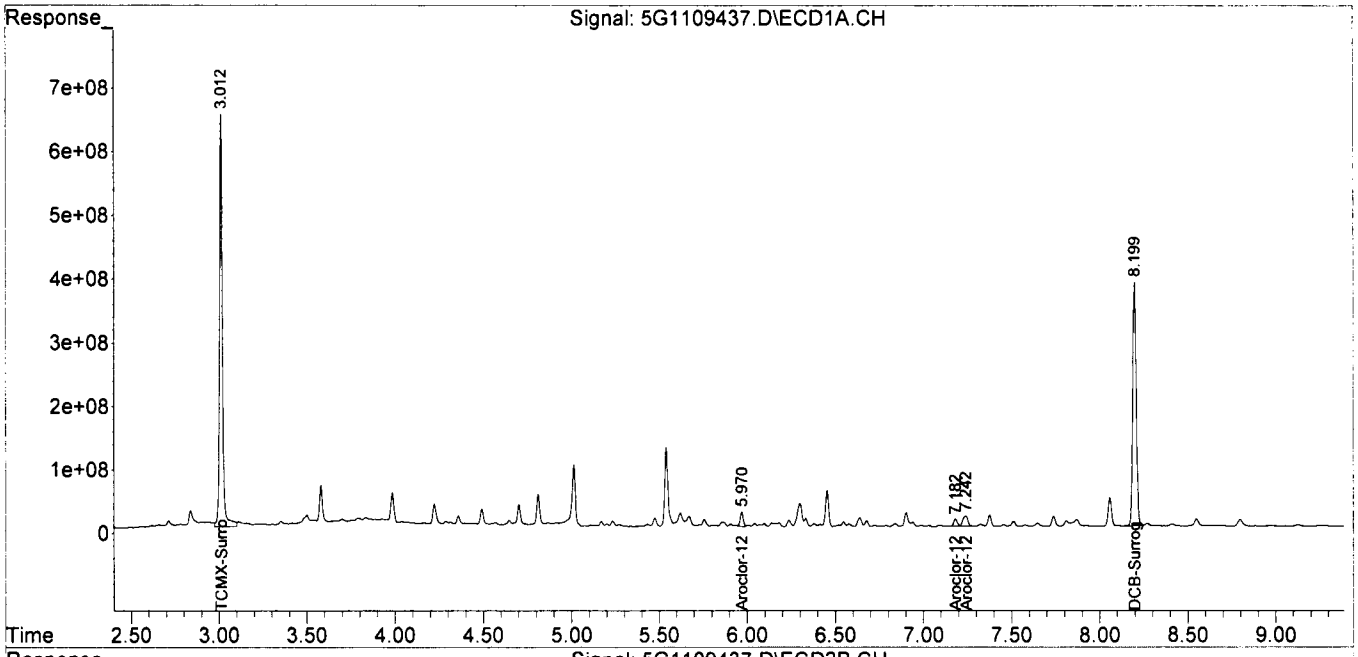
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.012	3.280	7467.0E6	2719.9E6	92.653	90.230m
35)	Aroclor-1262 {1}	5.970	6.706	276.8E6	44027986	89.375	55.157m#
36)	Aroclor-1262 {2}	7.182	7.697	157.6E6	67852634	56.459	71.151m#
37)	Aroclor-1262 {3}	7.242	7.786	325.0E6	60817598	59.520	60.119m
45)	DCB-Surrogate	8.199	9.109	5357.1E6	1976.1E6	101.192	105.217

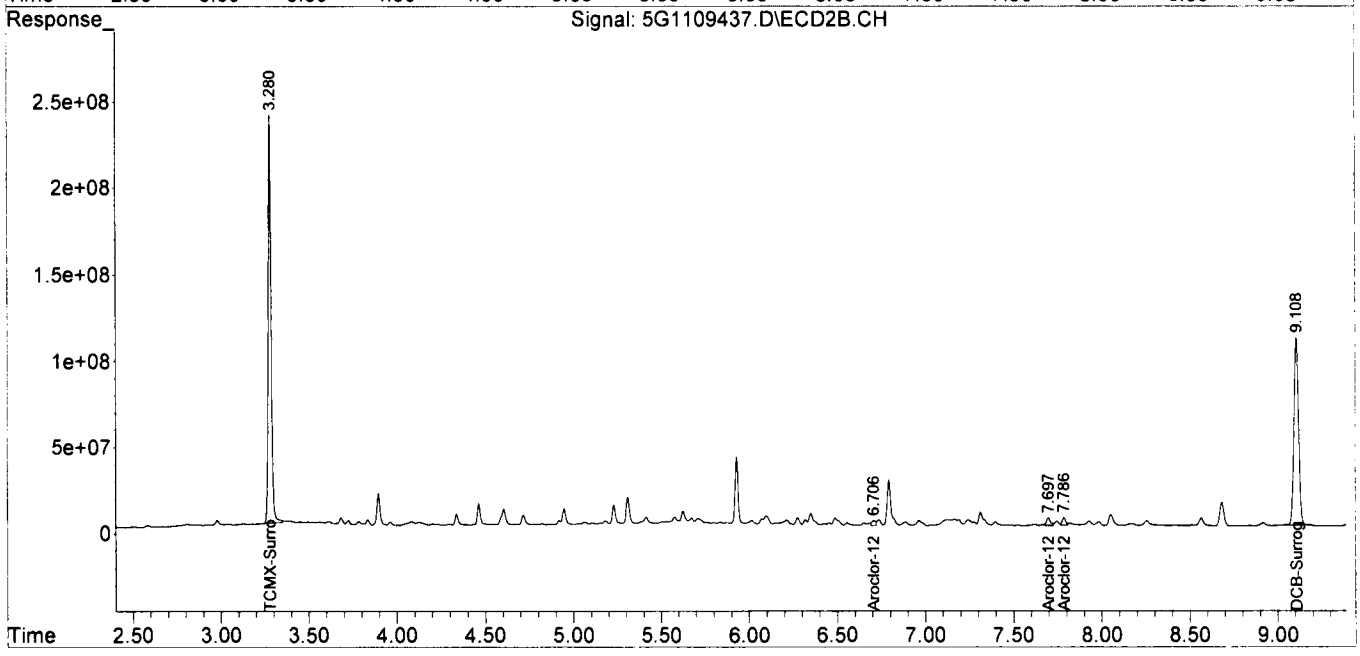
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109437.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 11:16:14
Operator : PR/KM/AH
Sample : AD48435-009
Misc : S,PCB
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 11:36:35 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-010
Client Id: SB-21-0-2.0'
Data File: 5G1109438.D
Analysis Date: 12/06/24 11:29
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.028	U	11097-69-1	Aroclor-1254	0.028	U
11104-28-2	Aroclor-1221	0.028	U	**11096-82-5**	**Aroclor-1260**	**0.028**	**0.11**
11141-16-5	Aroclor-1232	0.028	U	37324-23-5	Aroclor-1262	0.028	U
53469-21-9	Aroclor-1242	0.028	U	11100-14-4	Aroclor-1268	0.028	U
12672-29-6	Aroclor-1248	0.028	U	**1336-36-3**	**Aroclor (Total)**	**0.028**	**0.11**

Worksheet #: 764335

Total Target Concentration 0.11

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109438.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 11:29:00
Operator : PR/KM/AH
Sample : AD48435-010
Misc : S,PCB
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 12:08:37 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

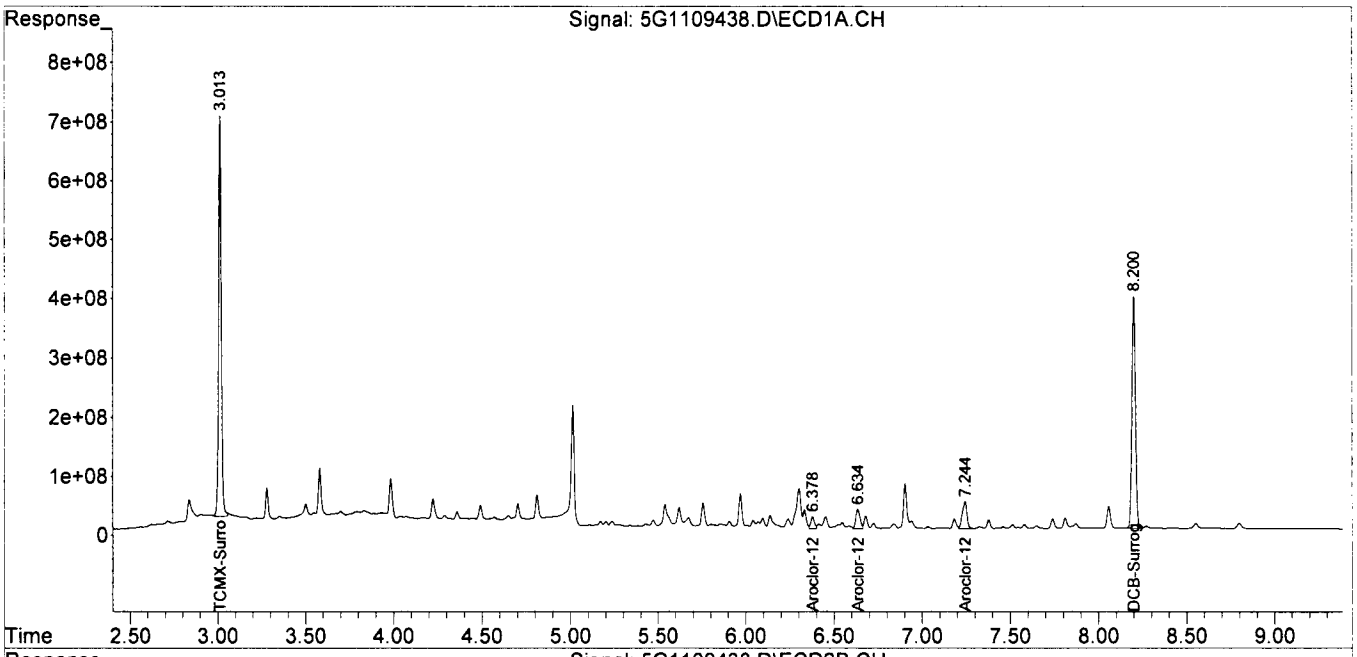
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.013	3.280	7201.6E6	2825.1E6	89.360m	93.718m
9)Aroclor-1260 {3}	6.378	7.192	289.8E6	160.9E6	193.098	188.552m
10)Aroclor-1260 {4}	6.635	7.787	537.4E6	200.2E6	182.453	195.295m
11)Aroclor-1260 {5}	7.244	8.256	833.6E6	112.3E6	189.589	182.327
45)DCB-Surrogate	8.201	9.110	5415.8E6	2013.1E6	102.301	107.189

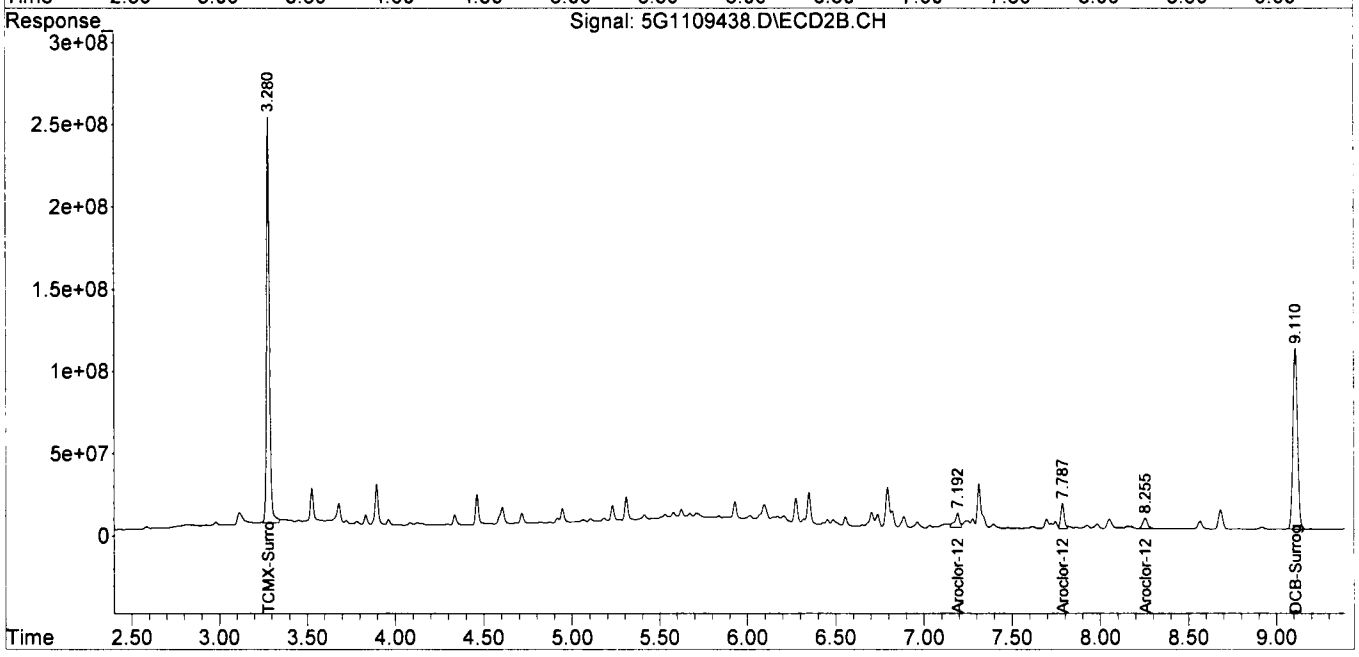
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109438.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 11:29:00
Operator : PR/KM/AH
Sample : AD48435-010
Misc : S,PCB
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 12:08:37 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-011
Client Id: SB-15-0-2.0'
Data File: 5G1109439.D
Analysis Date: 12/06/24 11:41
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.029	U	11097-69-1	Aroclor-1254	0.029	U
11104-28-2	Aroclor-1221	0.029	U	11096-82-5	Aroclor-1260	0.029	U
11141-16-5	Aroclor-1232	0.029	U	**37324-23-5**	**(^)Aroclor-1262**	**0.029**	**0.041**
53469-21-9	Aroclor-1242	0.029	U	11100-14-4	Aroclor-1268	0.029	U
12672-29-6	Aroclor-1248	0.029	U	**1336-36-3**	**Aroclor (Total)**	**0.029**	**0.041**

Worksheet #: 764335

Total Target Concentration 0.041

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109439.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 11:41:52
Operator : PR/KM/AH
Sample : AD48435-011
Misc : S,PCB
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 12:10:20 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.014	3.281	7165.3E6	2785.1E6	88.909m	92.392
35)Aroclor-1262 {1}	5.970	6.706	231.0E6	60326086	74.572m	75.574
36)Aroclor-1262 {2}	7.183	7.696	166.3E6	66384062	59.608	69.611m
37)Aroclor-1262 {3}	7.243	7.786	323.6E6	67594224	59.261	66.818m
45)DCB-Surrogate	8.201	9.110	5643.0E6	2070.4E6	106.592	110.239

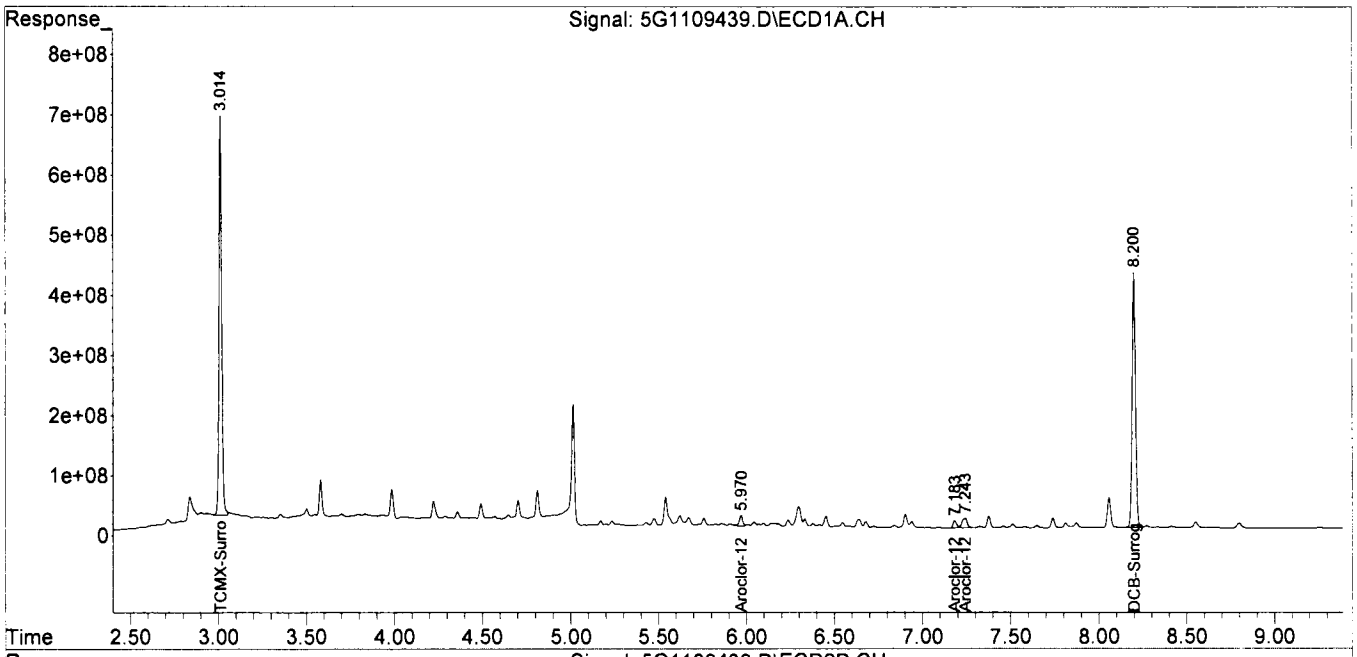
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

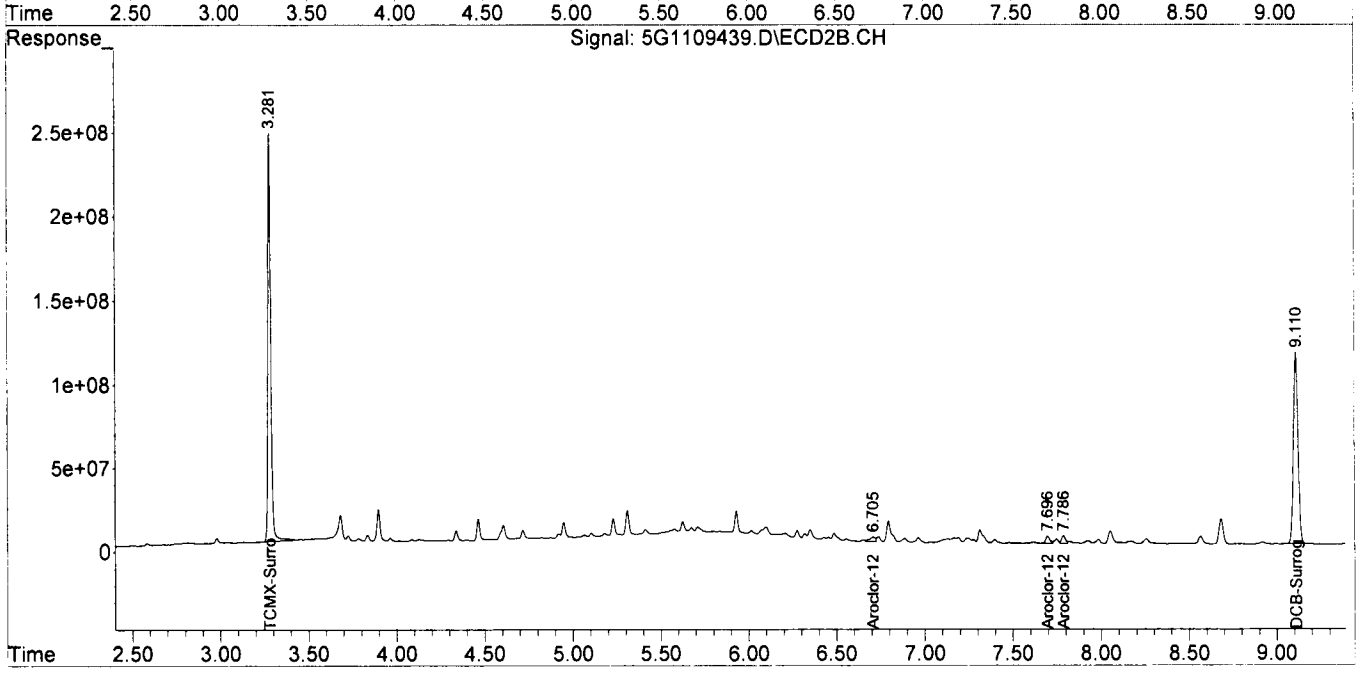
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109439.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 11:41:52
Operator : PR/KM/AH
Sample : AD48435-011
Misc : S,PCB
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 12:10:20 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-012
Client Id: SB-20-0-2.0'
Data File: 5G1109440.D
Analysis Date: 12/06/24 11:54
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.028	U	11097-69-1	Aroclor-1254	0.028	U
11104-28-2	Aroclor-1221	0.028	U	11096-82-5	Aroclor-1260	0.028	U
11141-16-5	Aroclor-1232	0.028	U	37324-23-5	Aroclor-1262	0.028	U
53469-21-9	Aroclor-1242	0.028	U	11100-14-4	Aroclor-1268	0.028	U
12672-29-6	Aroclor-1248	0.028	U	1336-36-3	Aroclor (Total)	0.028	U

Worksheet #: 764335

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109440.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 11:54:38
Operator : PR/KM/AH
Sample : AD48435-012
Misc : S,PCB
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 12:11:46 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.013	3.280	7156.6E6	2833.1E6	88.802m	93.983m
45)	DCB-Surrogate	8.199	9.109	5180.6E6	1892.2E6	97.858	100.753

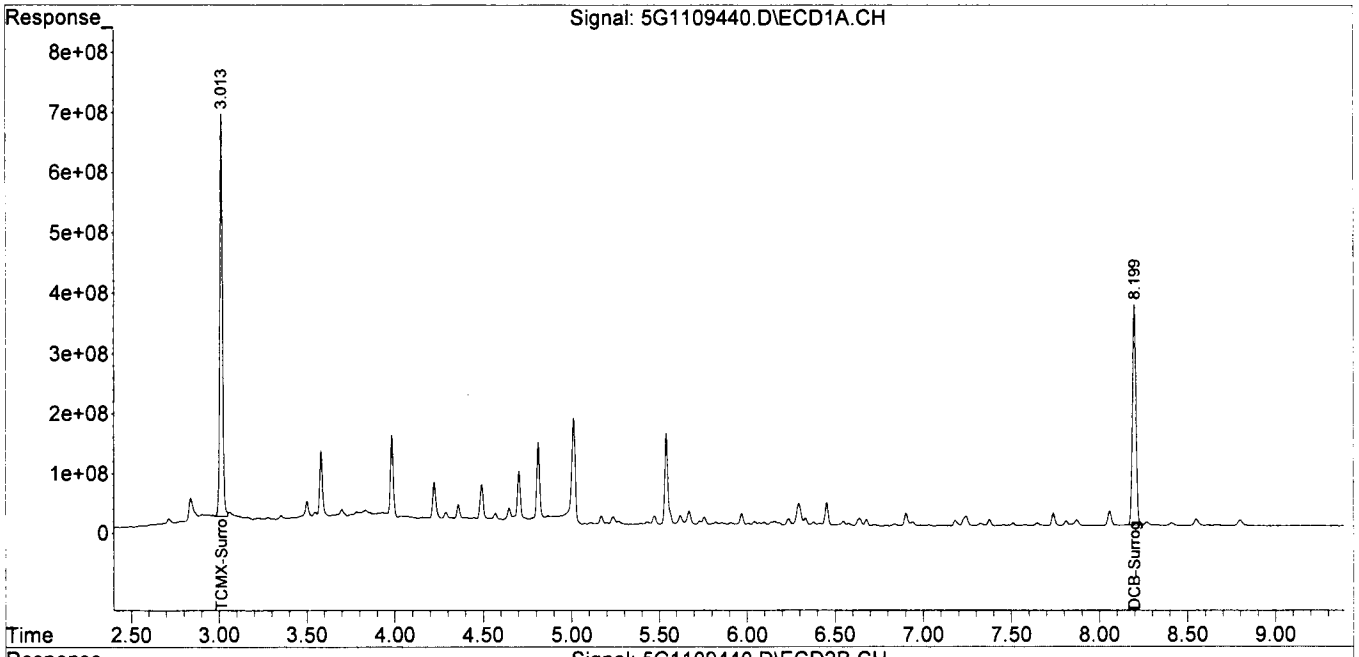
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

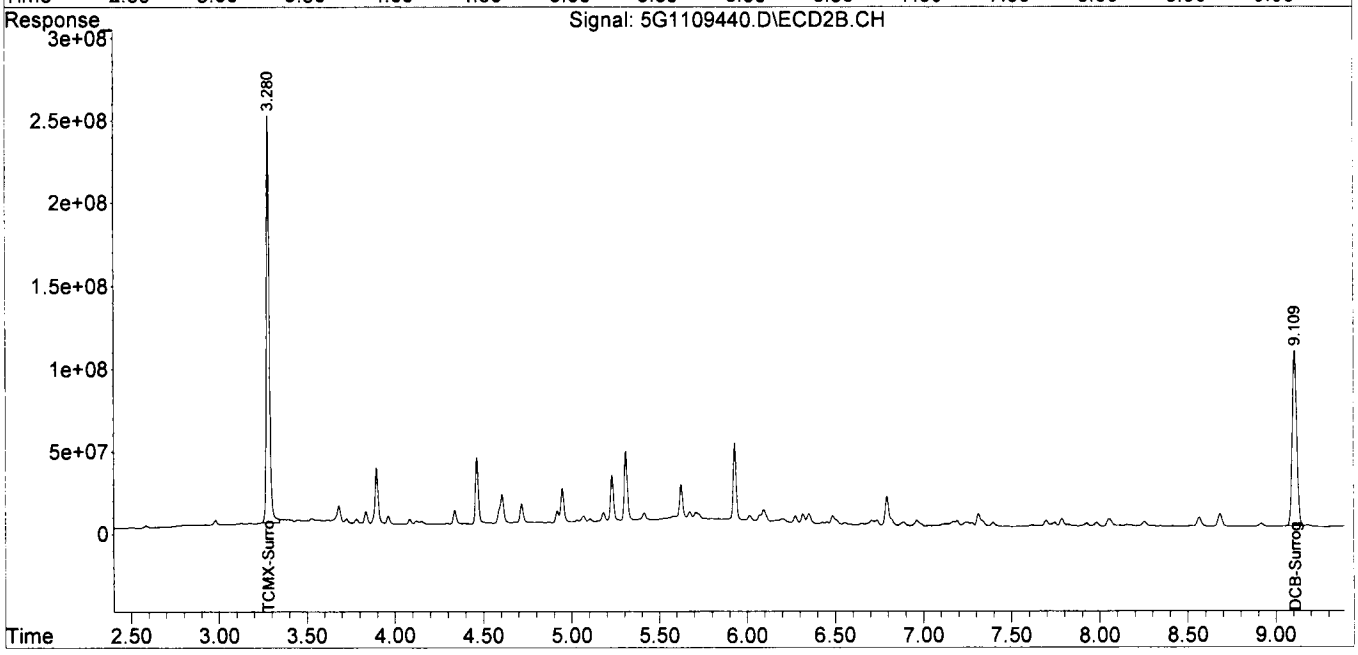
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109440.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 11:54:38
Operator : PR/KM/AH
Sample : AD48435-012
Misc : S,PCB
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 12:11:46 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-013
Client Id: SB-05-0-2.0'
Data File: 5G1109441.D
Analysis Date: 12/06/24 12:07
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 85

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.029	U	11097-69-1	Aroclor-1254	0.029	U
11104-28-2	Aroclor-1221	0.029	U	11096-82-5	Aroclor-1260	0.029	U
11141-16-5	Aroclor-1232	0.029	U	**37324-23-5**	**Aroclor-1262**	**0.029**	**0.067**
53469-21-9	Aroclor-1242	0.029	U	11100-14-4	Aroclor-1268	0.029	U
12672-29-6	Aroclor-1248	0.029	U	**1336-36-3**	**Aroclor (Total)**	**0.029**	**0.067**

Worksheet #: 764335

Total Target Concentration 0.067

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109441.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 12:07:24
Operator : PR/KM/AH
Sample : AD48435-013
Misc : S,PCB
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 12:38:53 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

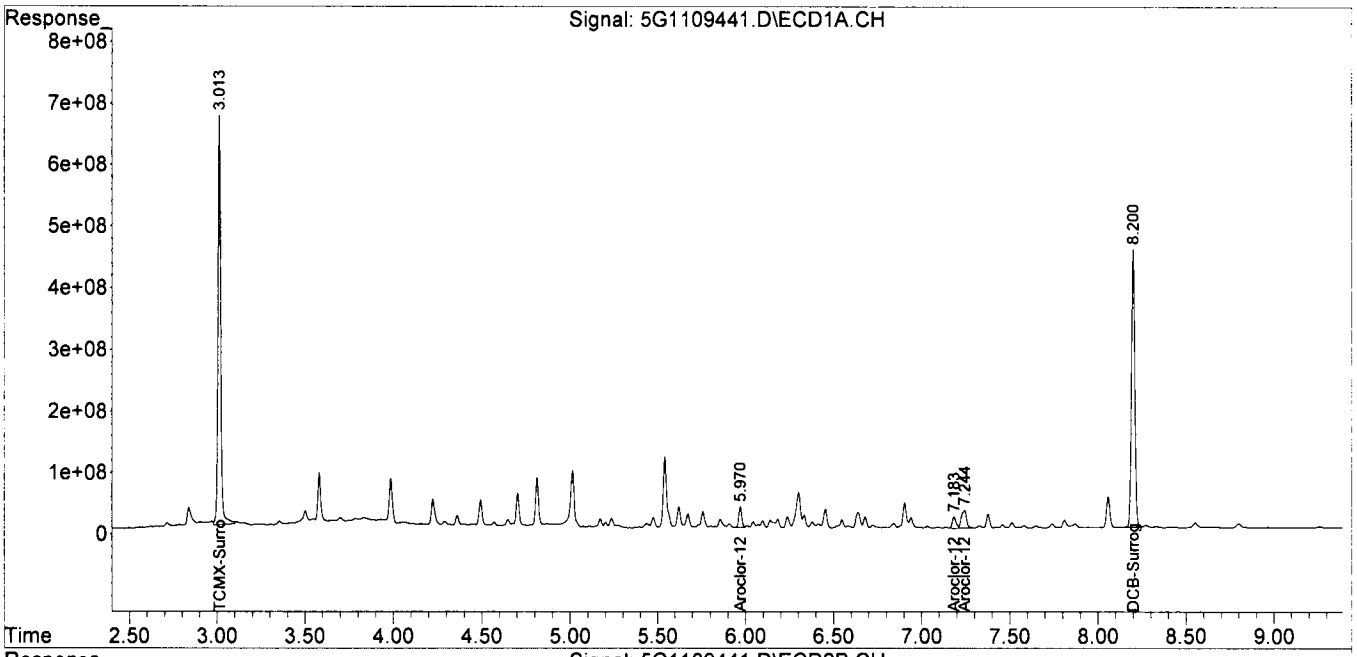
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.014	3.281	7372.6E6	2839.7E6	91.482	94.204
35)	Aroclor-1262 {1}	5.970	6.705	410.5E6	104.5E6	132.545m	130.852m
36)	Aroclor-1262 {2}	7.183	7.697	281.5E6	95413459	100.884m	100.052
37)	Aroclor-1262 {3}	7.244	7.787	582.4E6	108.6E6	106.653	107.339
45)	DCB-Surrogate	8.200	9.110	6038.8E6	2257.4E6	114.069	120.198

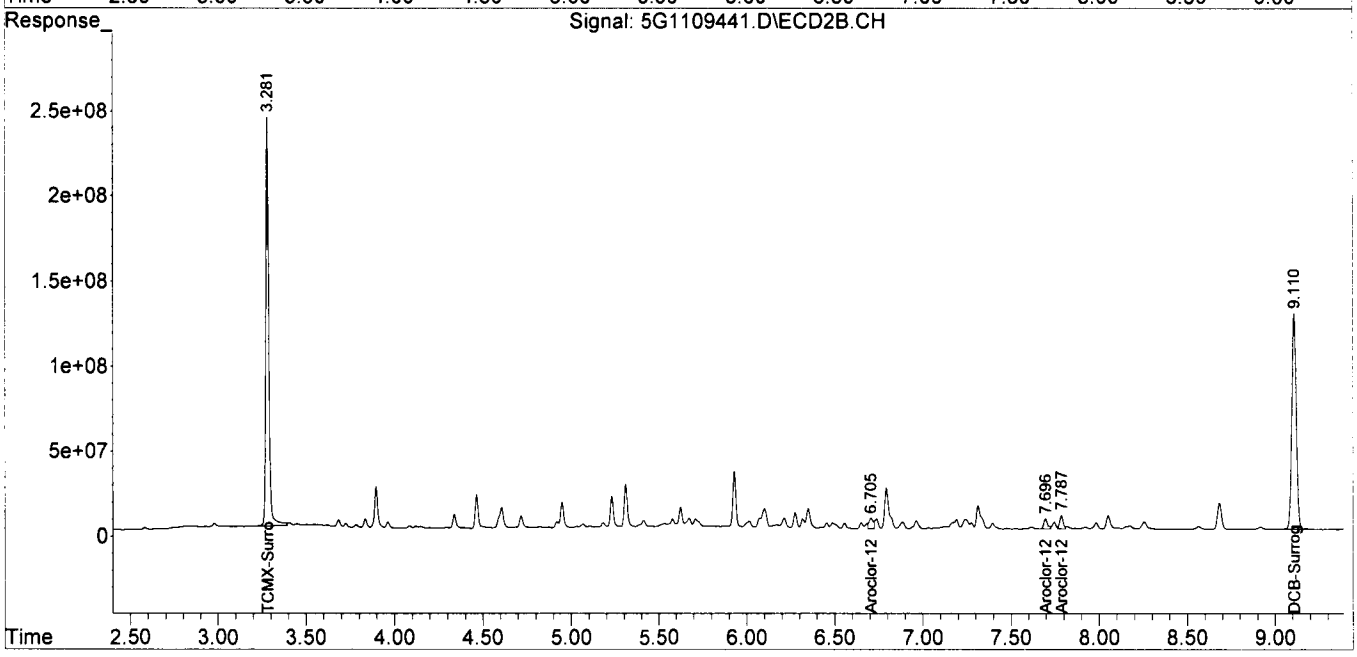
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109441.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 12:07:24
Operator : PR/KM/AH
Sample : AD48435-013
Misc : S,PCB
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 12:38:53 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-014
Client Id: SB-05-0-2.0' DUP
Data File: 5G1109442.D
Analysis Date: 12/06/24 12:20
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 85

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.029	U	11097-69-1	Aroclor-1254	0.029	U
11104-28-2	Aroclor-1221	0.029	U	11096-82-5	Aroclor-1260	0.029	U
11141-16-5	Aroclor-1232	0.029	U	**37324-23-5**	**Aroclor-1262**	**0.029**	**0.086**
53469-21-9	Aroclor-1242	0.029	U	11100-14-4	Aroclor-1268	0.029	U
12672-29-6	Aroclor-1248	0.029	U	**1336-36-3**	**Aroclor (Total)**	**0.029**	**0.086**

Worksheet #: 764335

Total Target Concentration 0.086

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109442.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 12:20:09
Operator : PR/KM/AH
Sample : AD48435-014
Misc : S,PCB
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 12:40:32 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.013	3.281	7590.3E6	2961.1E6	94.183m	98.231
35)	Aroclor-1262 {1}	5.970	6.704	565.5E6	121.8E6	182.590	152.648
36)	Aroclor-1262 {2}	7.182	7.696	329.0E6	120.7E6	117.915	126.605
37)	Aroclor-1262 {3}	7.243	7.787	740.4E6	135.5E6	135.587	133.935
45)	DCB-Surrogate	8.200	9.109	6597.2E6	2418.9E6	124.616	128.793

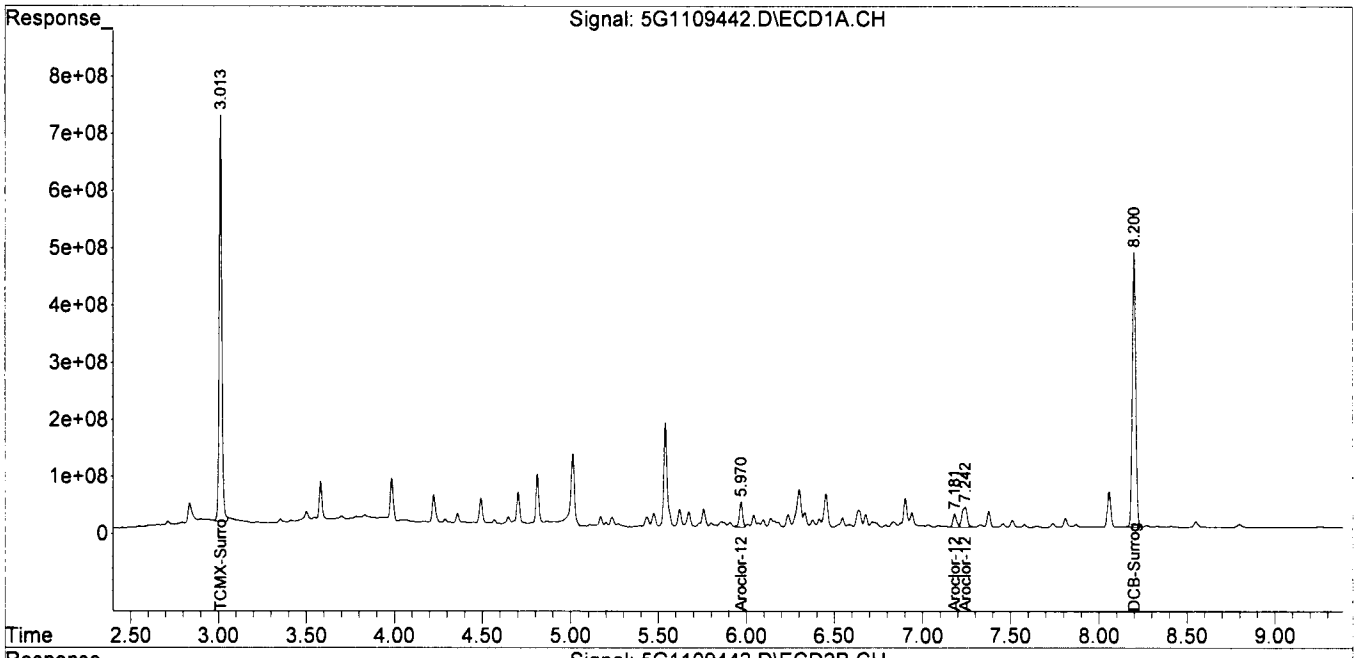
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

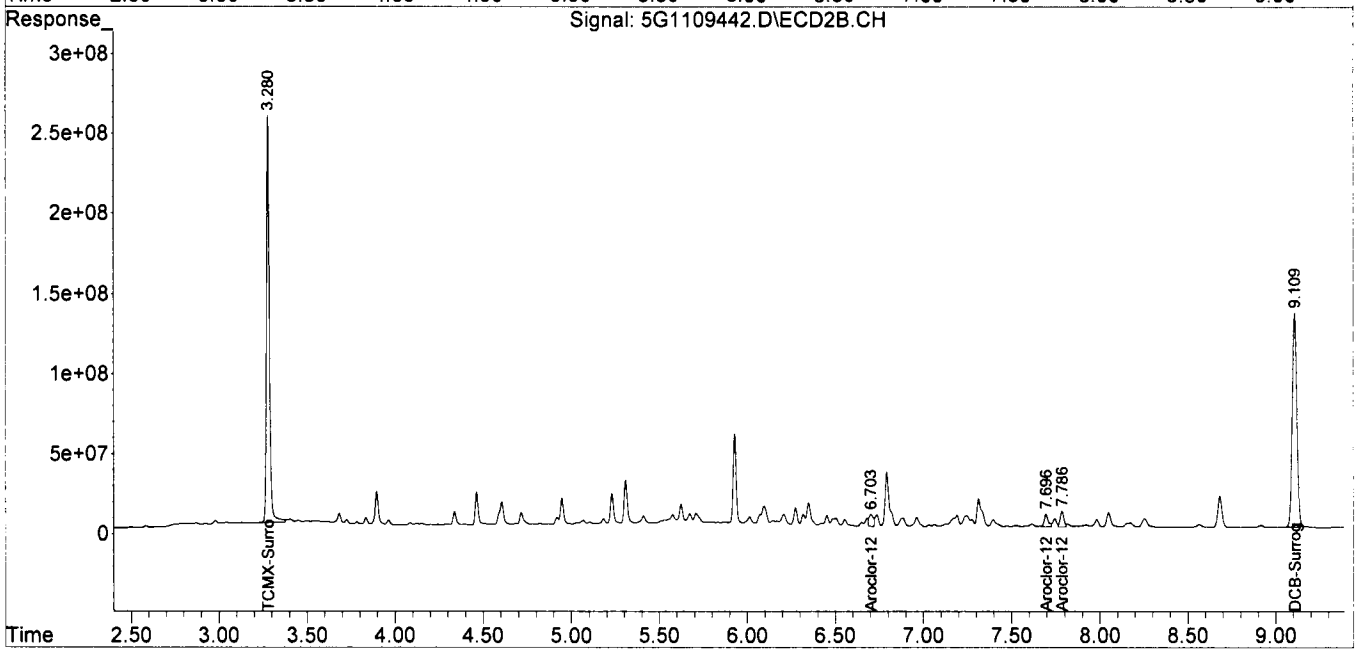
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109442.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 12:20:09
Operator : PR/KM/AH
Sample : AD48435-014
Misc : S,PCB
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 12:40:32 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-015
Client Id: SB-07-0-2.0'
Data File: 2G198127.D
Analysis Date: 12/06/24 16:37
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.028	U	11097-69-1	Aroclor-1254	0.028	U
11104-28-2	Aroclor-1221	0.028	U	11096-82-5	Aroclor-1260	0.028	U
11141-16-5	Aroclor-1232	0.028	U	**37324-23-5**	**Aroclor-1262**	**0.028**	**0.039**
53469-21-9	Aroclor-1242	0.028	U	11100-14-4	Aroclor-1268	0.028	U
12672-29-6	Aroclor-1248	0.028	U	**1336-36-3**	**Aroclor (Total)**	**0.028**	**0.039**

Worksheet #: 764404

Total Target Concentration 0.039

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-06-24\
Data File : 2G198127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 16:37
Operator : AH/PR/KM
Sample : AD48435-015
Misc : S,PCB
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 16:48:12 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.030	3.236	973.0E6	1363.4E6	107.397	103.838m
35)Aroclor-1262 {1}	6.032	6.692	32404641	29264430	92.059	73.677
36)Aroclor-1262 {2}	7.259	7.696	18583168	33021963	54.110	71.636m#
37)Aroclor-1262 {3}	7.316	7.787	41242952	30492679	61.291	56.797m
45)DCB-Surrogate	8.296	9.113	952.6E6	1318.5E6	132.269	135.219

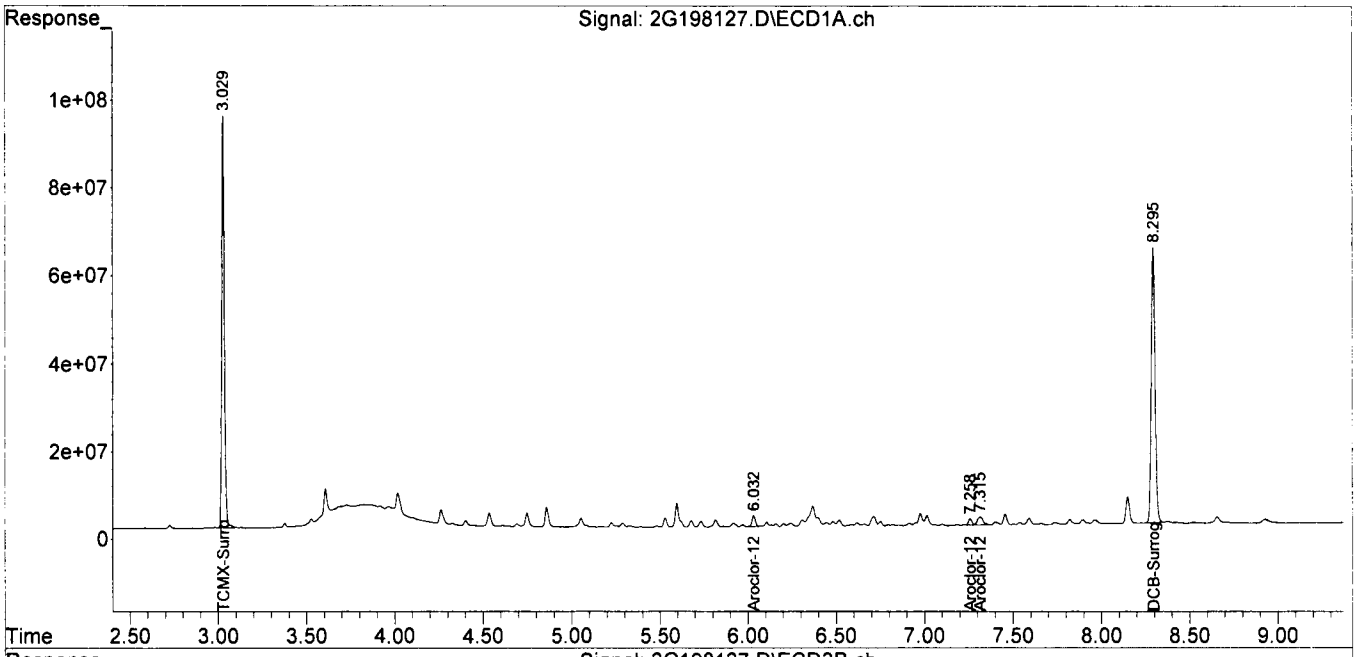
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

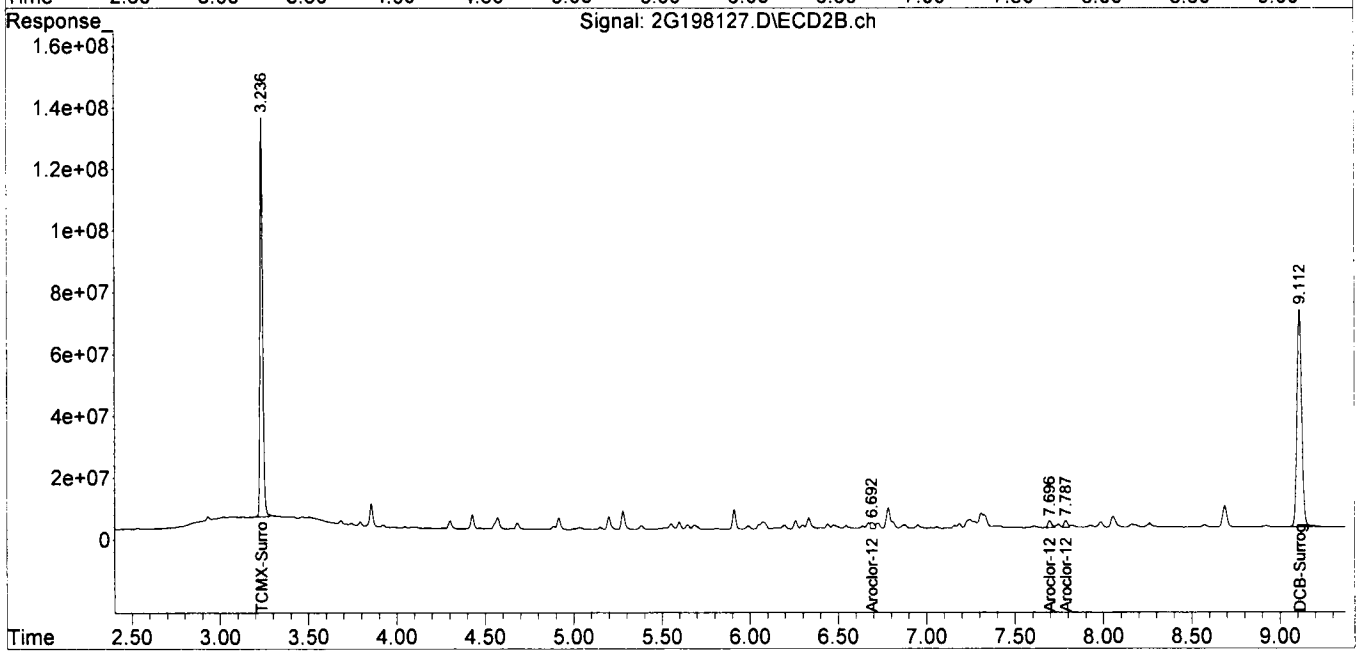
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-06-24\
Data File : 2G198127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 16:37
Operator : AH/PR/KM
Sample : AD48435-015
Misc : S,PCB
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 16:48:12 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-016
Client Id: SB-23-0-2.0'
Data File: 5G1109443.D
Analysis Date: 12/06/24 12:32
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 85

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.029	U	11097-69-1	Aroclor-1254	0.029	U
11104-28-2	Aroclor-1221	0.029	U	**11096-82-5**	**(^)Aroclor-1260**	**0.029**	**0.041**
11141-16-5	Aroclor-1232	0.029	U	37324-23-5	Aroclor-1262	0.029	U
53469-21-9	Aroclor-1242	0.029	U	11100-14-4	Aroclor-1268	0.029	U
12672-29-6	Aroclor-1248	0.029	U	**1336-36-3**	**Aroclor (Total)**	**0.029**	**0.041**

Worksheet #: 764335

Total Target Concentration 0.041

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109443.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 12:32:52
Operator : PR/KM/AH
Sample : AD48435-016
Misc : S,PCB
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:10:06 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

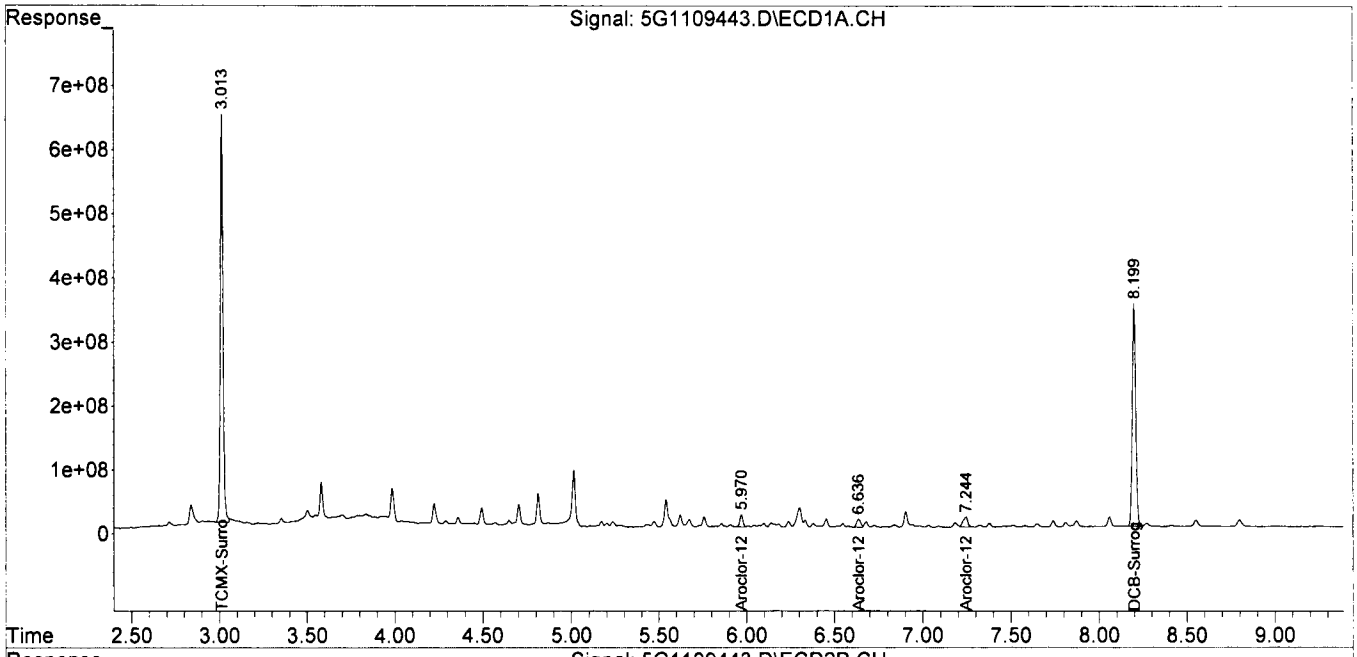
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2	
Target Compounds							
1)TCMX-Surrogate	3.013	3.281	6855.4E6	2809.0E6	85.065m	93.184	
8)Aroclor-1260 {2}	5.970	6.350	233.3E6	96392694	57.758	73.856	#
10)Aroclor-1260 {4}	6.636	7.787	199.0E6	67290727	67.571	65.628	
11)Aroclor-1260 {5}	7.245	8.256	292.5E6	43484932	66.514	70.580	
45)DCB-Surrogate	8.200	9.110	4800.6E6	1770.5E6	90.681	94.271	

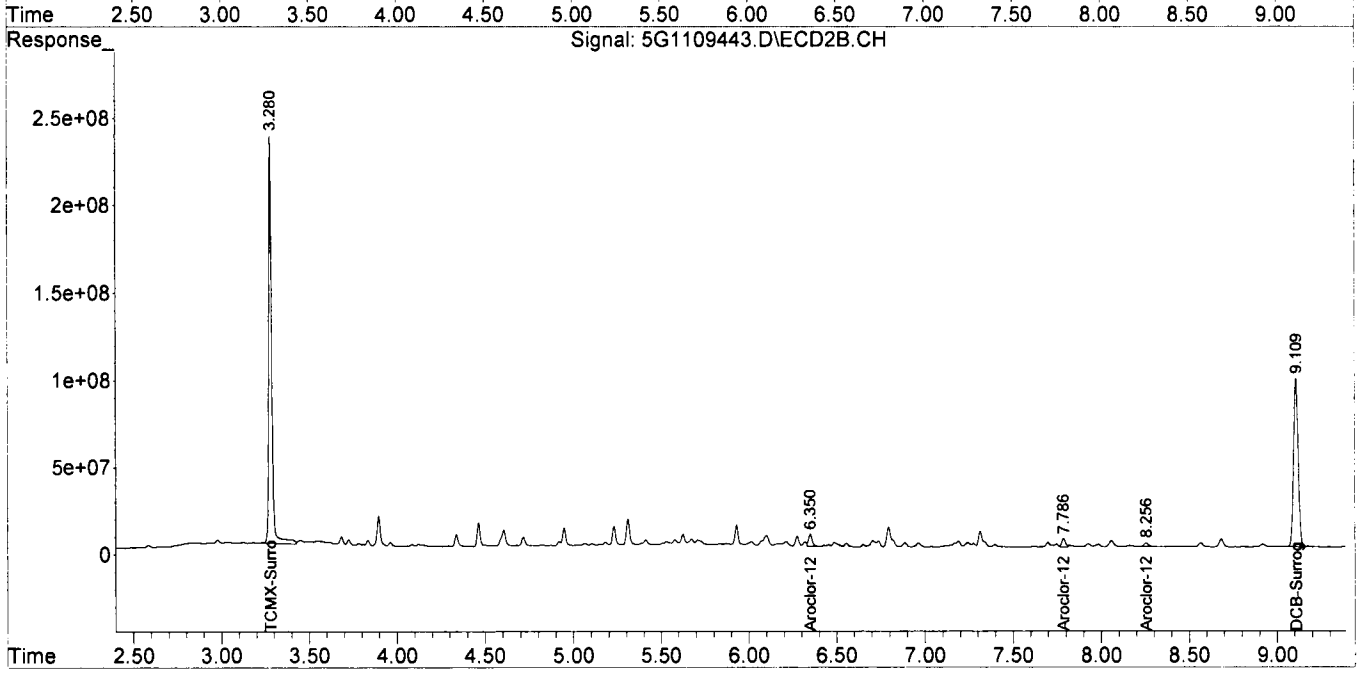
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109443.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 12:32:52
Operator : PR/KM/AH
Sample : AD48435-016
Misc : S,PCB
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:10:06 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-017
Client Id: SB-24-0-2.0'
Data File: 5G1109444.D
Analysis Date: 12/06/24 12:45
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.028	U	11097-69-1	Aroclor-1254	0.028	U
11104-28-2	Aroclor-1221	0.028	U	11096-82-5	Aroclor-1260	0.028	U
11141-16-5	Aroclor-1232	0.028	U	37324-23-5	Aroclor-1262	0.028	U
53469-21-9	Aroclor-1242	0.028	U	11100-14-4	Aroclor-1268	0.028	U
12672-29-6	Aroclor-1248	0.028	U	1336-36-3	Aroclor (Total)	0.028	U

Worksheet #: 764335 *Total Target Concentration* 0 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109444.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 12:45:46
Operator : PR/KM/AH
Sample : AD48435-017
Misc : S,PCB
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:10:46 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

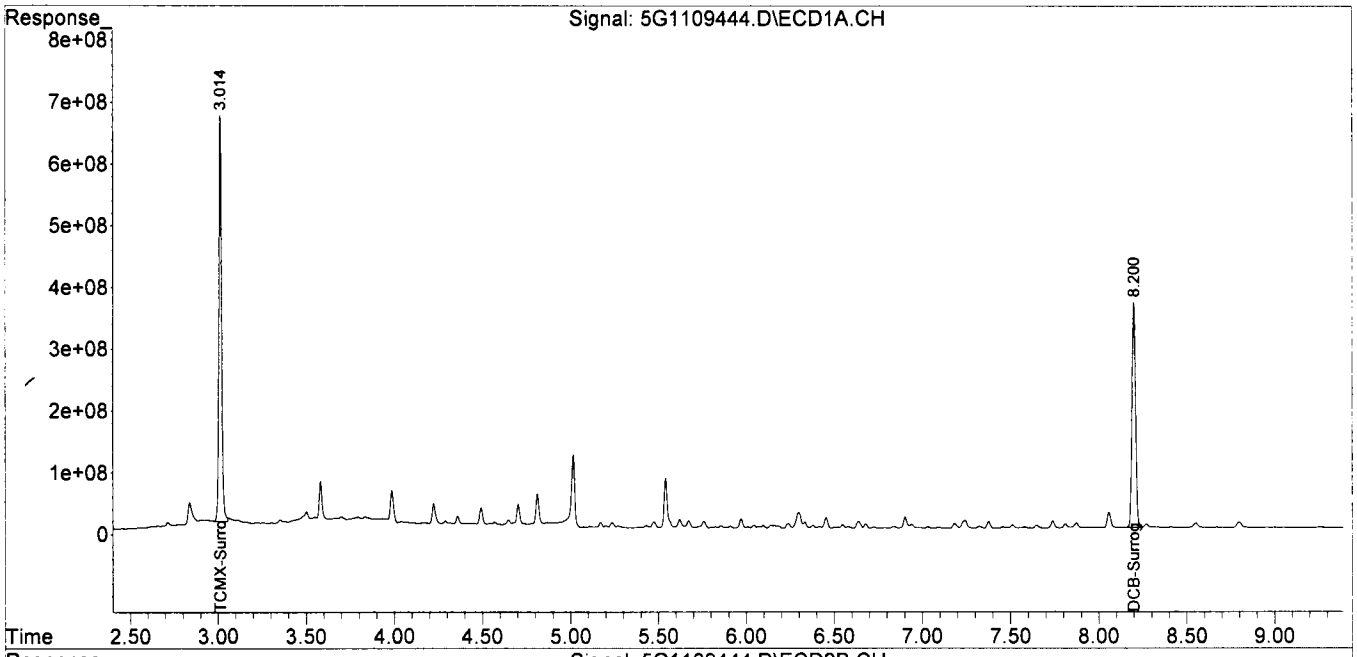
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.014	3.281	7208.0E6	2951.9E6	89.439m	97.924
45)	DCB-Surrogate	8.200	9.109	5174.4E6	1910.8E6	97.740	101.743

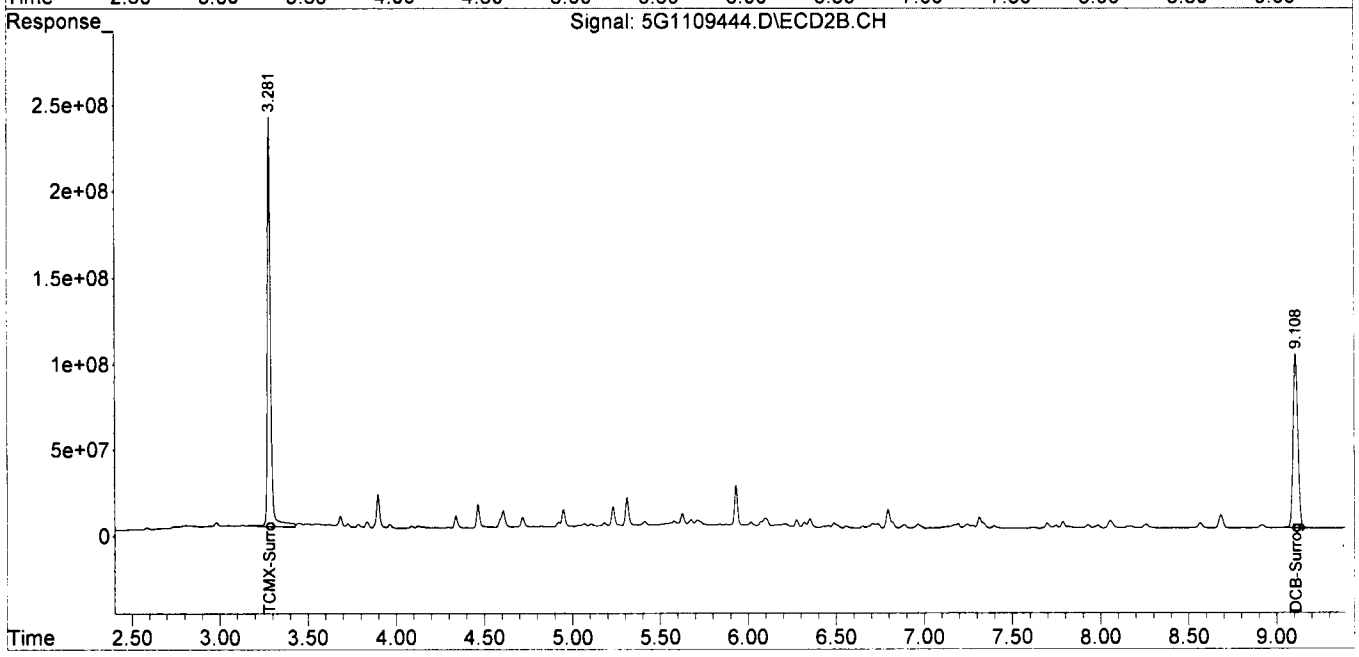
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109444.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 12:45:46
Operator : PR/KM/AH
Sample : AD48435-017
Misc : S,PCB
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:10:46 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-018
Client Id: SB-25-0-2.0'
Data File: 5G1109445.D
Analysis Date: 12/06/24 12:58
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.029	U	11097-69-1	Aroclor-1254	0.029	U
11104-28-2	Aroclor-1221	0.029	U	11096-82-5	Aroclor-1260	0.029	U
11141-16-5	Aroclor-1232	0.029	U	37324-23-5	Aroclor-1262	0.029	U
53469-21-9	Aroclor-1242	0.029	U	11100-14-4	Aroclor-1268	0.029	U
12672-29-6	Aroclor-1248	0.029	U	1336-36-3	Aroclor (Total)	0.029	U

Worksheet #: 764335

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109445.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 12:58:35
Operator : PR/KM/AH
Sample : AD48435-018
Misc : S,PCB
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:12:03 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

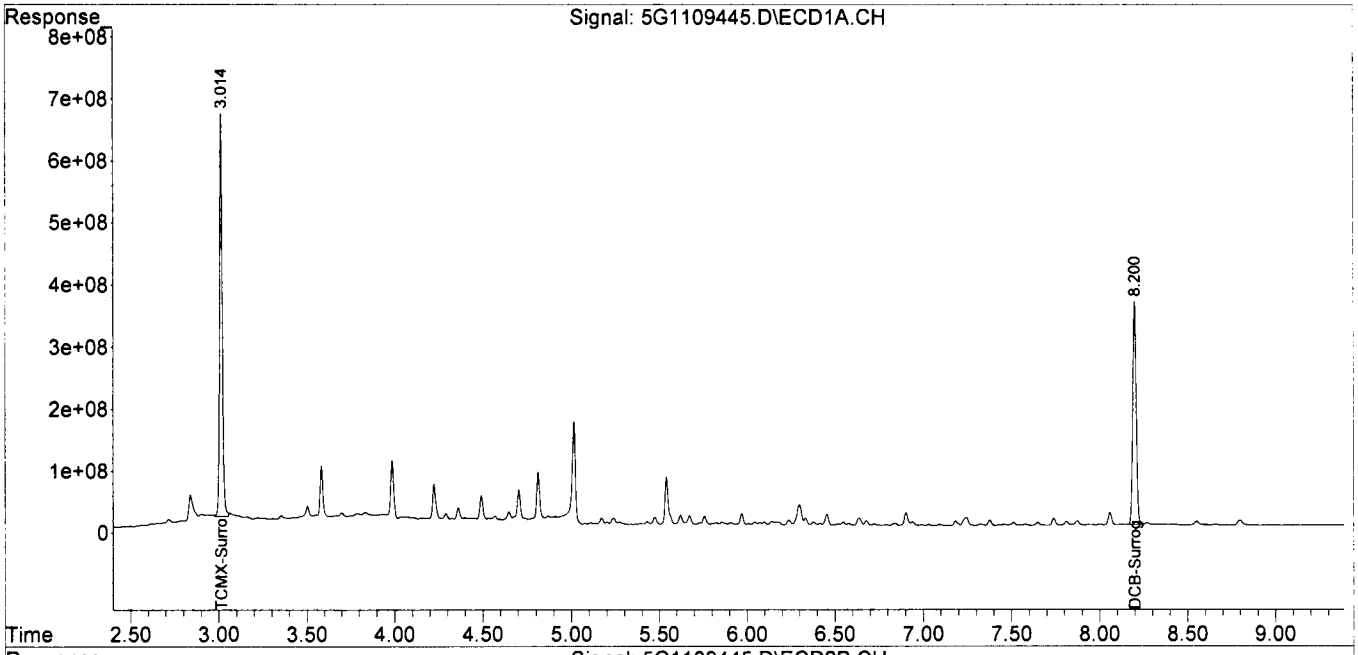
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.014	3.282	7025.0E6	2690.9E6	87.169m	89.265
45)	DCB-Surrogate	8.200	9.109	5019.2E6	1855.5E6	94.809	98.797

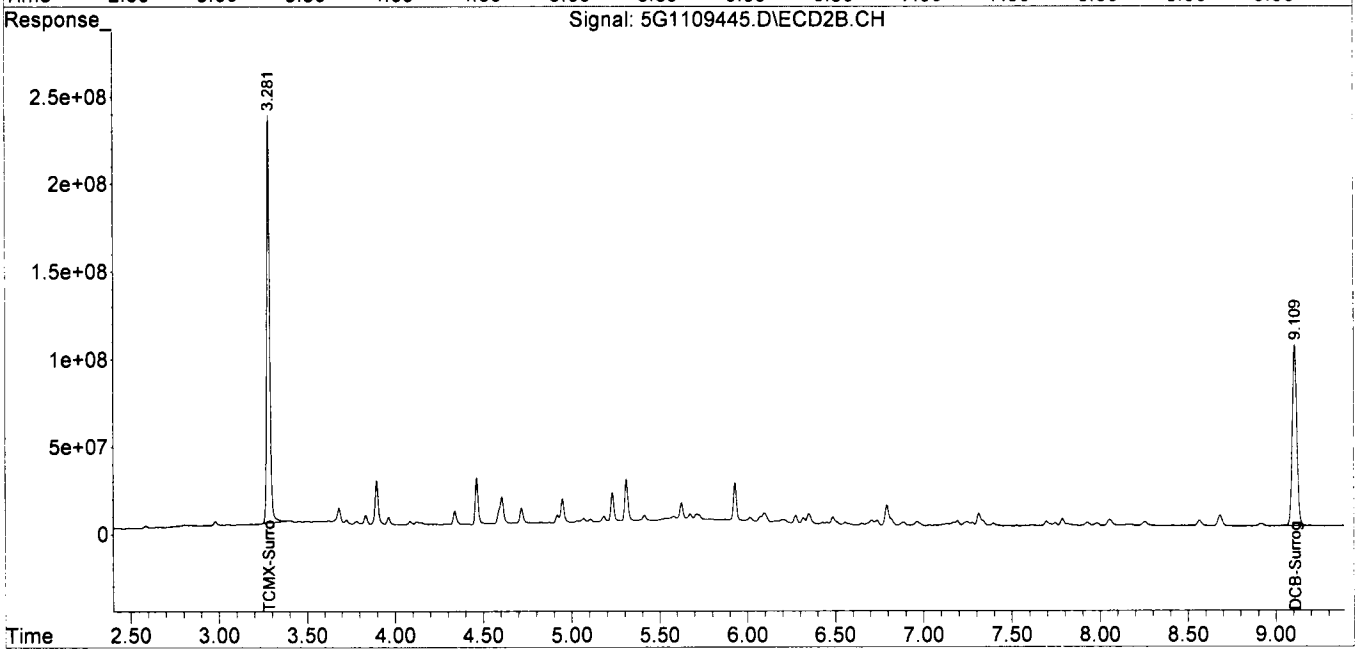
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109445.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 12:58:35
Operator : PR/KM/AH
Sample : AD48435-018
Misc : S,PCB
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:12:03 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-019
Client Id: SB-19-0-2.0'
Data File: 5G1109446.D
Analysis Date: 12/06/24 13:11
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 82

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.030	U	11097-69-1	Aroclor-1254	0.030	U
11104-28-2	Aroclor-1221	0.030	U	11096-82-5	Aroclor-1260	0.030	U
11141-16-5	Aroclor-1232	0.030	U	37324-23-5	Aroclor-1262	0.030	U
53469-21-9	Aroclor-1242	0.030	U	11100-14-4	Aroclor-1268	0.030	U
12672-29-6	Aroclor-1248	0.030	U	1336-36-3	Aroclor (Total)	0.030	U

Worksheet #: 764335

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109446.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 13:11:20
Operator : PR/KM/AH
Sample : AD48435-019
Misc : S,PCB
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:17:30 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

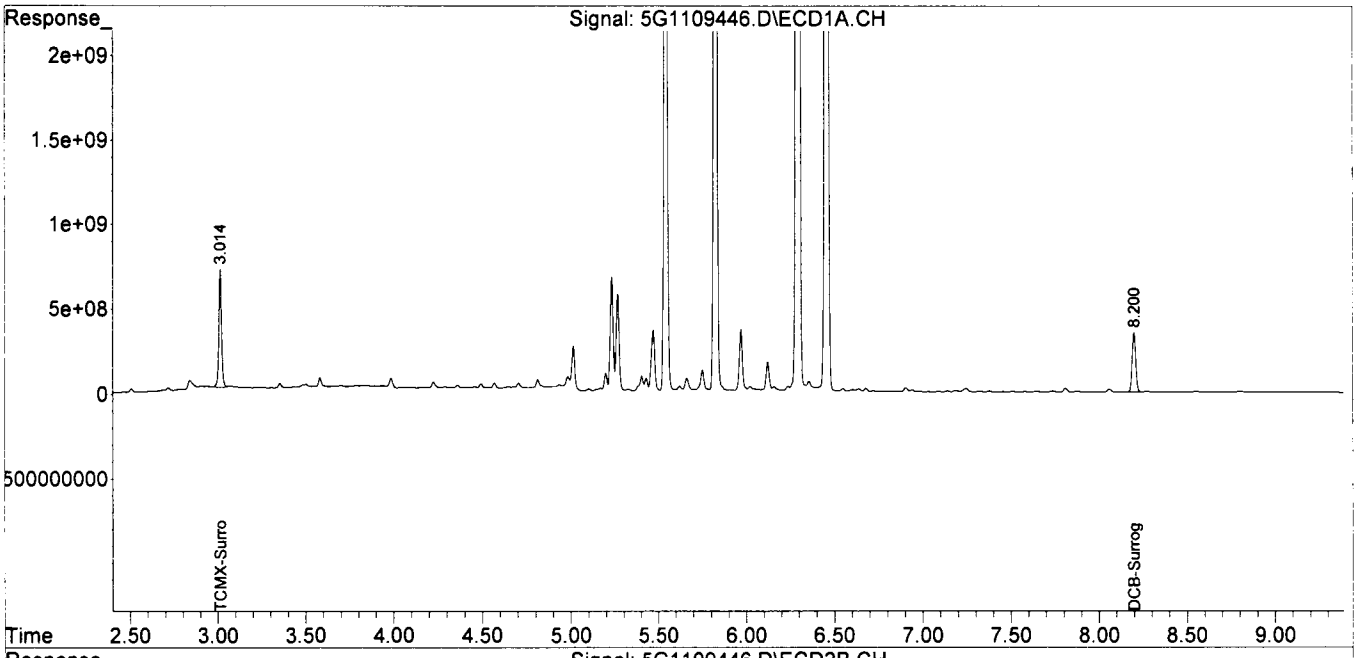
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.014	3.282	7598.7E6	2963.9E6	94.288m	98.323
45)	DCB-Surrogate	8.200	9.110	4914.4E6	1830.6E6	92.829	97.474

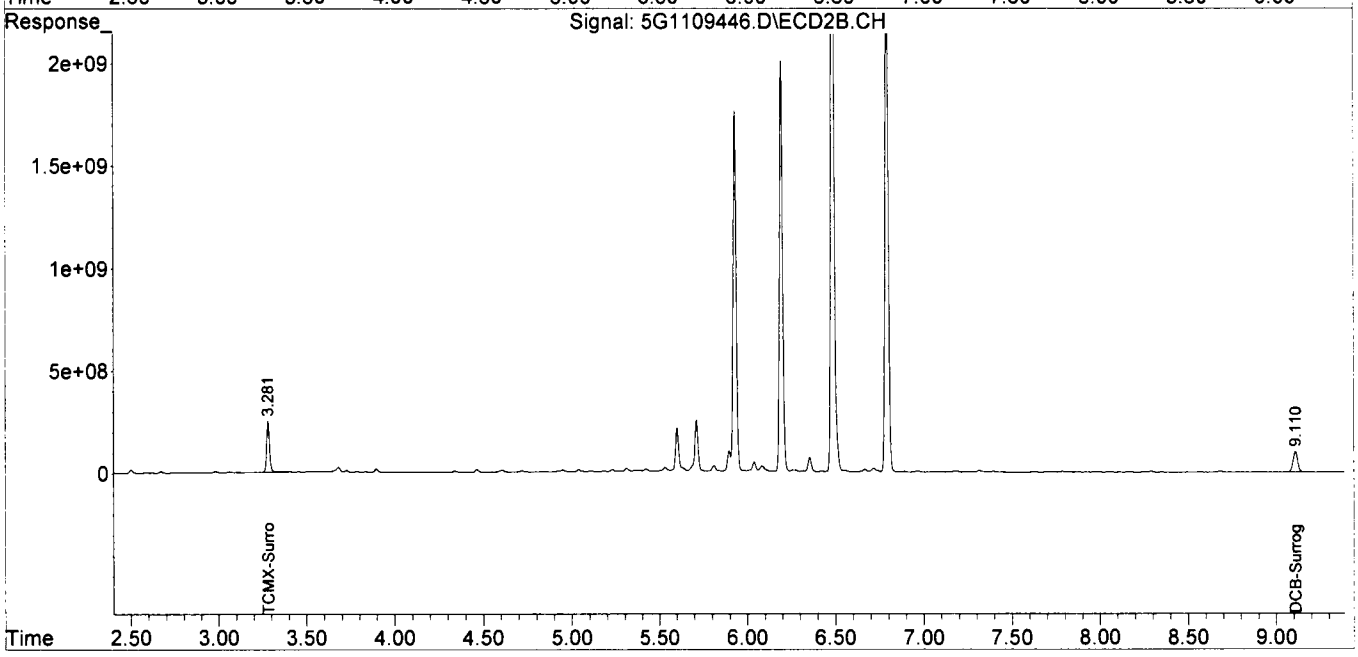
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109446.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 13:11:20
Operator : PR/KM/AH
Sample : AD48435-019
Misc : S,PCB
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:17:30 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-020
Client Id: SB-14-0-2.0'
Data File: 5G1109447.D
Analysis Date: 12/06/24 13:24
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 87

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.029	U	11097-69-1	Aroclor-1254	0.029	U
11104-28-2	Aroclor-1221	0.029	U	11096-82-5	Aroclor-1260	0.029	U
11141-16-5	Aroclor-1232	0.029	U	37324-23-5	Aroclor-1262	0.029	U
53469-21-9	Aroclor-1242	0.029	U	11100-14-4	Aroclor-1268	0.029	U
12672-29-6	Aroclor-1248	0.029	U	1336-36-3	Aroclor (Total)	0.029	U

Worksheet #: 764335

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109447.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 13:24:01
Operator : PR/KM/AH
Sample : AD48435-020
Misc : S,PCB
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:13:18 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.014	3.282	7429.2E6	2872.6E6	92.184m	95.295
45)	DCB-Surrogate	8.200	9.109	4896.5E6	1762.2E6	92.491	93.827

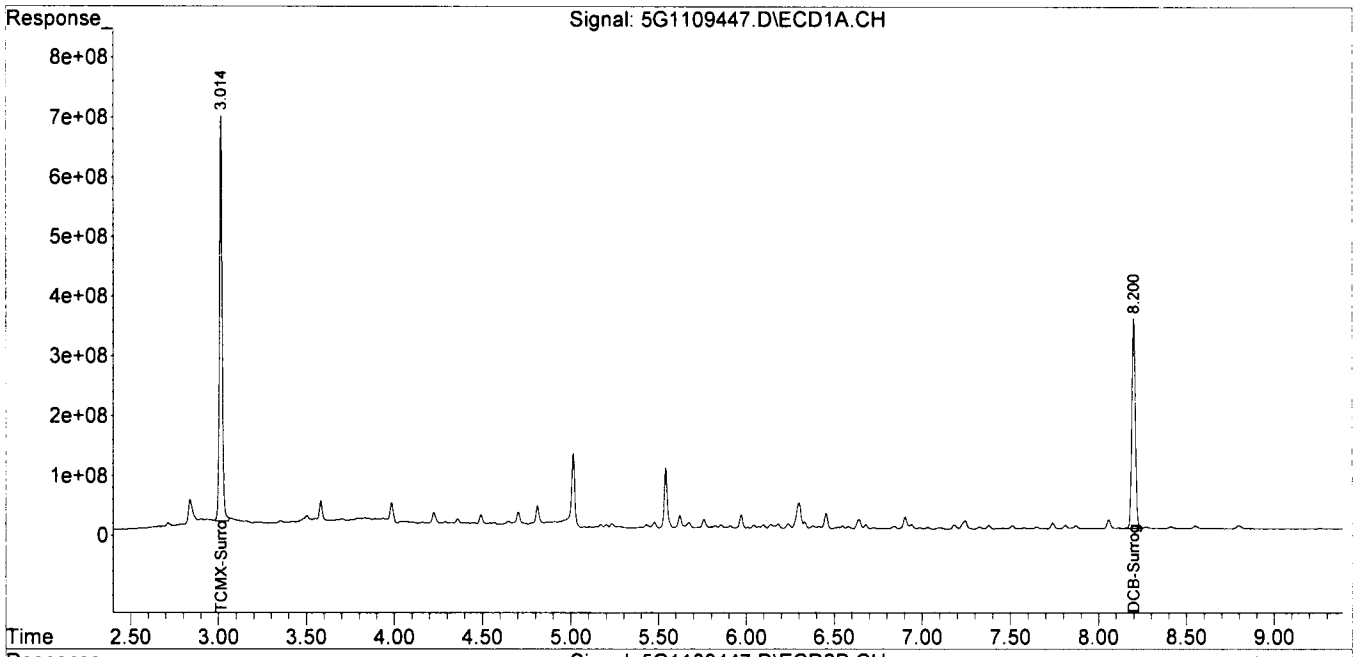
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

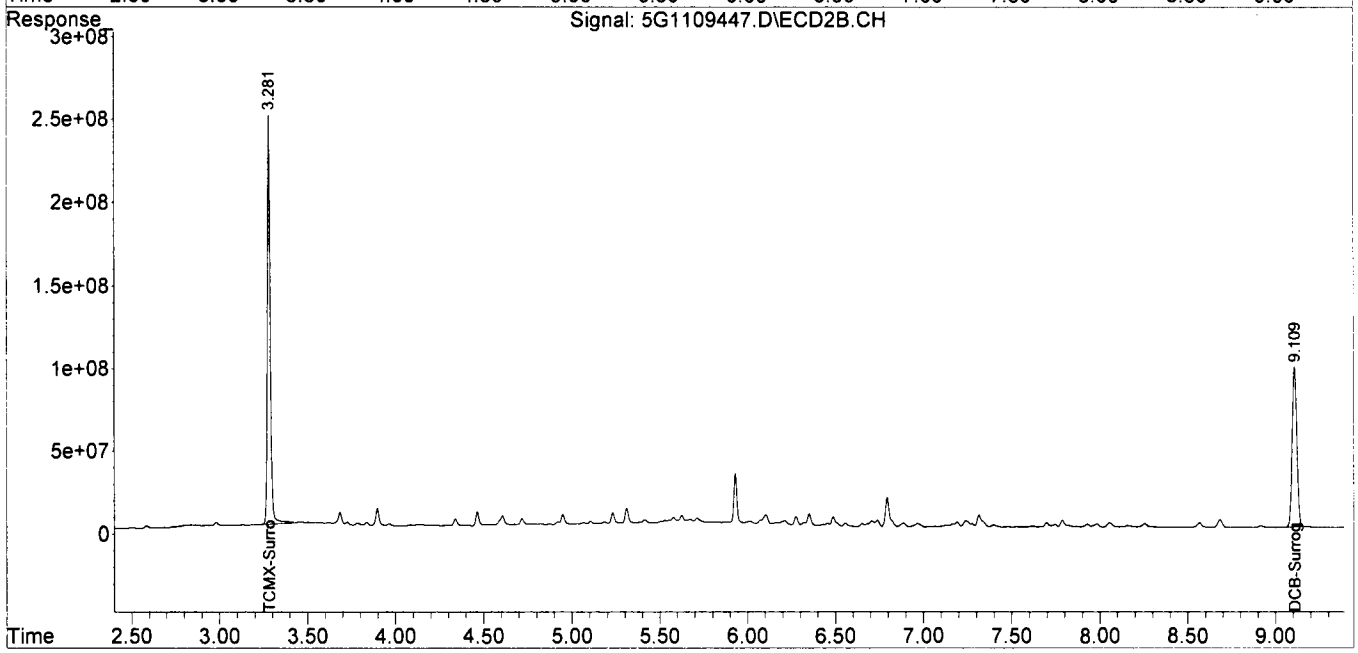
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109447.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 13:24:01
Operator : PR/KM/AH
Sample : AD48435-020
Misc : S,PCB
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:13:18 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-021
Client Id: SB-13-0-2.0'
Data File: 5G1109448.D
Analysis Date: 12/06/24 13:36
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.028	U	11097-69-1	Aroclor-1254	0.028	U
11104-28-2	Aroclor-1221	0.028	U	11096-82-5	Aroclor-1260	0.028	U
11141-16-5	Aroclor-1232	0.028	U	37324-23-5	Aroclor-1262	0.028	U
53469-21-9	Aroclor-1242	0.028	U	11100-14-4	Aroclor-1268	0.028	U
12672-29-6	Aroclor-1248	0.028	U	1336-36-3	Aroclor (Total)	0.028	U

Worksheet #: 764335

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109448.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 13:36:41
Operator : PR/KM/AH
Sample : AD48435-021
Misc : S,PCB
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:13:48 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

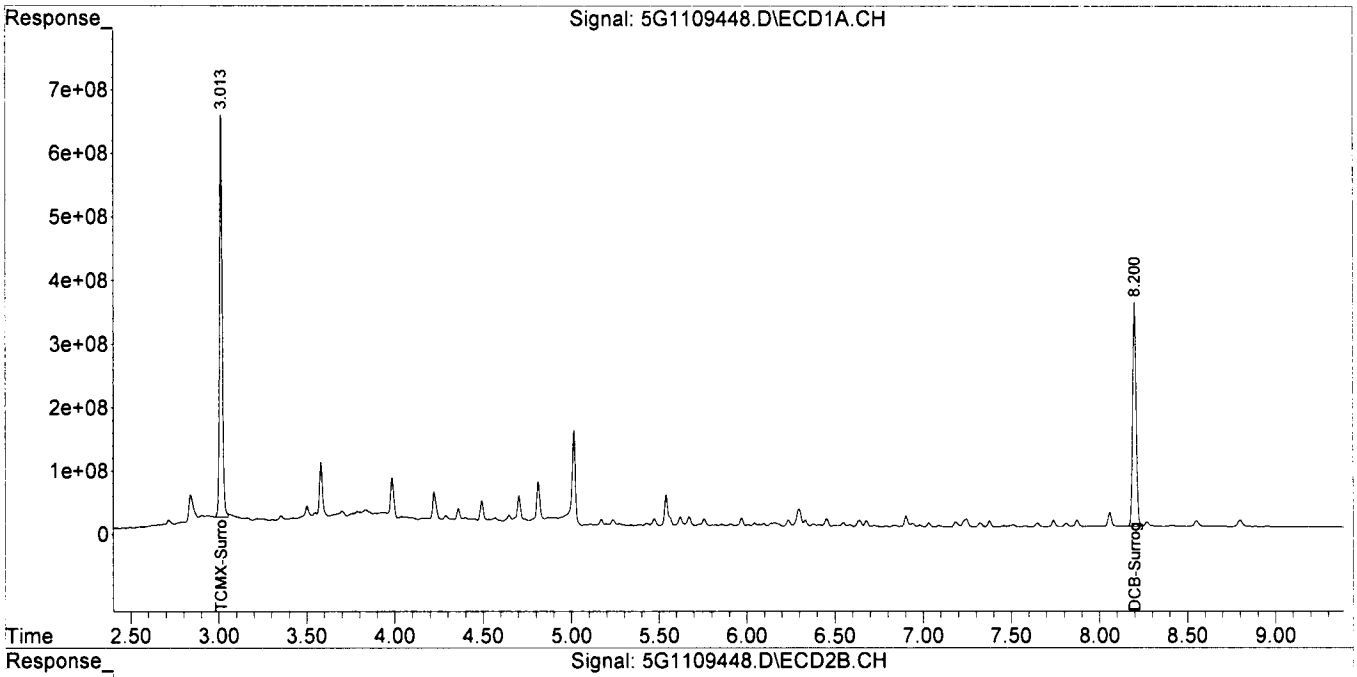
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.013	3.281	6929.9E6	2681.1E6	85.989m	88.942
45)	DCB-Surrogate	8.200	9.110	4865.6E6	1755.2E6	91.908	93.458

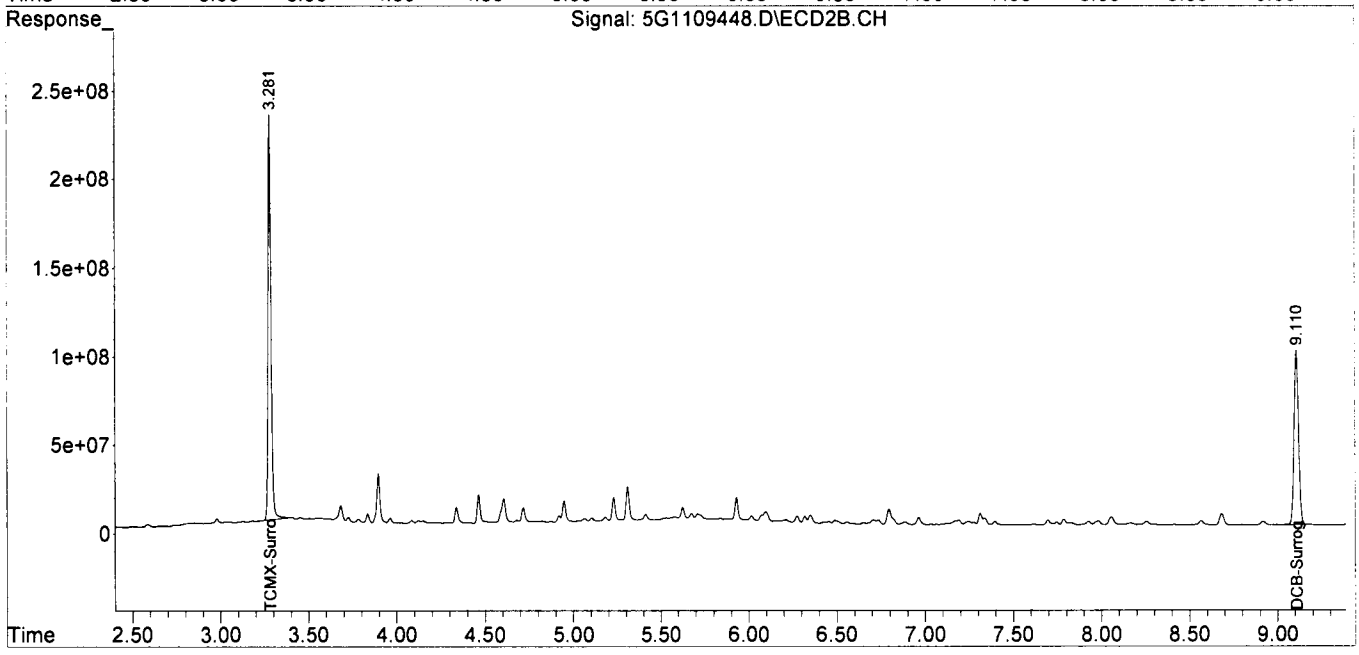
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109448.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 13:36:41
Operator : PR/KM/AH
Sample : AD48435-021
Misc : S,PCB
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:13:48 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-022
Client Id: SB-18-0-2.0'
Data File: 5G1109449.D
Analysis Date: 12/06/24 13:49
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 82

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.030	U	11097-69-1	Aroclor-1254	0.030	U
11104-28-2	Aroclor-1221	0.030	U	11096-82-5	Aroclor-1260	0.030	U
11141-16-5	Aroclor-1232	0.030	U	**37324-23-5**	**Aroclor-1262**	**0.030**	**0.050**
53469-21-9	Aroclor-1242	0.030	U	11100-14-4	Aroclor-1268	0.030	U
12672-29-6	Aroclor-1248	0.030	U	**1336-36-3**	**Aroclor (Total)**	**0.030**	**0.050**

Worksheet #: 764335

Total Target Concentration 0.05

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109449.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 13:49:37
Operator : PR/KM/AH
Sample : AD48435-022
Misc : S,PCB
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:47:42 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

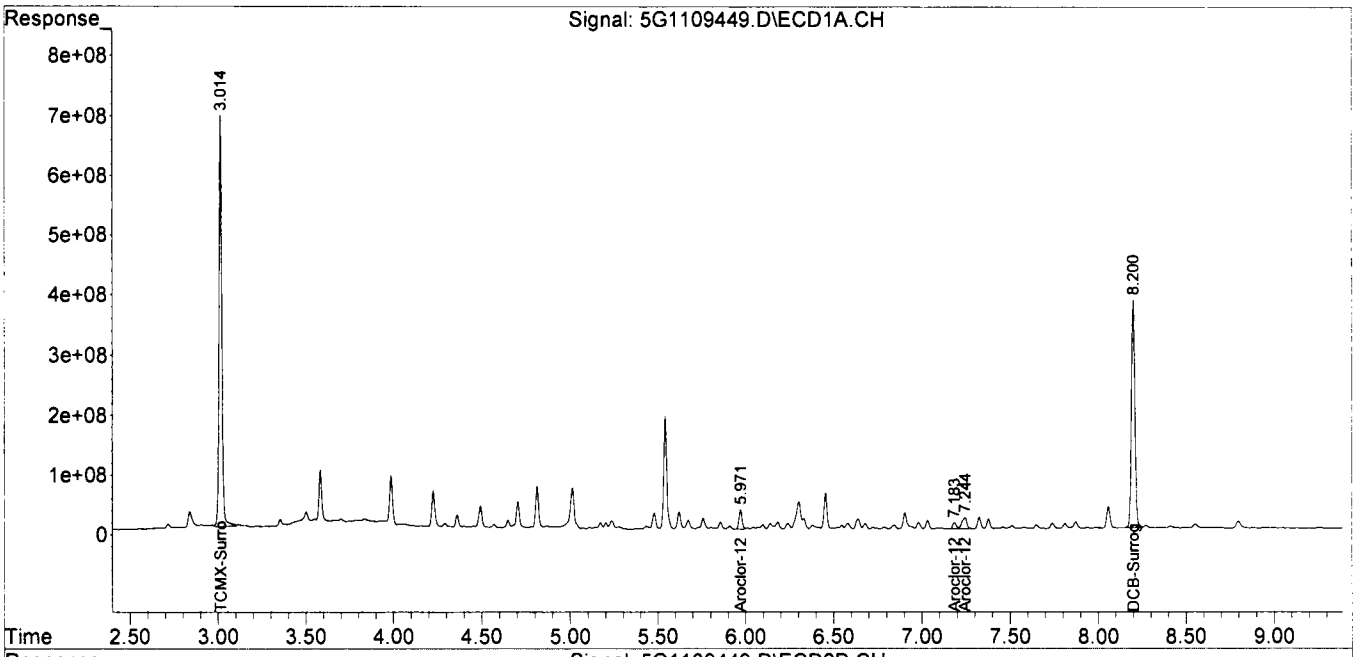
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2	
	Target Compounds							
1)	TCMX-Surrogate	3.015	3.282	7629.6E6	2919.7E6	94.671	96.857	
35)	Aroclor-1262 {1}	5.971	6.706	392.5E6	75640005	126.718	94.759	#
36)	Aroclor-1262 {2}	7.183	7.697	143.0E6	55852405	51.254	58.568	m
37)	Aroclor-1262 {3}	7.244	7.786	359.6E6	79044229	65.858	78.137	m
45)	DCB-Surrogate	8.200	9.109	5328.5E6	1958.2E6	100.651	104.267	

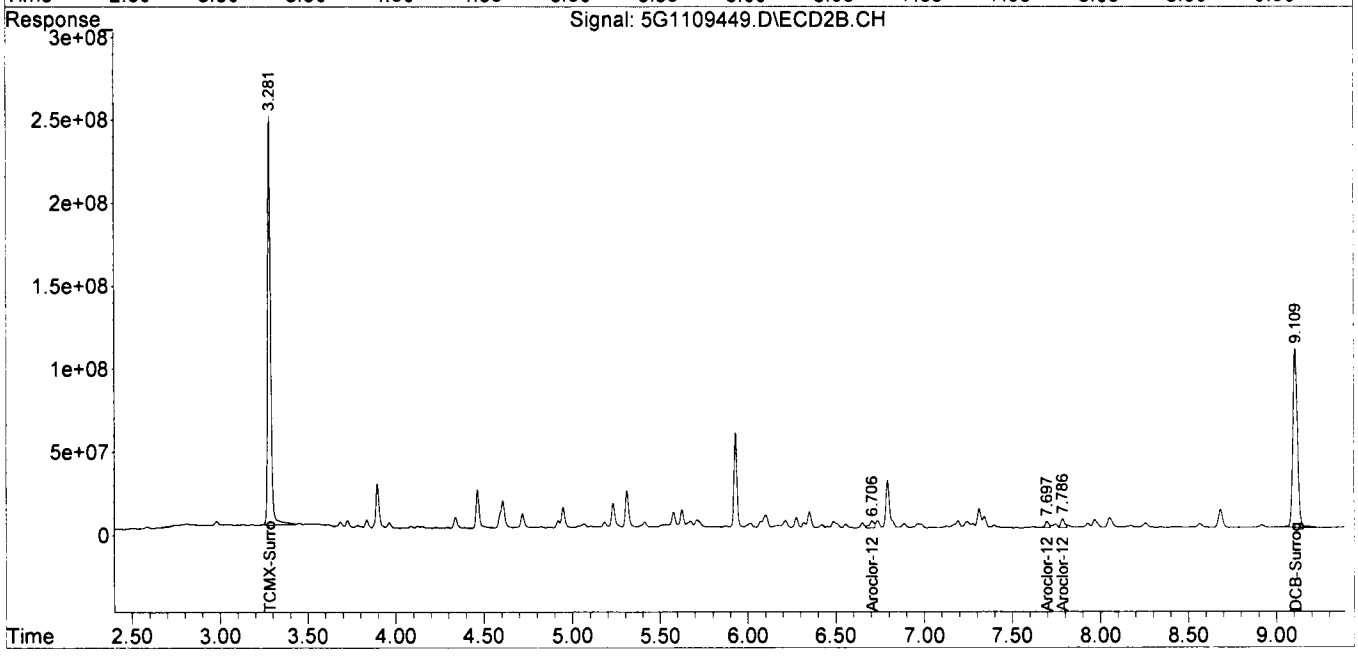
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109449.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 13:49:37
Operator : PR/KM/AH
Sample : AD48435-022
Misc : S,PCB
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:47:42 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-023
Client Id: SB-08-0-2.0'
Data File: 5G1109450.D
Analysis Date: 12/06/24 14:02
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 83

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.030	U	11097-69-1	Aroclor-1254	0.030	U
11104-28-2	Aroclor-1221	0.030	U	11096-82-5	Aroclor-1260	0.030	U
11141-16-5	Aroclor-1232	0.030	U	37324-23-5	Aroclor-1262	0.030	U
53469-21-9	Aroclor-1242	0.030	U	11100-14-4	Aroclor-1268	0.030	U
12672-29-6	Aroclor-1248	0.030	U	1336-36-3	Aroclor (Total)	0.030	U

Worksheet #: 764335

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109450.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 14:02:25
Operator : PR/KM/AH
Sample : AD48435-023
Misc : S,PCB
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:15:47 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.014	3.282	7147.1E6	2826.6E6	88.684m	93.766
45)	DCB-Surrogate	8.200	9.110	5638.8E6	2040.8E6	106.512	108.662

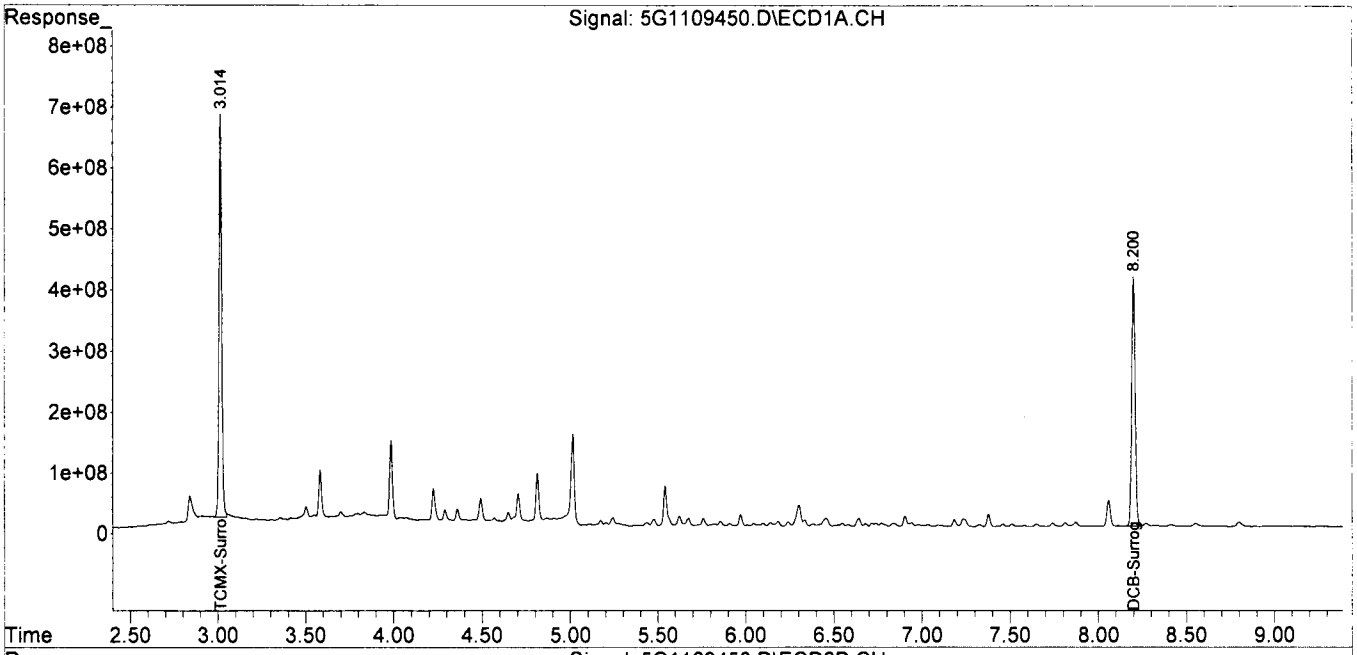
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

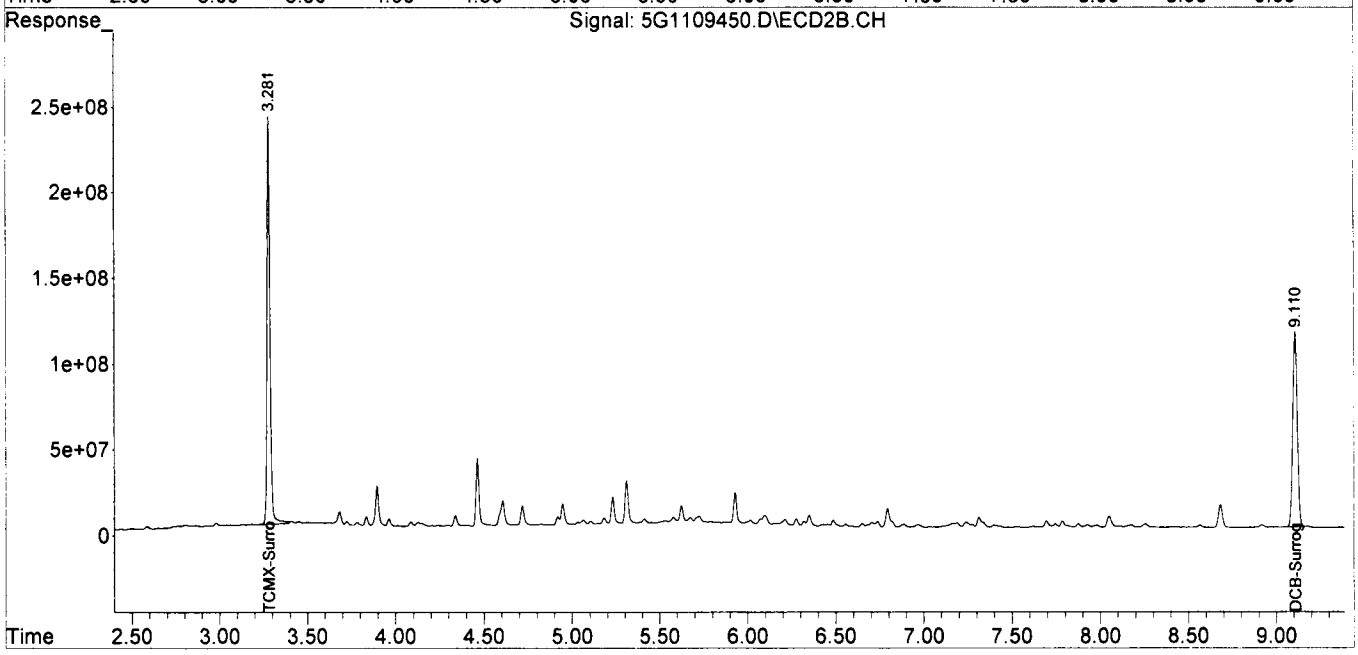
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_5\Data\12-06-24\
Data File : 5G1109450.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 06-Dec-24, 14:02:25
Operator : PR/KM/AH
Sample : AD48435-023
Misc : S,PCB
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:15:47 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48435-024
Client Id: SB-09-0-2.0'
Data File: 2G198115.D
Analysis Date: 12/06/24 14:15
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.027	U	11097-69-1	Aroclor-1254	0.027	U
11104-28-2	Aroclor-1221	0.027	U	11096-82-5	Aroclor-1260	0.027	U
11141-16-5	Aroclor-1232	0.027	U	37324-23-5	Aroclor-1262	0.027	U
53469-21-9	Aroclor-1242	0.027	U	11100-14-4	Aroclor-1268	0.027	U
12672-29-6	Aroclor-1248	0.027	U	1336-36-3	Aroclor (Total)	0.027	U

Worksheet #: 764404

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-06-24\
Data File : 2G198115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:15
Operator : AH/PR/KM
Sample : AD48435-024
Misc : S,PCB
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:41:47 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

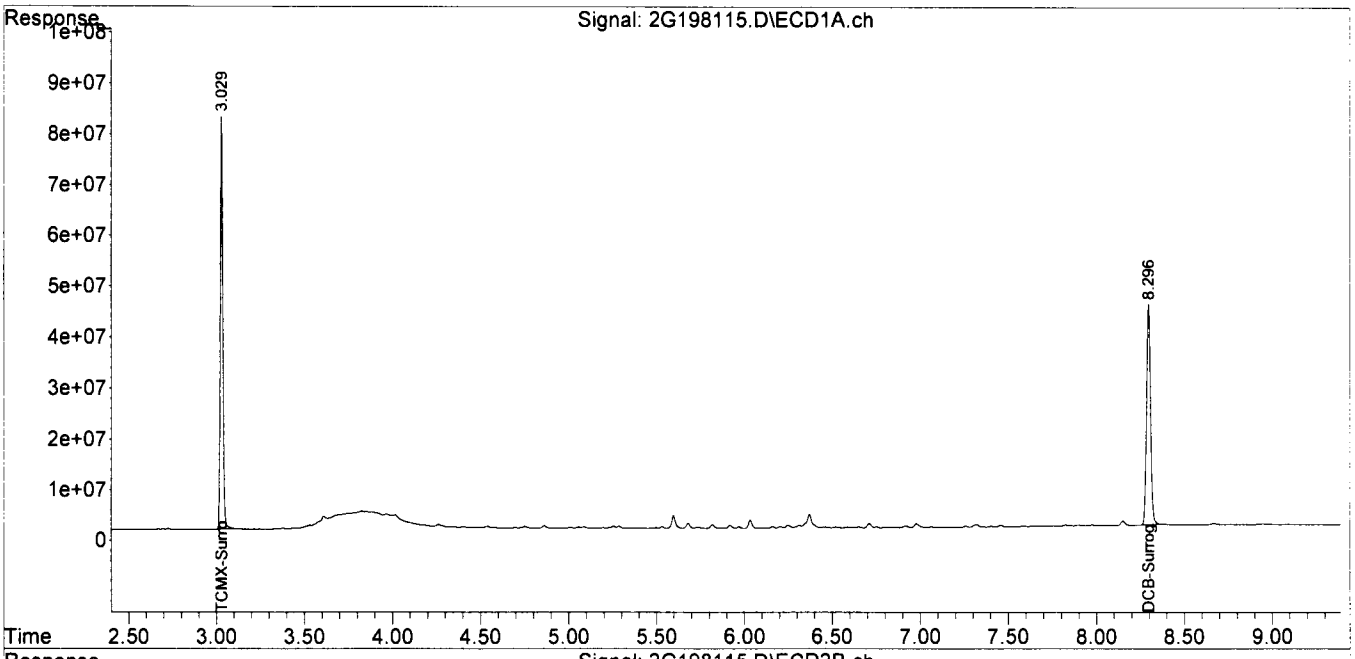
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.030	3.236	828.4E6	1174.2E6	91.437	89.425m
45)	DCB-Surrogate	8.296	9.114	682.4E6	924.6E6	94.757	94.819

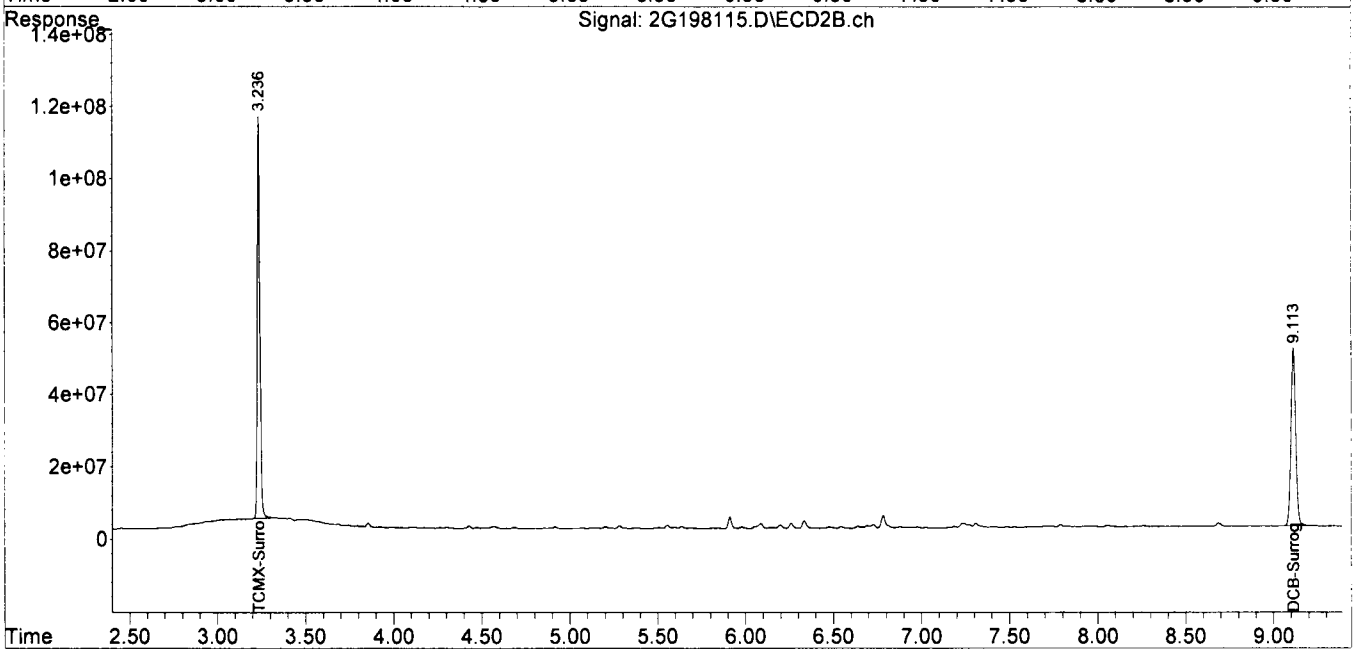
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-06-24\
Data File : 2G198115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:15
Operator : AH/PR/KM
Sample : AD48435-024
Misc : S,PCB
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:41:47 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-001
Client Id: SB-01-0-2.0'
Data File: 6G193918.D
Analysis Date: 12/06/24 11:06
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0058	U	53494-70-5	Endrin Ketone	0.0058	U
309-00-2	Aldrin	0.0058	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0058	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0058	U
319-86-8	delta-BHC	0.0058	U	72-43-5	Methoxychlor	0.0058	U
60-57-1	Dieldrin	0.0012	U	72-54-8	p,p'-DDD	0.0029	U
959-98-8	Endosulfan I	0.0058	U	72-55-9	p,p'-DDE	0.0029	U
33213-65-9	Endosulfan II	0.0058	U	50-29-3	p,p'-DDT	0.0029	U
1031-07-8	Endosulfan Sulfate	0.0058	U	8001-35-2	Toxaphene	0.029	U
72-20-8	Endrin	0.0058	U	5103-74-2	y-chlordane	0.0058	U
7421-93-4	Endrin Aldehyde	0.0058	U	57-74-9	Chlordane (Total)	0.0058	U

Worksheet #: 764353

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193918.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 11:06
Operator : AH/PR/KM
Sample : AD48435-001
Misc : S,PEST
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:45:23 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

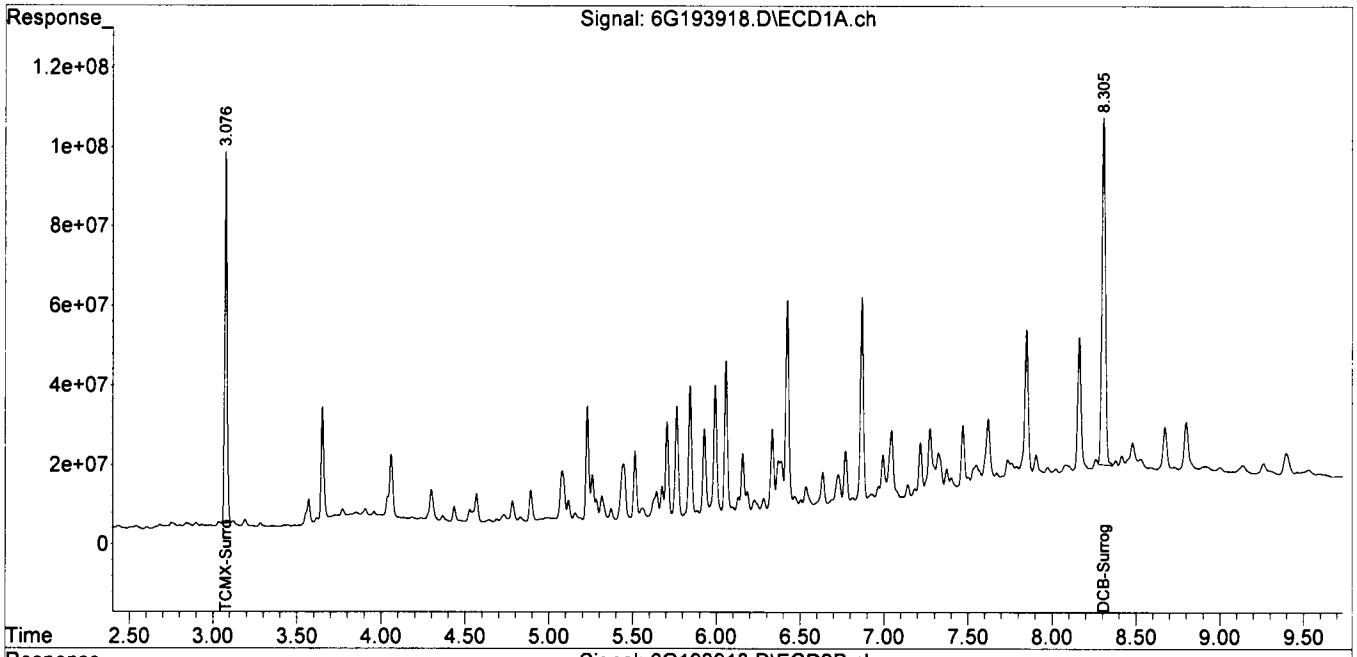
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.076	3.319	934.7E6	779.5E6	97.430m	103.891m
22)	DCB-Surrogate	8.305	9.400	1289.2E6	1083.1E6	151.350m	177.094m

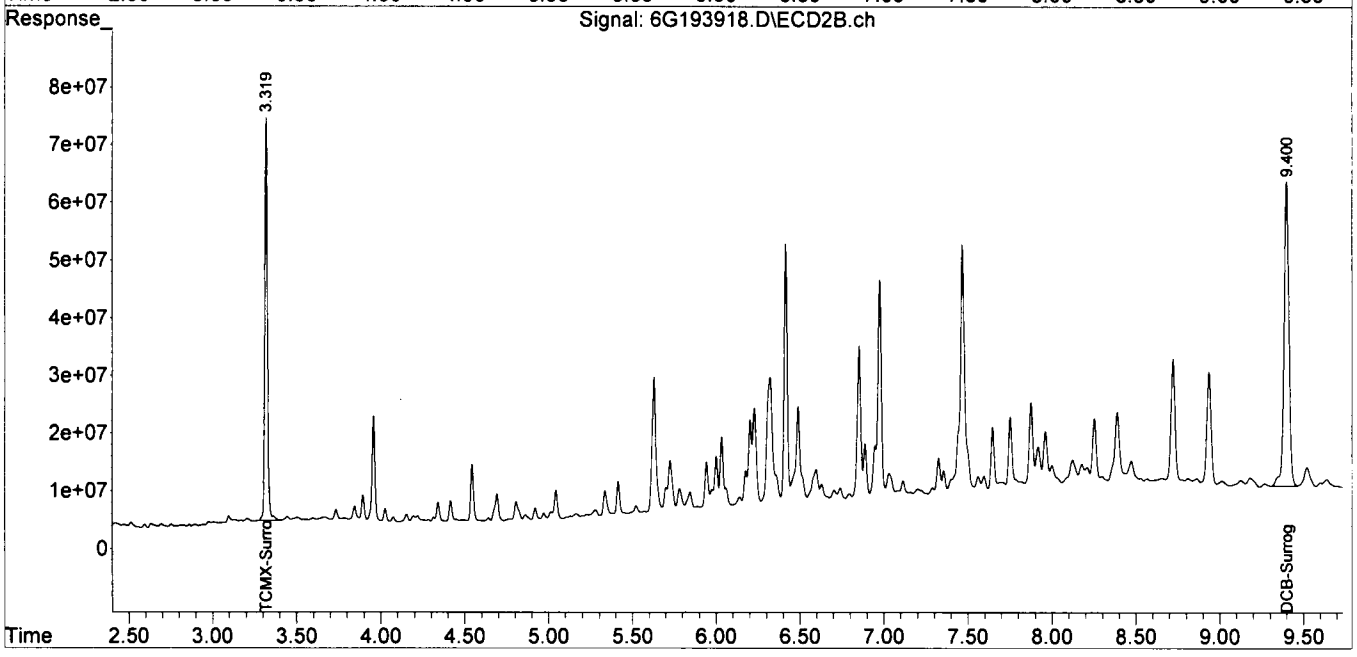
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193918.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 11:06
Operator : AH/PR/KM
Sample : AD48435-001
Misc : S,PEST
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:45:23 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-002
Client Id: SB-02-0-2.0'
Data File: 6G193919.D
Analysis Date: 12/06/24 11:18
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 87

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	**a-chlordane**	**0.0057**	**0.0091**	53494-70-5	Endrin Ketone	0.0057	U
309-00-2	Aldrin	0.0057	U	58-89-9	gamma-BHC	0.0011	U
319-84-6	alpha-BHC	0.0011	U	76-44-8	Heptachlor	0.0057	U
319-85-7	beta-BHC	0.0011	U	1024-57-3	Heptachlor Epoxide	0.0057	U
319-86-8	delta-BHC	0.0057	U	72-43-5	Methoxychlor	0.0057	U
60-57-1	Dieldrin	0.0011	U	**72-54-8**	**p,p'-DDD**	**0.0029**	**0.026**
959-98-8	Endosulfan I	0.0057	U	**72-55-9**	**p,p'-DDE**	**0.0029**	**0.033**
33213-65-9	Endosulfan II	0.0057	U	**50-29-3**	**p,p'-DDT**	**0.0029**	**0.011 d**
1031-07-8	Endosulfan Sulfate	0.0057	U	8001-35-2	Toxaphene	0.029	U
72-20-8	Endrin	0.0057	U	5103-74-2	y-chlordane	0.0057	U
7421-93-4	Endrin Aldehyde	0.0057	U	**57-74-9**	**Chlordane (Total)**	**0.0057**	**0.0091**

Worksheet #: 764353

Total Target Concentration 0.079

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 11:18
Operator : AH/PR/KM
Sample : AD48435-002
Misc : S,PEST
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:45:04 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

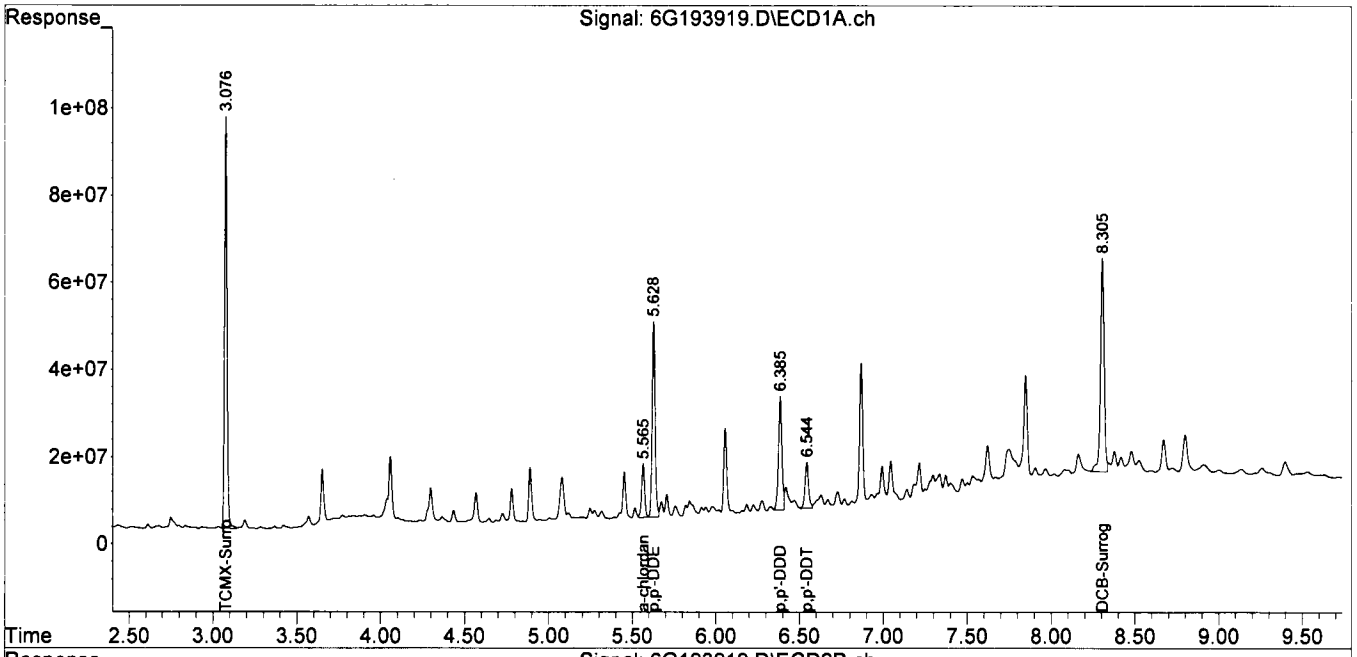
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.076	3.319	987.7E6	784.8E6	102.953	104.599m
10)a-chlordane	5.565	5.835	161.1E6	87462568	15.907	11.914 #
12)p,p'-DDE	5.628	6.061	567.5E6	400.1E6	57.483	56.036m
15)p,p'-DDD	6.385	6.631	381.6E6	194.1E6	44.533m	32.152m#
17)p,p'-DDT	6.544	6.947	157.9E6	202.3E6	19.382m	34.747m#
22)DCB-Surrogate	8.305	9.400	768.8E6	609.7E6	90.254m	99.693m

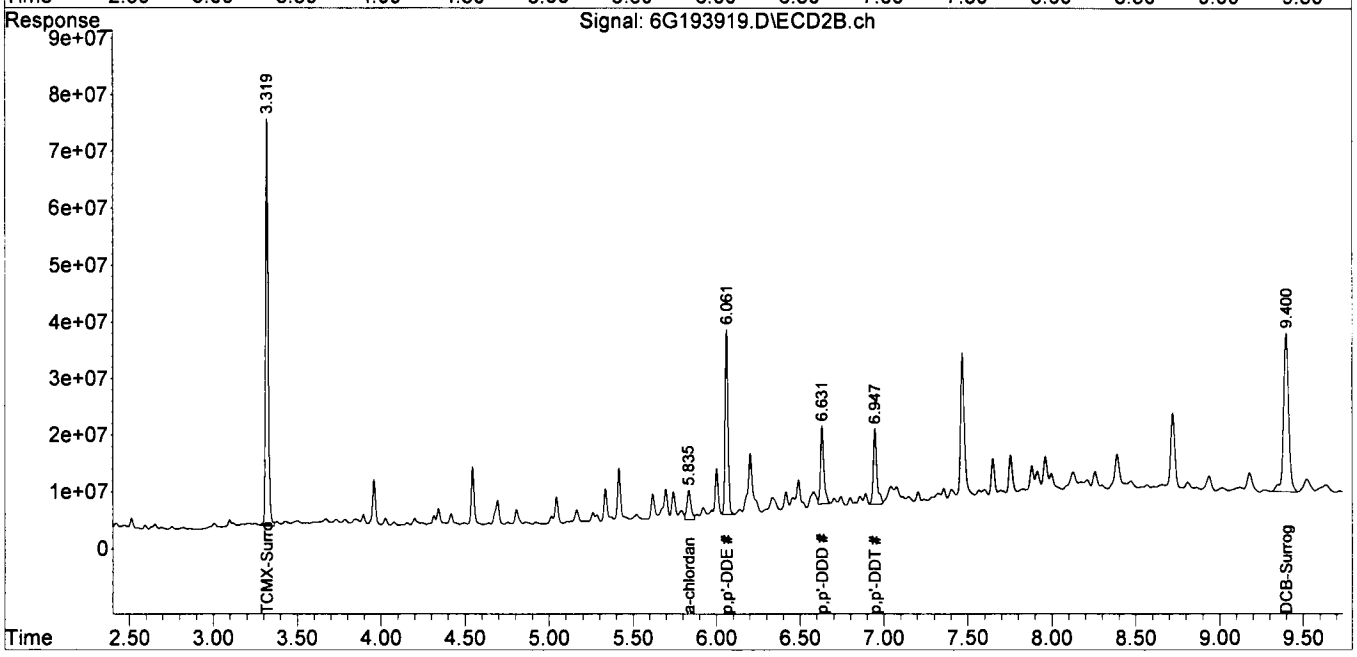
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 11:18
Operator : AH/PR/KM
Sample : AD48435-002
Misc : S,PEST
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:45:04 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-003
Client Id: SB-02-0-2.0' DUP
Data File: 6G193916.D
Analysis Date: 12/06/24 10:42
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	**(^)a-chlordane**	**0.0056**	**0.0056 d**	53494-70-5	Endrin Ketone	0.0056	U
309-00-2	Aldrin	0.0056	U	58-89-9	gamma-BHC	0.0011	U
319-84-6	alpha-BHC	0.0011	U	76-44-8	Heptachlor	0.0056	U
319-85-7	beta-BHC	0.0011	U	1024-57-3	Heptachlor Epoxide	0.0056	U
319-86-8	delta-BHC	0.0056	U	72-43-5	Methoxychlor	0.0056	U
60-57-1	Dieldrin	0.0011	U	**72-54-8**	**p,p'-DDD**	**0.0028**	**0.021**
959-98-8	Endosulfan I	0.0056	U	**72-55-9**	**p,p'-DDE**	**0.0028**	**0.027**
33213-65-9	Endosulfan II	0.0056	U	**50-29-3**	**p,p'-DDT**	**0.0028**	**0.0095 d**
1031-07-8	Endosulfan Sulfate	0.0056	U	8001-35-2	Toxaphene	0.028	U
72-20-8	Endrin	0.0056	U	5103-74-2	y-chlordane	0.0056	U
7421-93-4	Endrin Aldehyde	0.0056	U	**57-74-9**	**Chlordane (Total)**	**0.0056**	**0.0056**

Worksheet #: 764353

Total Target Concentration 0.058

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 10:42
Operator : AH/PR/KM
Sample : AD48435-003
Misc : S,PEST
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 10:53:47 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.076	3.319	977.4E6	760.4E6	101.878	101.350m
10)	a-chlordane	5.564	5.835	183.0E6	73963838	18.072m	10.075m#
12)	p,p'-DDE	5.628	6.060	484.5E6	331.1E6	49.074	46.383m
15)	p,p'-DDD	6.386	6.630	331.3E6	168.0E6	38.660m	27.820m#
17)	p,p'-DDT	6.544	6.946	139.9E6	195.8E6	17.170m	33.624m#
22)	DCB-Surrogate	8.306	9.400	834.0E6	643.9E6	97.910m	105.277m

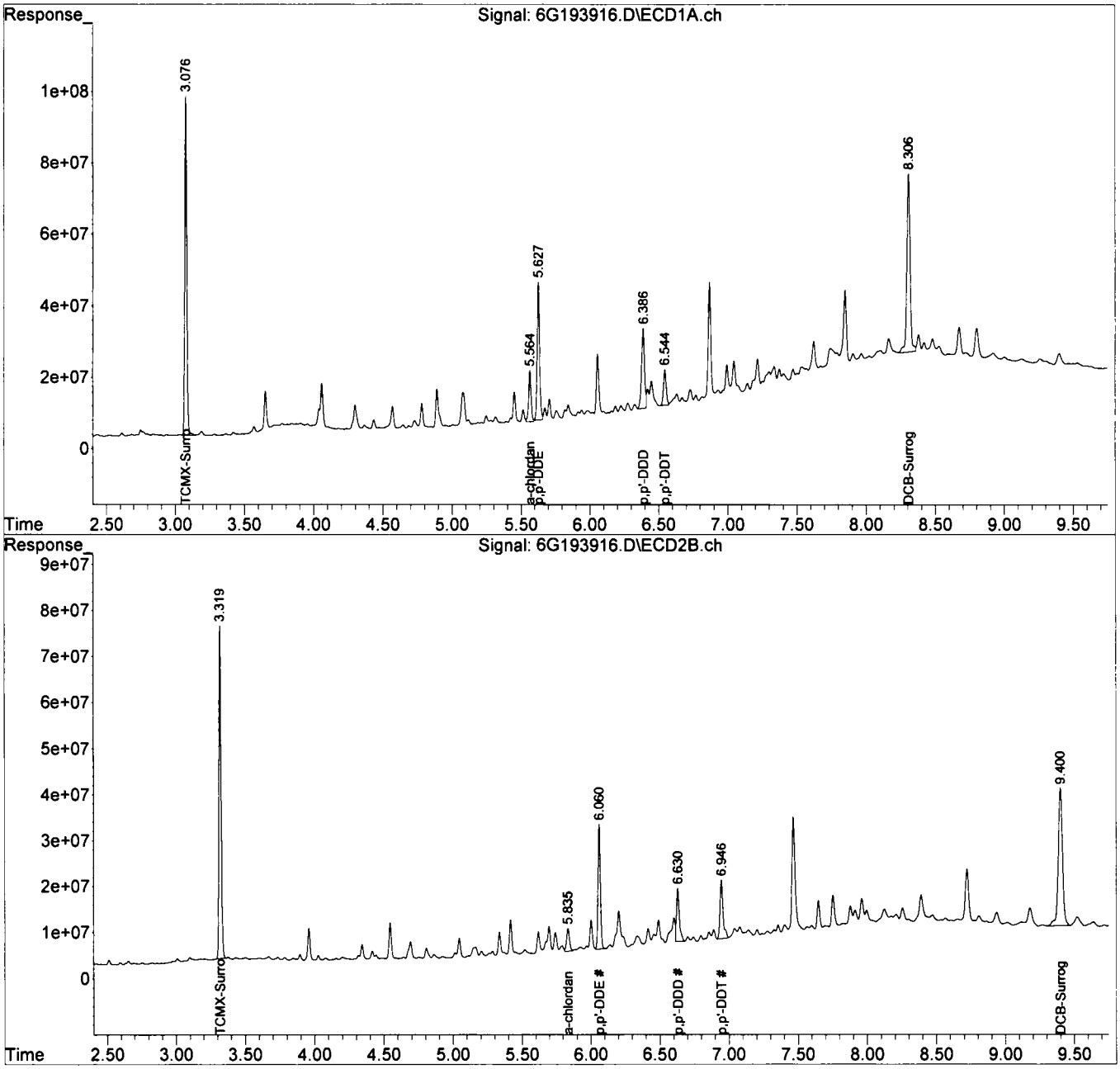
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 10:42
Operator : AH/PR/KM
Sample : AD48435-003
Misc : S,PEST
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 10:53:47 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32



Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-004
Client Id: SB-03-0-2.0'
Data File: 6G193917.D
Analysis Date: 12/06/24 10:54
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0056	U	53494-70-5	Endrin Ketone	0.0056	U
309-00-2	Aldrin	0.0056	U	58-89-9	gamma-BHC	0.0011	U
319-84-6	alpha-BHC	0.0011	U	76-44-8	Heptachlor	0.0056	U
319-85-7	beta-BHC	0.0011	U	1024-57-3	Heptachlor Epoxide	0.0056	U
319-86-8	delta-BHC	0.0056	U	72-43-5	Methoxychlor	0.0056	U
60-57-1	Dieldrin	0.0011	U	72-54-8	p,p'-DDD	0.0028	U
959-98-8	Endosulfan I	0.0056	U	**72-55-9**	**p,p'-DDE**	**0.0028**	**0.012**
33213-65-9	Endosulfan II	0.0056	U	50-29-3	p,p'-DDT	0.0028	U
1031-07-8	Endosulfan Sulfate	0.0056	U	8001-35-2	Toxaphene	0.028	U
72-20-8	Endrin	0.0056	U	5103-74-2	y-chlordane	0.0056	U
7421-93-4	Endrin Aldehyde	0.0056	U	57-74-9	Chlordane (Total)	0.0056	U

Worksheet #: 764353

Total Target Concentration 0.012

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 10:54
Operator : AH/PR/KM
Sample : AD48435-004
Misc : S,PEST
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:45:38 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

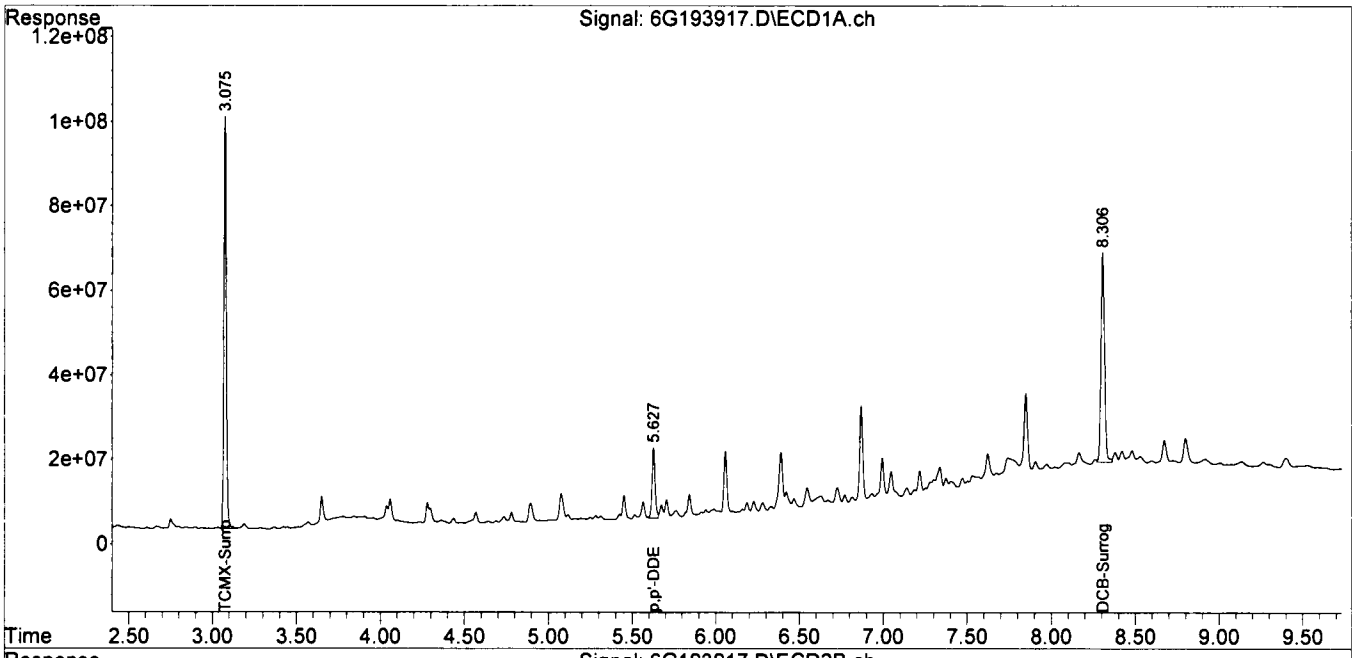
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.076	3.319	1002.1E6	788.4E6	104.450	105.077m
12)	p,p'-DDE	5.627	6.060	214.9E6	138.3E6	21.766m	19.371m
22)	DCB-Surrogate	8.306	9.399	751.3E6	628.4E6	88.193m	102.751m

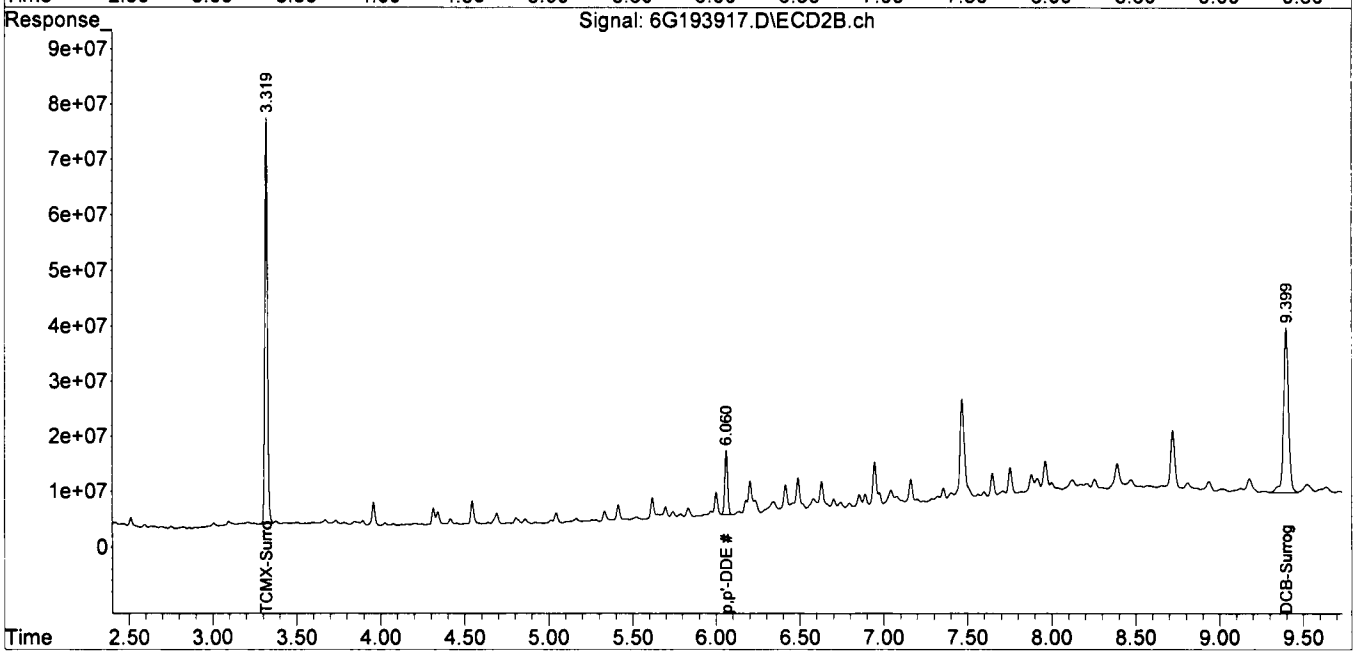
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 10:54
Operator : AH/PR/KM
Sample : AD48435-004
Misc : S,PEST
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:45:38 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-005
Client Id: SB-04-0-2.0'
Data File: 6G193915.D
Analysis Date: 12/06/24 10:29
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 71

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0070	U	53494-70-5	Endrin Ketone	0.0070	U
309-00-2	Aldrin	0.0070	U	58-89-9	gamma-BHC	0.0014	U
319-84-6	alpha-BHC	0.0014	U	76-44-8	Heptachlor	0.0070	U
319-85-7	beta-BHC	0.0014	U	1024-57-3	Heptachlor Epoxide	0.0070	U
319-86-8	delta-BHC	0.0070	U	72-43-5	Methoxychlor	0.0070	U
60-57-1	Dieldrin	0.0014	U	72-54-8	p,p'-DDD	0.0035	U
959-98-8	Endosulfan I	0.0070	U	72-55-9	p,p'-DDE	0.0035	U
33213-65-9	Endosulfan II	0.0070	U	50-29-3	p,p'-DDT	0.0035	U
1031-07-8	Endosulfan Sulfate	0.0070	U	8001-35-2	Toxaphene	0.035	U
72-20-8	Endrin	0.0070	U	5103-74-2	y-chlordane	0.0070	U
7421-93-4	Endrin Aldehyde	0.0070	U	57-74-9	Chlordane (Total)	0.0070	U

Worksheet #: 764353

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193915.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 10:29
Operator : AH/PR/KM
Sample : AD48435-005
Misc : S,PEST
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:55:27 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

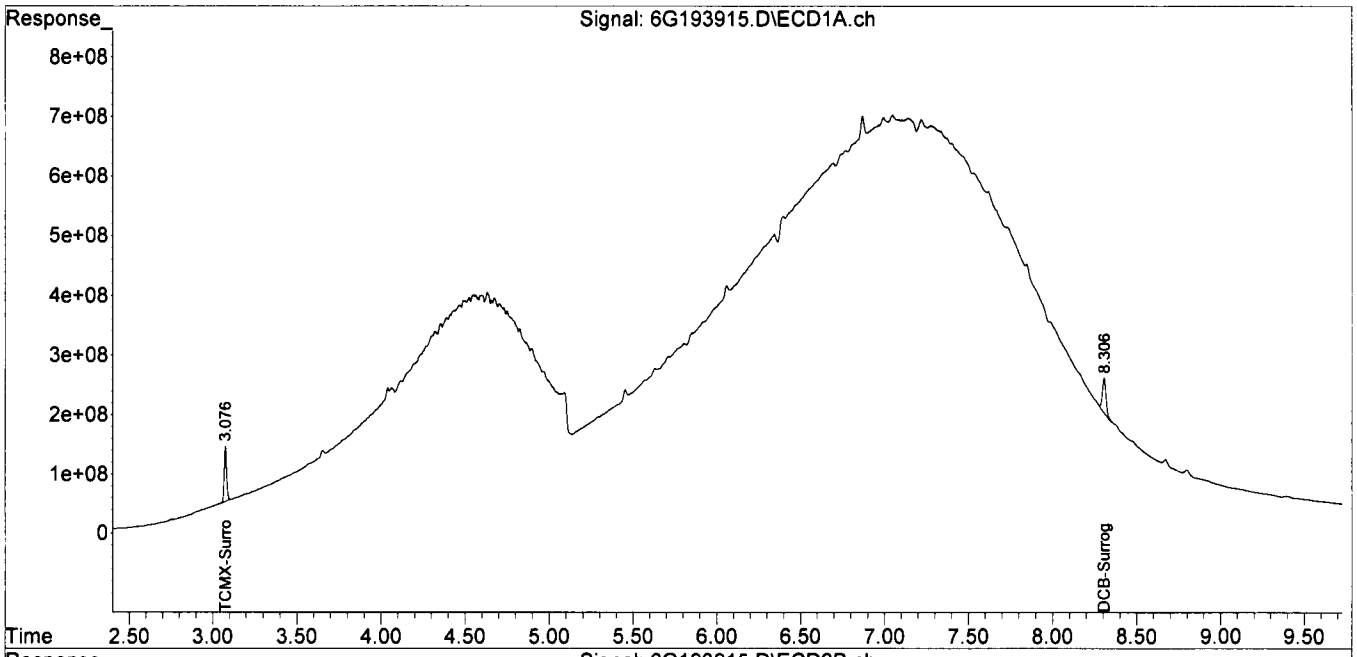
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.076	3.319	946.3E6	754.6E6	98.634m	100.577m
22)	DCB-Surrogate	8.306	9.399	910.0E6	619.6E6	106.834m	101.305m

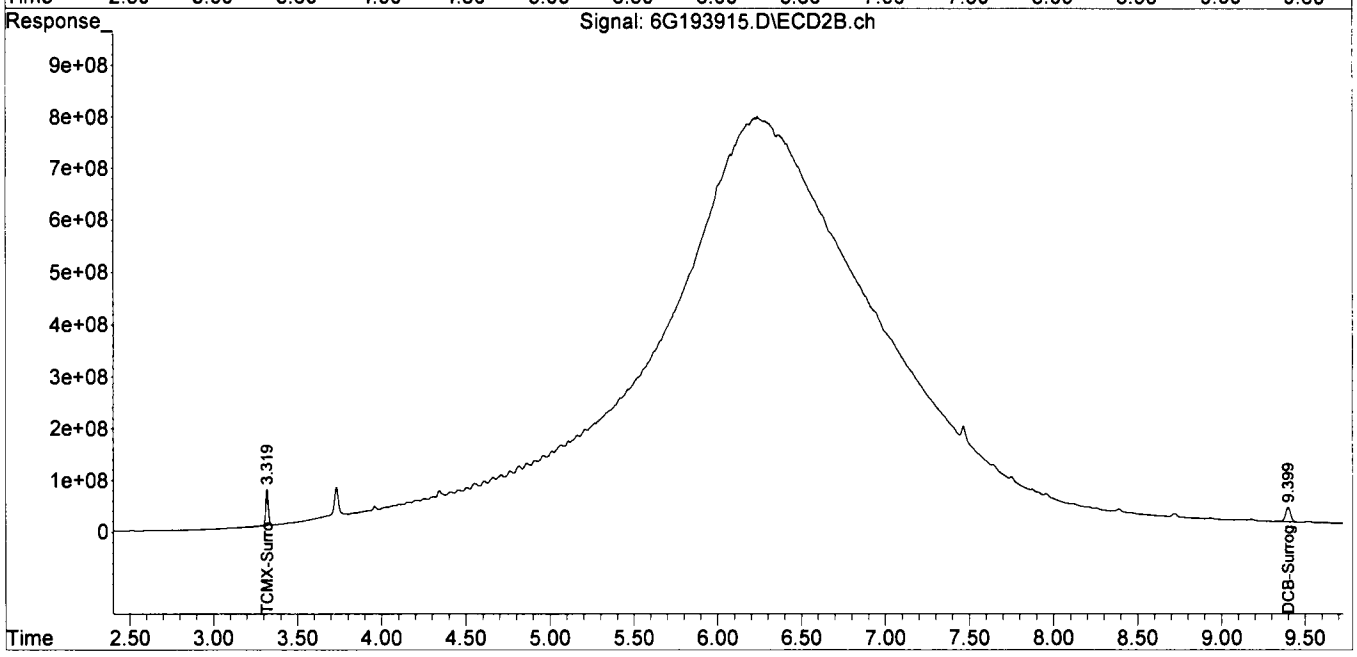
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193915.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 10:29
Operator : AH/PR/KM
Sample : AD48435-005
Misc : S,PEST
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:55:27 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-006
Client Id: SB-01-5.5-6.0'
Data File: 6G193914.D
Analysis Date: 12/06/24 10:17
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 83

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0060	U	53494-70-5	Endrin Ketone	0.0060	U
309-00-2	Aldrin	0.0060	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0060	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0060	U
319-86-8	delta-BHC	0.0060	U	72-43-5	Methoxychlor	0.0060	U
60-57-1	Dieldrin	0.0012	U	**72-54-8**	**p,p'-DDD**	**0.0030**	**0.0095**
959-98-8	Endosulfan I	0.0060	U	72-55-9	p,p'-DDE	0.0030	U
33213-65-9	Endosulfan II	0.0060	U	**50-29-3**	**p,p'-DDT**	**0.0030**	**0.0031 d**
1031-07-8	Endosulfan Sulfate	0.0060	U	8001-35-2	Toxaphene	0.030	U
72-20-8	Endrin	0.0060	U	5103-74-2	y-chlordane	0.0060	U
7421-93-4	Endrin Aldehyde	0.0060	U	57-74-9	Chlordane (Total)	0.0060	U

Worksheet #: 764358

Total Target Concentration 0.013

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 10:17
Operator : AH/PR/KM
Sample : AD48435-006
Misc : S,PEST
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 16:22:37 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.075	3.318	837.4E6	690.0E6	87.290m	91.965m
15)p,p'-DDD	6.387	6.631	134.9E6	34311656	15.744m	5.682m#
17)p,p'-DDT	6.534	6.948	42481993	85820889	5.214m	14.741m#
22)DCB-Surrogate	8.308	9.401	10286.1E6	8057.1E6	1207.519m	1317.415

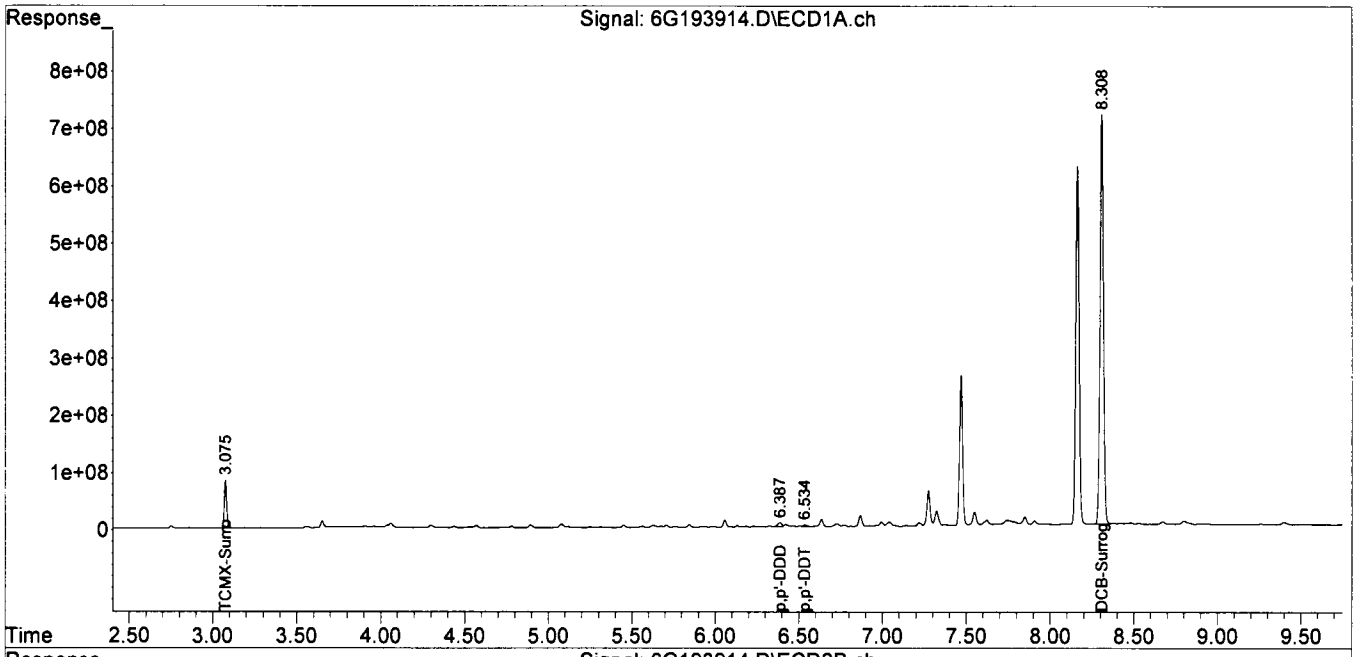
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

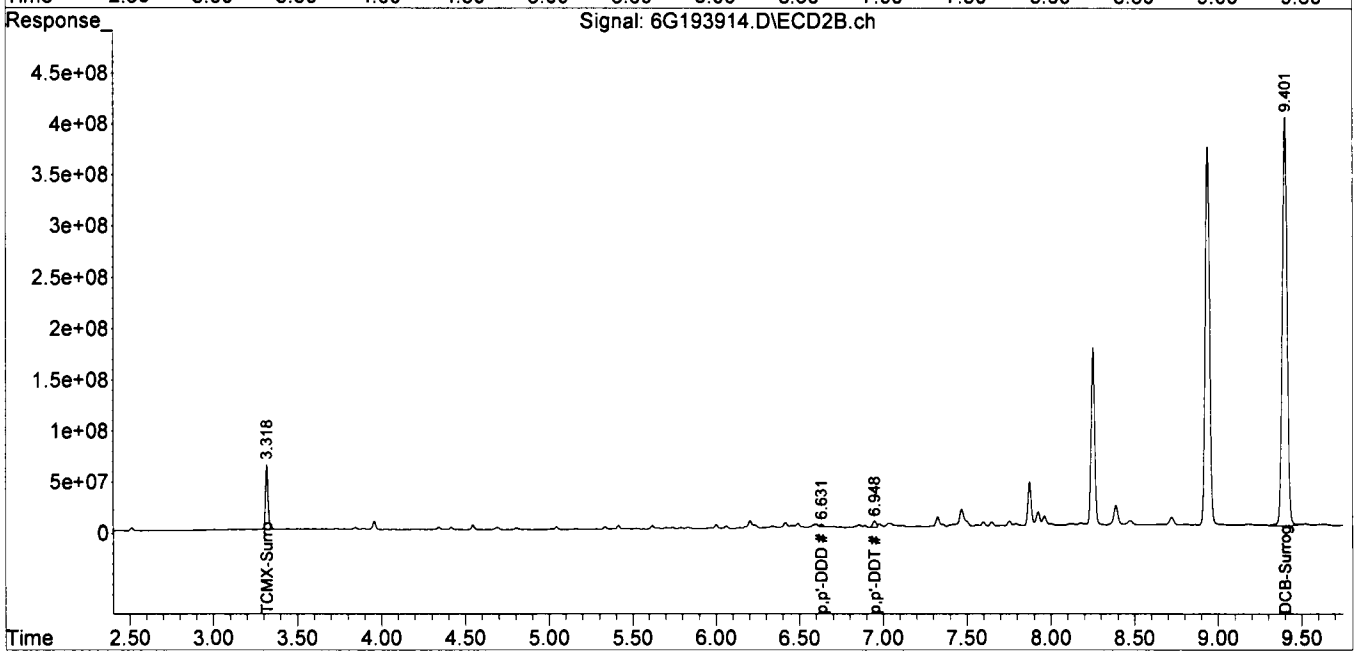
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 10:17
Operator : AH/PR/KM
Sample : AD48435-006
Misc : S,PEST
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 16:22:37 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-008
Client Id: SB-06-0-2.0'
Data File: 6G193913.D
Analysis Date: 12/06/24 10:05
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0058	U	53494-70-5	Endrin Ketone	0.0058	U
309-00-2	Aldrin	0.0058	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0058	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0058	U
319-86-8	delta-BHC	0.0058	U	72-43-5	Methoxychlor	0.0058	U
60-57-1	Dieldrin	0.0012	U	**72-54-8**	**p,p'-DDD**	**0.0029**	**0.013**
959-98-8	Endosulfan I	0.0058	U	**72-55-9**	**(^)p,p'-DDE**	**0.0029**	**0.034**
33213-65-9	Endosulfan II	0.0058	U	**50-29-3**	**p,p'-DDT**	**0.0029**	**0.0053 d**
1031-07-8	Endosulfan Sulfate	0.0058	U	8001-35-2	Toxaphene	0.029	U
72-20-8	Endrin	0.0058	U	5103-74-2	y-chlordane	0.0058	U
7421-93-4	Endrin Aldehyde	0.0058	U	57-74-9	Chlordane (Total)	0.0058	U

Worksheet #: 764353

Total Target Concentration 0.018

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 10:05
Operator : AH/PR/KM
Sample : AD48435-008
Misc : S,PEST
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 10:30:36 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.075	3.318	975.3E6	773.3E6	101.657	103.066m
12)	p,p'-DDE	5.628	6.060	570.2E6	421.2E6	57.752m	58.998m
15)	p,p'-DDD	6.386	6.630	186.8E6	100.4E6	21.798m	16.632m
17)	p,p'-DDT	6.545	6.946	73810620	81086940	9.058m	13.928m#
22)	DCB-Surrogate	8.306	9.400	727.7E6	652.4E6	85.424m	106.675

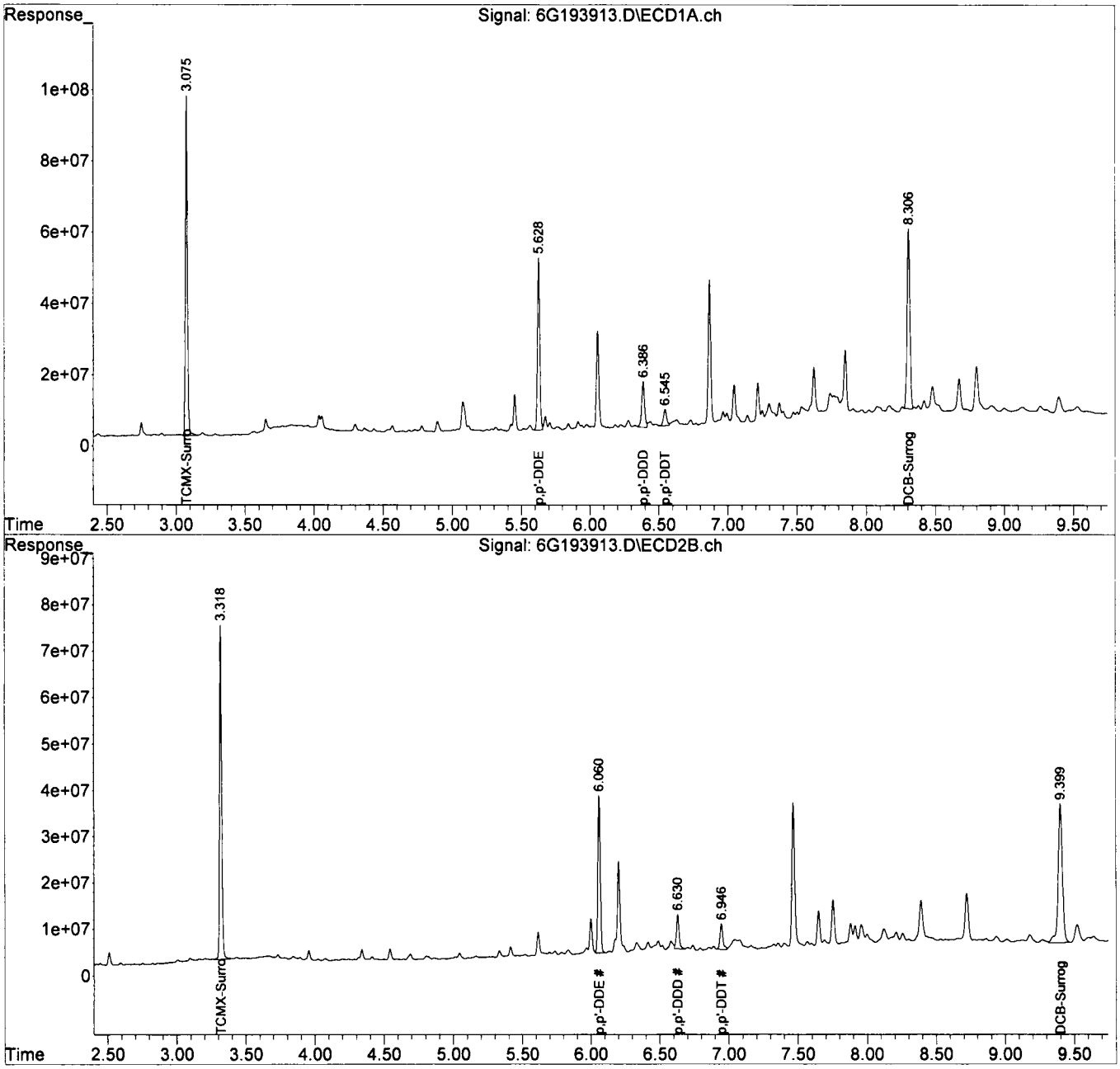
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 10:05
Operator : AH/PR/KM
Sample : AD48435-008
Misc : S,PEST
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 10:30:36 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32



Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-009
Client Id: SB-16-0-2.0'
Data File: 6G193926.D
Analysis Date: 12/06/24 12:52
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0057	U	53494-70-5	Endrin Ketone	0.0057	U
309-00-2	Aldrin	0.0057	U	58-89-9	gamma-BHC	0.0011	U
319-84-6	alpha-BHC	0.0011	U	76-44-8	Heptachlor	0.0057	U
319-85-7	beta-BHC	0.0011	U	1024-57-3	Heptachlor Epoxide	0.0057	U
319-86-8	delta-BHC	0.0057	U	72-43-5	Methoxychlor	0.0057	U
60-57-1	Dieldrin	0.0011	U	72-54-8	p,p'-DDD	0.0028	U
959-98-8	Endosulfan I	0.0057	U	**72-55-9**	**p,p'-DDE**	**0.0028**	**0.012**
33213-65-9	Endosulfan II	0.0057	U	**50-29-3**	**(^)p,p'-DDT**	**0.0028**	**0.010**
1031-07-8	Endosulfan Sulfate	0.0057	U	8001-35-2	Toxaphene	0.028	U
72-20-8	Endrin	0.0057	U	5103-74-2	y-chlordane	0.0057	U
7421-93-4	Endrin Aldehyde	0.0057	U	57-74-9	Chlordane (Total)	0.0057	U

Worksheet #: 764353

Total Target Concentration 0.012

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193926.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 12:52
Operator : AH/PR/KM
Sample : AD48435-009
Misc : S,PEST
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:26:48 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.073	3.316	917.5E6	729.4E6	95.635m	97.217m
12)	p,p'-DDE	5.627	6.059	205.3E6	132.5E6	20.799	18.558m
17)	p,p'-DDT	6.544	6.945	110.7E6	105.5E6	13.580m	18.118m#
22)	DCB-Surrogate	8.305	9.397	771.0E6	721.4E6	90.512m	117.952m#

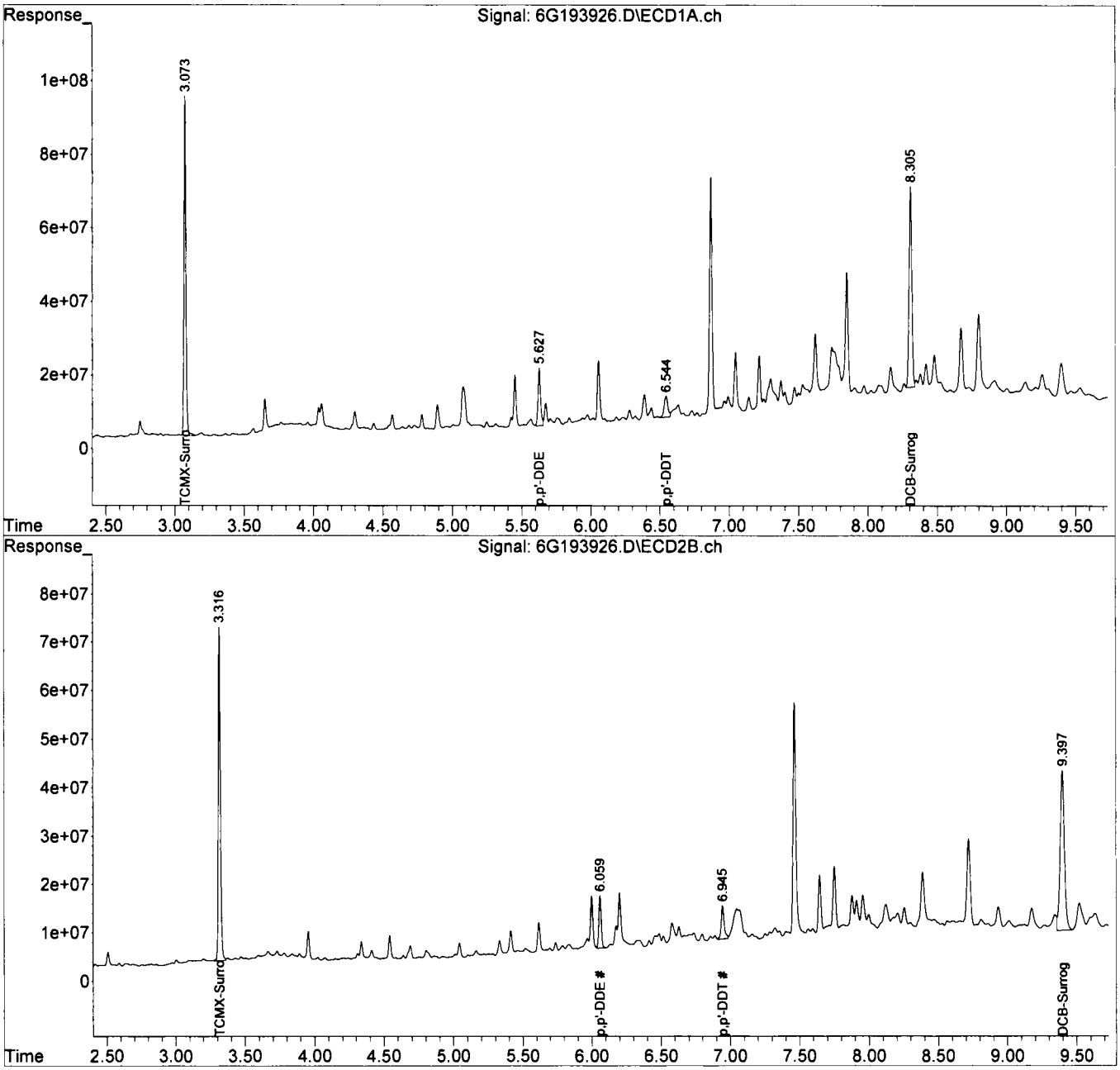
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193926.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 12:52
Operator : AH/PR/KM
Sample : AD48435-009
Misc : S,PEST
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:26:48 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32



Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-010
Client Id: SB-21-0-2.0'
Data File: 6G193925.D
Analysis Date: 12/06/24 12:40
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0056	U	53494-70-5	Endrin Ketone	0.0056	U
309-00-2	Aldrin	0.0056	U	58-89-9	gamma-BHC	0.0011	U
319-84-6	alpha-BHC	0.0011	U	76-44-8	Heptachlor	0.0056	U
319-85-7	beta-BHC	0.0011	U	1024-57-3	Heptachlor Epoxide	0.0056	U
319-86-8	delta-BHC	0.0056	U	72-43-5	Methoxychlor	0.0056	U
60-57-1	Dieldrin	0.0011	U	72-54-8	p,p'-DDD	0.0028	U
959-98-8	Endosulfan I	0.0056	U	72-55-9	p,p'-DDE	0.0028	U
33213-65-9	Endosulfan II	0.0056	U	50-29-3	p,p'-DDT	0.0028	U
1031-07-8	Endosulfan Sulfate	0.0056	U	8001-35-2	Toxaphene	0.028	U
72-20-8	Endrin	0.0056	U	5103-74-2	y-chlordane	0.0056	U
7421-93-4	Endrin Aldehyde	0.0056	U	57-74-9	Chlordane (Total)	0.0056	U

Worksheet #: 764353

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193925.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 12:40
Operator : AH/PR/KM
Sample : AD48435-010
Misc : S,PEST
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:43:56 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.067	3.303	913.8E6	736.3E6	95.248m	98.132m
22)	DCB-Surrogate	8.301	9.387	778.0E6	730.6E6	91.332m	119.463m#

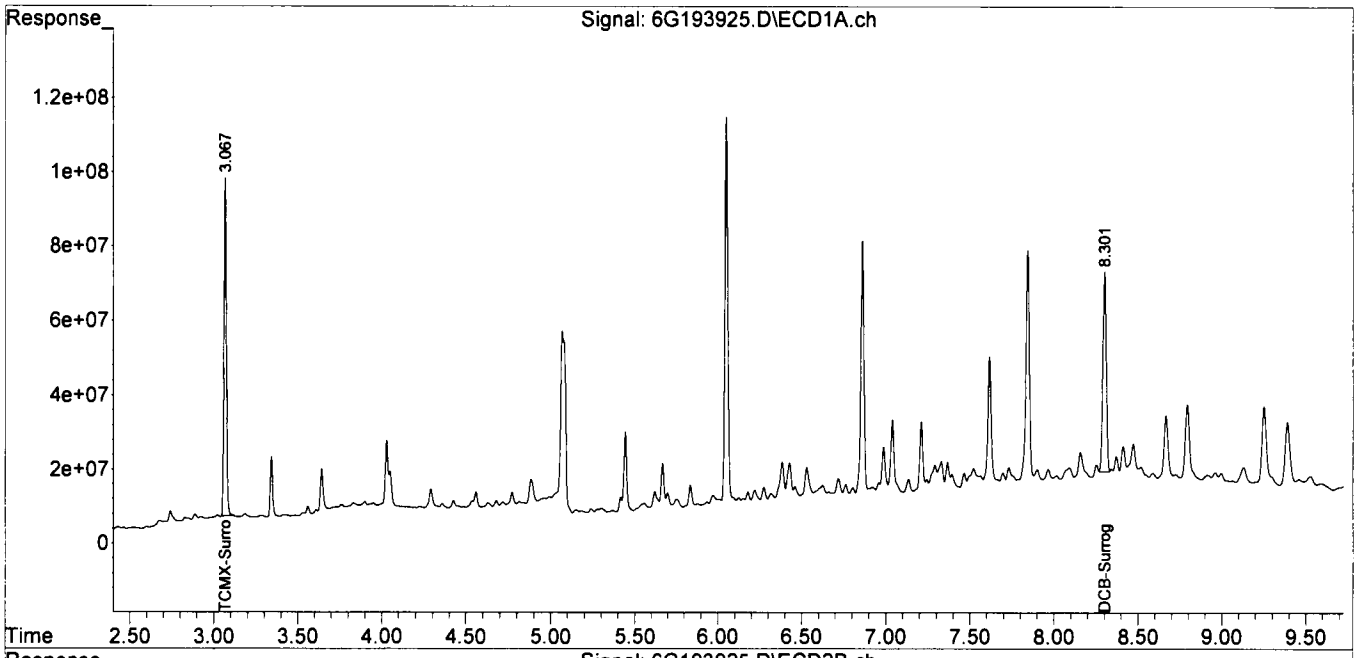
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

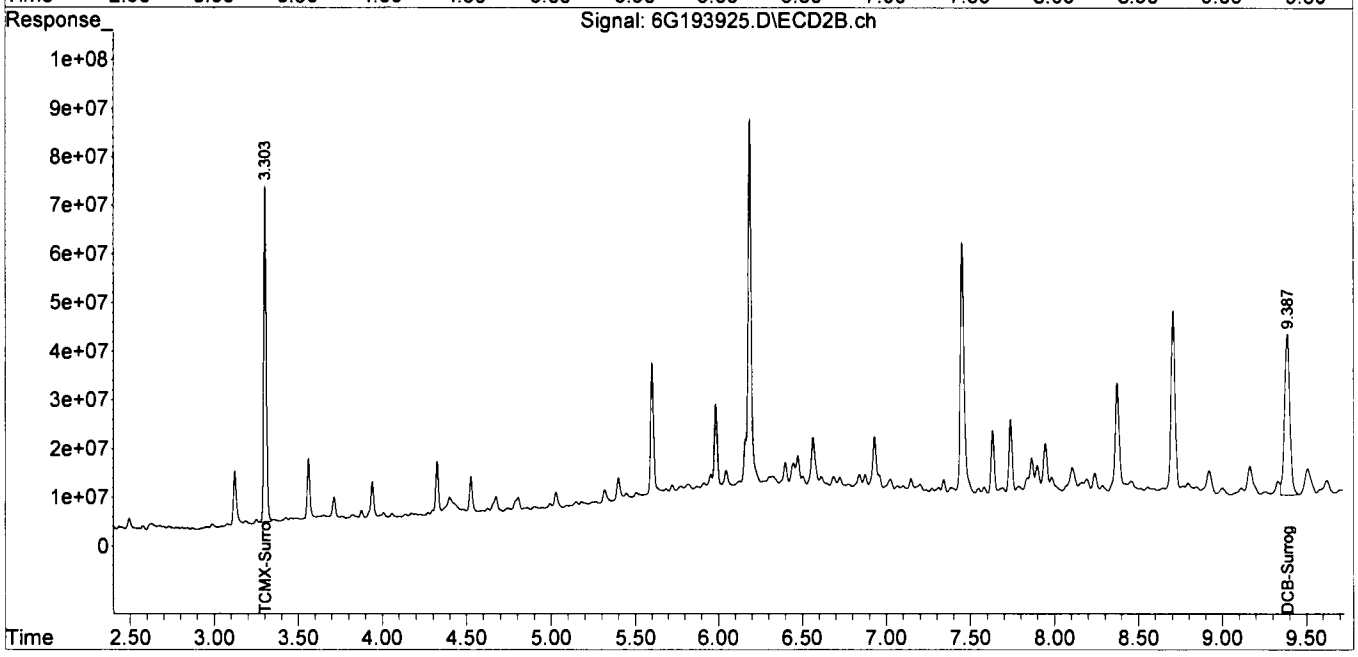
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193925.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 12:40
Operator : AH/PR/KM
Sample : AD48435-010
Misc : S,PEST
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:43:56 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-011
Client Id: SB-15-0-2.0'
Data File: 6G193928.D
Analysis Date: 12/06/24 13:17
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0058	U	53494-70-5	Endrin Ketone	0.0058	U
309-00-2	Aldrin	0.0058	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0058	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0058	U
319-86-8	delta-BHC	0.0058	U	72-43-5	Methoxychlor	0.0058	U
60-57-1	Dieldrin	0.0012	U	72-54-8	p,p'-DDD	0.0029	U
959-98-8	Endosulfan I	0.0058	U	**72-55-9**	**(^)p,p'-DDE**	**0.0029**	**0.0036 d**
33213-65-9	Endosulfan II	0.0058	U	**50-29-3**	**p,p'-DDT**	**0.0029**	**0.0041 d**
1031-07-8	Endosulfan Sulfate	0.0058	U	8001-35-2	Toxaphene	0.029	U
72-20-8	Endrin	0.0058	U	5103-74-2	y-chlordane	0.0058	U
7421-93-4	Endrin Aldehyde	0.0058	U	57-74-9	Chlordane (Total)	0.0058	U

Worksheet #: 764353

Total Target Concentration 0.0041

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193928.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 13:17
Operator : AH/PR/KM
Sample : AD48435-011 (Sig #1); AD48345-011 (Sig #2)
Misc : S,PEST
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:34:45 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

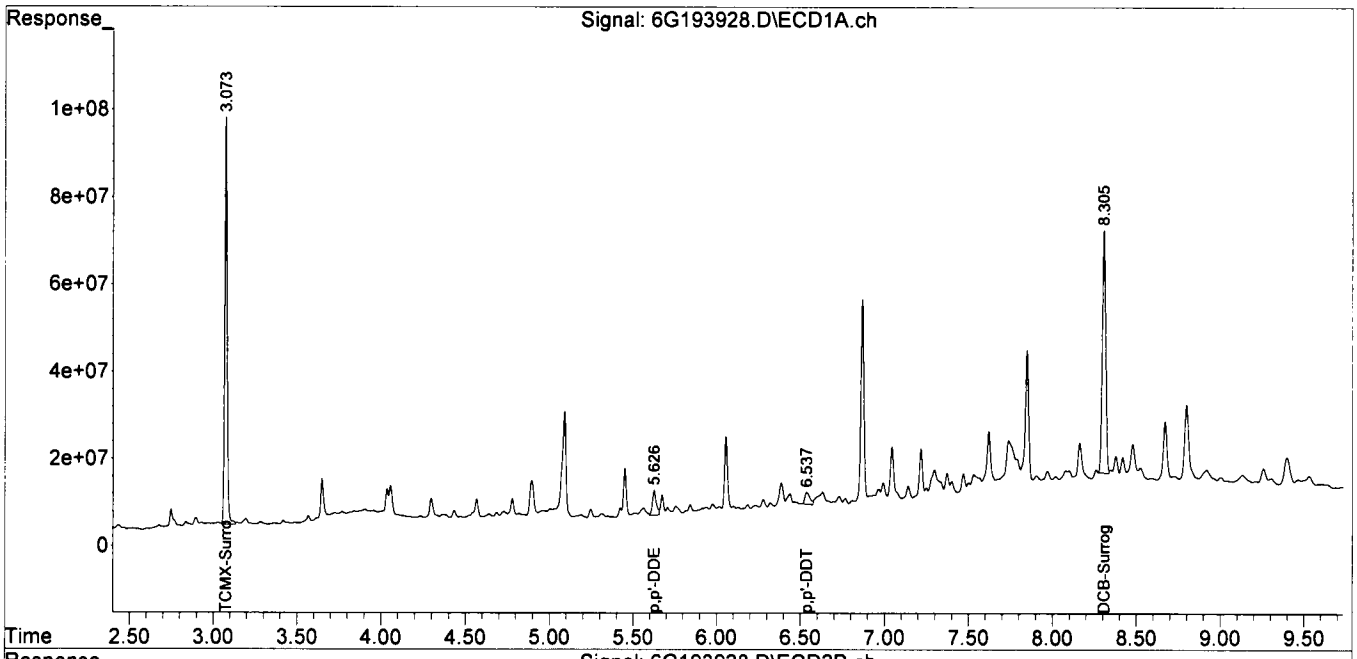
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.073	3.317	959.7E6	755.3E6	100.034m	100.658m
12)	p,p'-DDE	5.627	6.060	94391853	43662373	9.561	6.116m#
17)	p,p'-DDT	6.537	6.944	57630584	63328567	7.073m	10.878m#
22)	DCB-Surrogate	8.305	9.397	811.0E6	758.1E6	95.202m	123.954m#

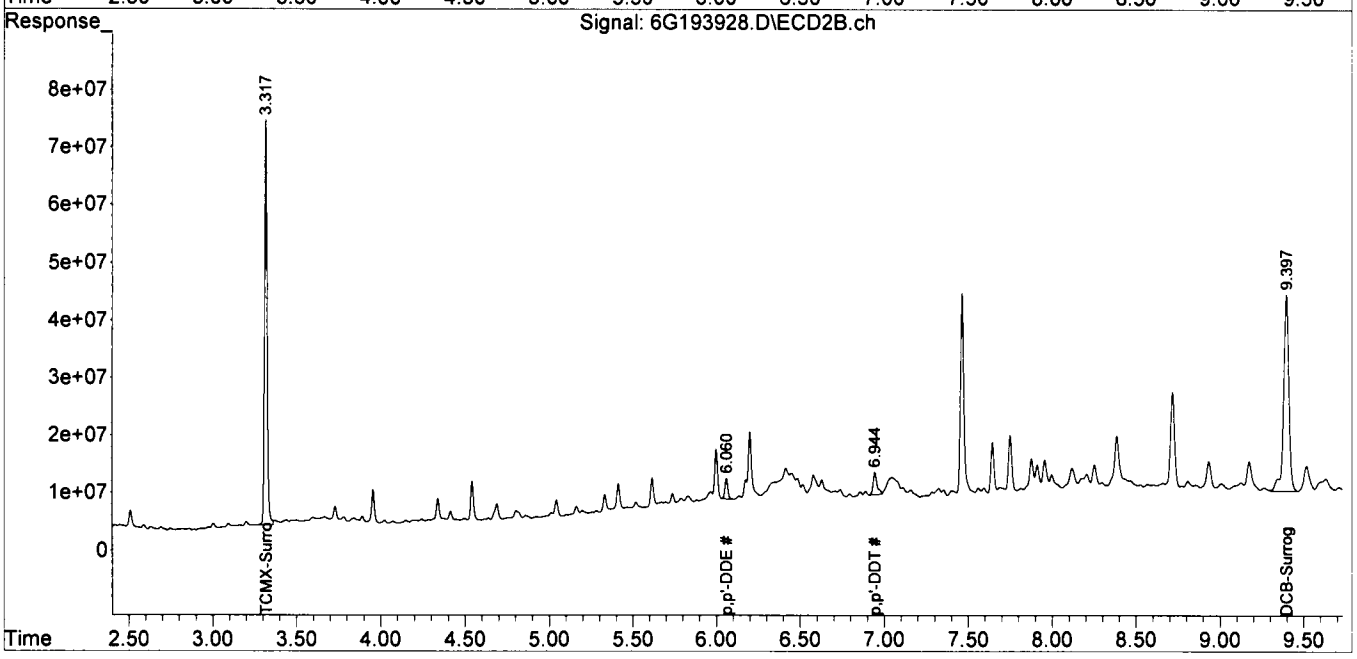
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193928.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 13:17
Operator : AH/PR/KM
Sample : AD48435-011 (Sig #1); AD48345-011 (Sig #2)
Misc : S,PEST
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:34:45 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-012
Client Id: SB-20-0-2.0'
Data File: 6G193927.D
Analysis Date: 12/06/24 13:04
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 89

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0056	U	53494-70-5	Endrin Ketone	0.0056	U
309-00-2	Aldrin	0.0056	U	58-89-9	gamma-BHC	0.0011	U
319-84-6	alpha-BHC	0.0011	U	76-44-8	Heptachlor	0.0056	U
319-85-7	beta-BHC	0.0011	U	1024-57-3	Heptachlor Epoxide	0.0056	U
319-86-8	delta-BHC	0.0056	U	72-43-5	Methoxychlor	0.0056	U
60-57-1	Dieldrin	0.0011	U	**72-54-8**	**p,p'-DDD**	**0.0028**	**0.0053**
959-98-8	Endosulfan I	0.0056	U	**72-55-9**	**p,p'-DDE**	**0.0028**	**0.014**
33213-65-9	Endosulfan II	0.0056	U	**50-29-3**	**(^)p,p'-DDT**	**0.0028**	**0.0069**
1031-07-8	Endosulfan Sulfate	0.0056	U	8001-35-2	Toxaphene	0.028	U
72-20-8	Endrin	0.0056	U	5103-74-2	y-chlordane	0.0056	U
7421-93-4	Endrin Aldehyde	0.0056	U	57-74-9	Chlordane (Total)	0.0056	U

Worksheet #: 764358

Total Target Concentration 0.019

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193927.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 13:04
Operator : AH/PR/KM
Sample : AD48435-012 (Sig #1); AD48345-012 (Sig #2)
Misc : S,PEST
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 16:22:57 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.073	3.317	941.0E6	757.7E6	98.085m	100.989m
12)	p,p'-DDE	5.626	6.059	246.8E6	156.9E6	25.000m	21.971m
15)	p,p'-DDD	6.385	6.629	96897109	47436568	11.307m	7.856m#
17)	p,p'-DDT	6.542	6.946	72188617	71748108	8.859m	12.324m#
22)	DCB-Surrogate	8.305	9.397	742.3E6	682.0E6	87.139m	111.513m#

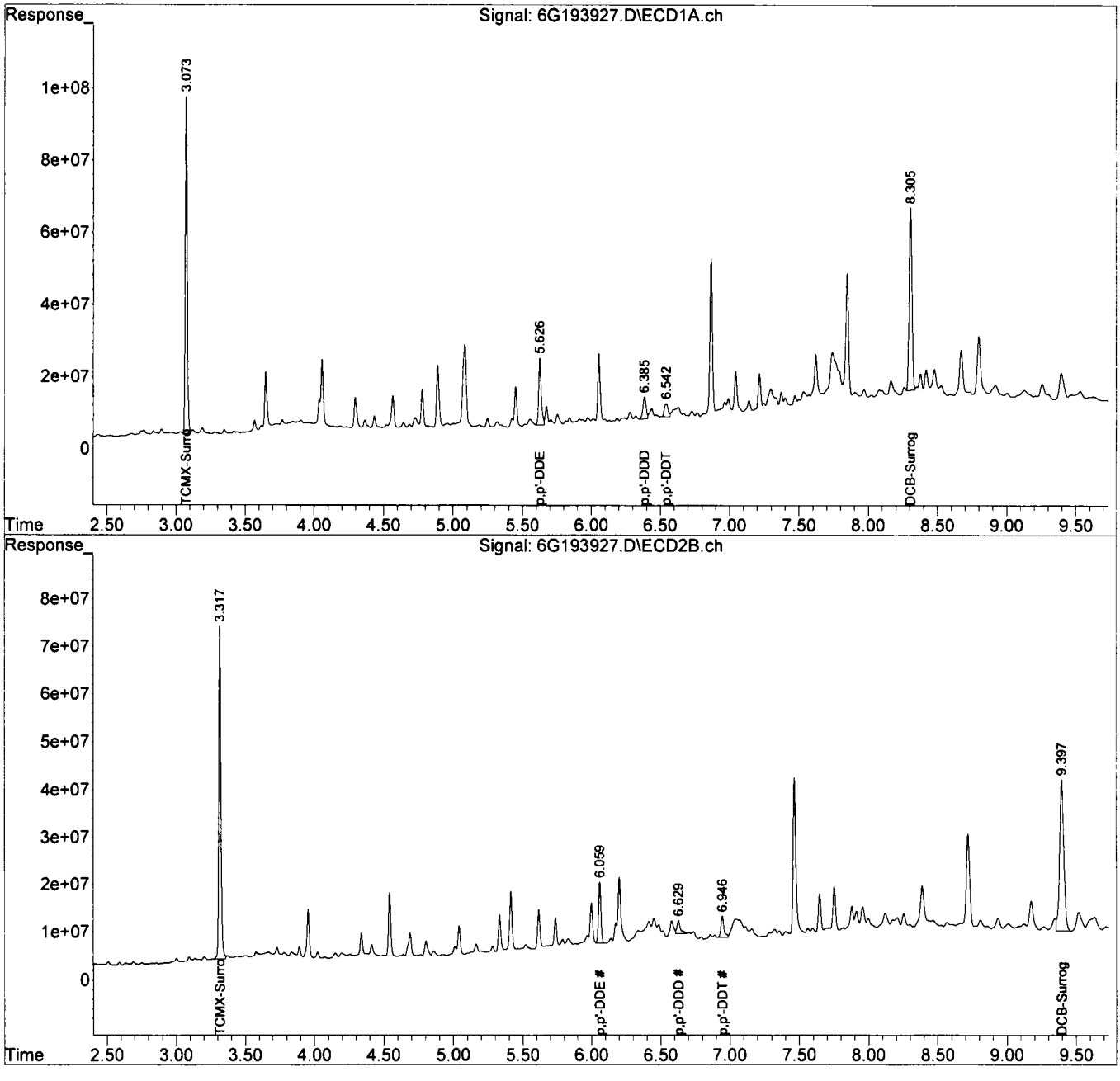
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193927.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 13:04
Operator : AH/PR/KM
Sample : AD48435-012 (Sig #1); AD48345-012 (Sig #2)
Misc : S,PEST
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 16:22:57 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32



Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-013
Client Id: SB-05-0-2.0'
Data File: 6G193922.D
Analysis Date: 12/06/24 11:54
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 85

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0059	U	53494-70-5	Endrin Ketone	0.0059	U
309-00-2	Aldrin	0.0059	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0059	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0059	U
319-86-8	delta-BHC	0.0059	U	72-43-5	Methoxychlor	0.0059	U
60-57-1	Dieldrin	0.0012	U	72-54-8	p,p'-DDD	0.0029	U
959-98-8	Endosulfan I	0.0059	U	**72-55-9**	**p,p'-DDE**	**0.0029**	**0.012**
33213-65-9	Endosulfan II	0.0059	U	50-29-3	p,p'-DDT	0.0029	U
1031-07-8	Endosulfan Sulfate	0.0059	U	8001-35-2	Toxaphene	0.029	U
72-20-8	Endrin	0.0059	U	5103-74-2	y-chlordane	0.0059	U
7421-93-4	Endrin Aldehyde	0.0059	U	57-74-9	Chlordane (Total)	0.0059	U

Worksheet #: 764353

Total Target Concentration 0.012

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 11:54
Operator : AH/PR/KM
Sample : AD48435-013
Misc : S,PEST
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:44:30 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.069	3.319	940.9E6	750.9E6	98.072	100.077m
12)	p,p'-DDE	5.621	6.061	196.7E6	115.0E6	19.921m	16.107m
22)	DCB-Surrogate	8.299	9.400	737.7E6	689.0E6	86.601m	112.659 #

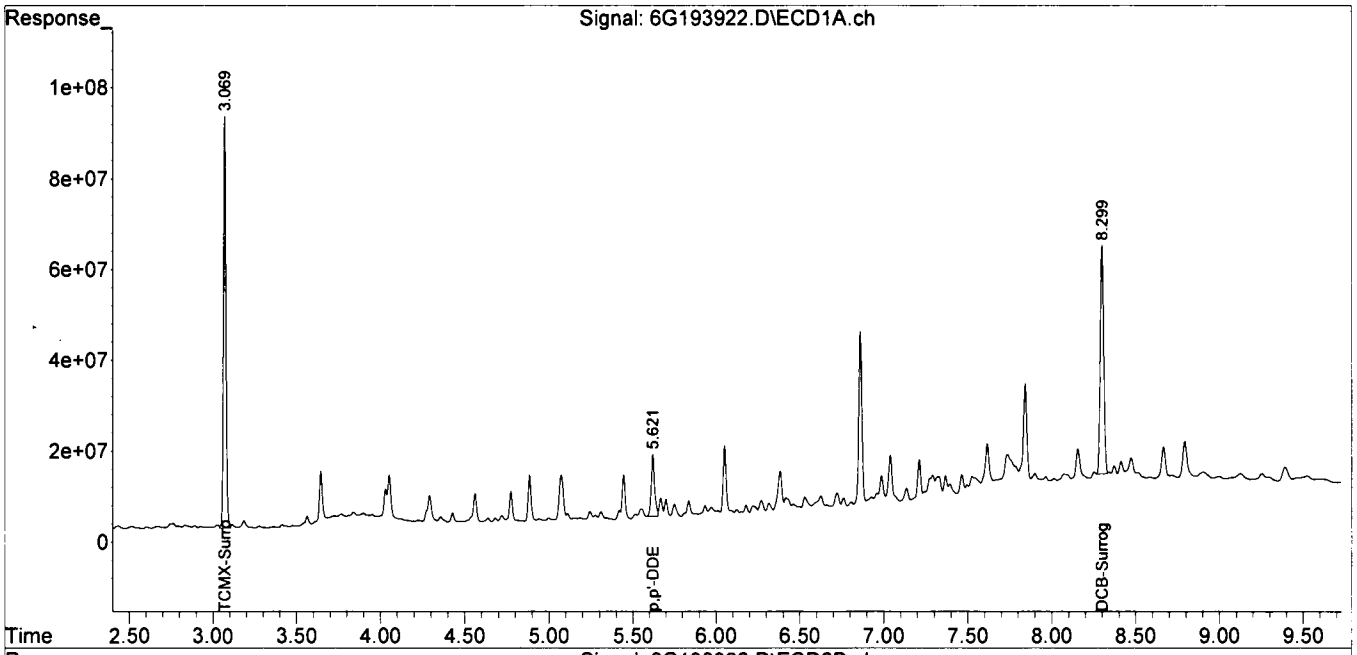
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

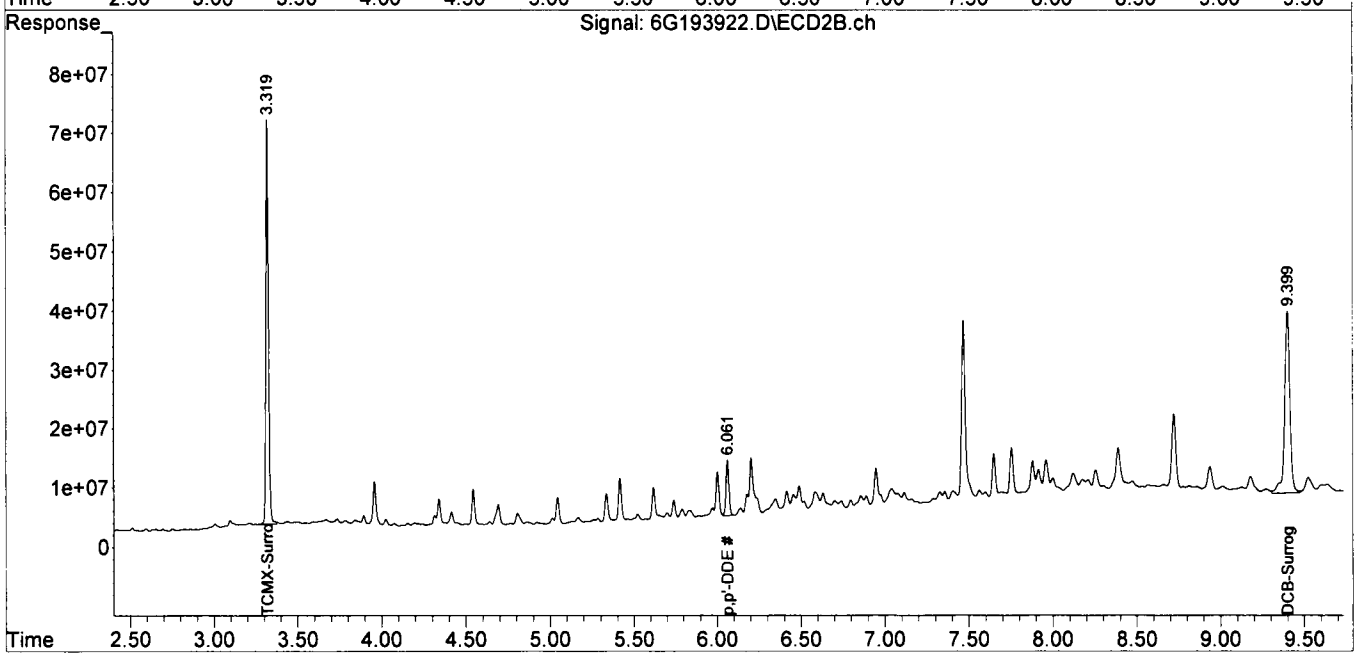
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 11:54
Operator : AH/PR/KM
Sample : AD48435-013
Misc : S,PEST
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:44:30 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-014
Client Id: SB-05-0-2.0' DUP
Data File: 6G193920.D
Analysis Date: 12/06/24 11:30
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 85

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0059	U	53494-70-5	Endrin Ketone	0.0059	U
309-00-2	Aldrin	0.0059	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0059	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0059	U
319-86-8	delta-BHC	0.0059	U	72-43-5	Methoxychlor	0.0059	U
60-57-1	Dieldrin	0.0012	U	72-54-8	p,p'-DDD	0.0029	U
959-98-8	Endosulfan I	0.0059	U	**72-55-9**	**p,p'-DDE**	**0.0029**	**0.019**
33213-65-9	Endosulfan II	0.0059	U	50-29-3	p,p'-DDT	0.0029	U
1031-07-8	Endosulfan Sulfate	0.0059	U	8001-35-2	Toxaphene	0.029	U
72-20-8	Endrin	0.0059	U	5103-74-2	y-chlordane	0.0059	U
7421-93-4	Endrin Aldehyde	0.0059	U	57-74-9	Chlordane (Total)	0.0059	U

Worksheet #: 764353

Total Target Concentration 0.019

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 11:30
Operator : AH/PR/KM
Sample : AD48435-014
Misc : S,PEST
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:44:47 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.076	3.320	975.7E6	764.9E6	101.702	101.948m
12)	p,p'-DDE	5.628	6.061	312.7E6	187.4E6	31.679	26.247m
22)	DCB-Surrogate	8.306	9.400	823.9E6	712.2E6	96.725m	116.448m

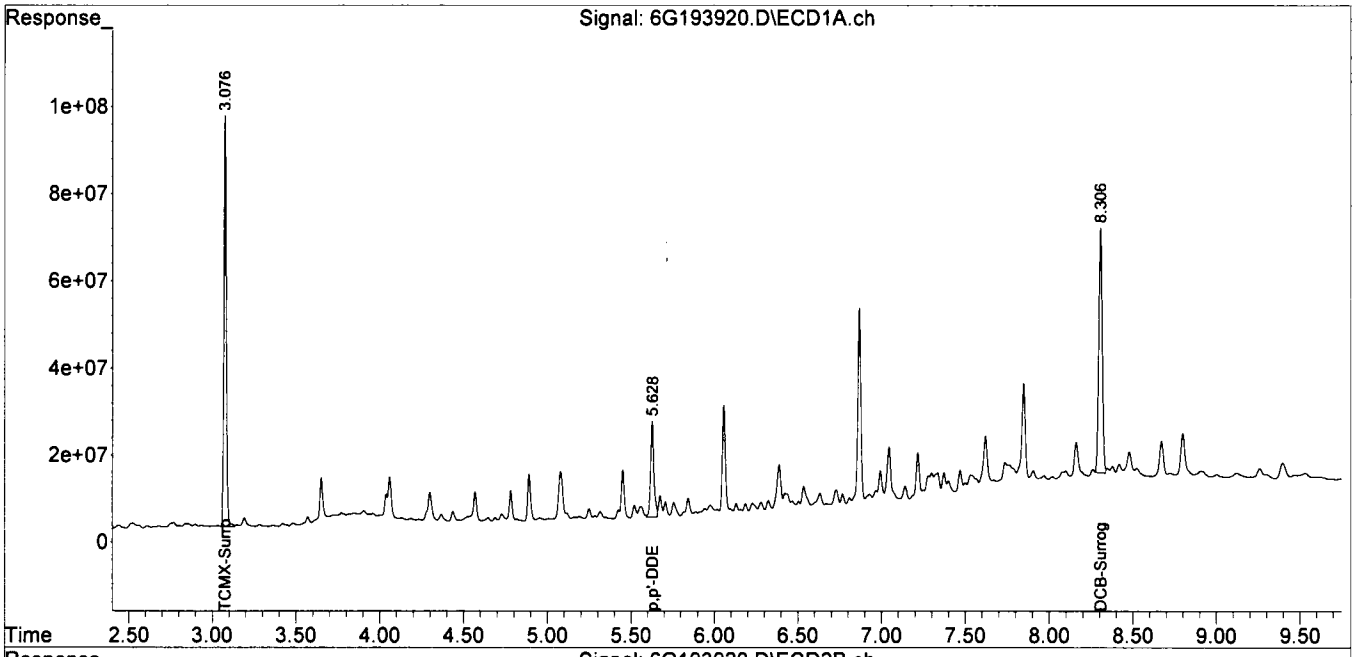
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

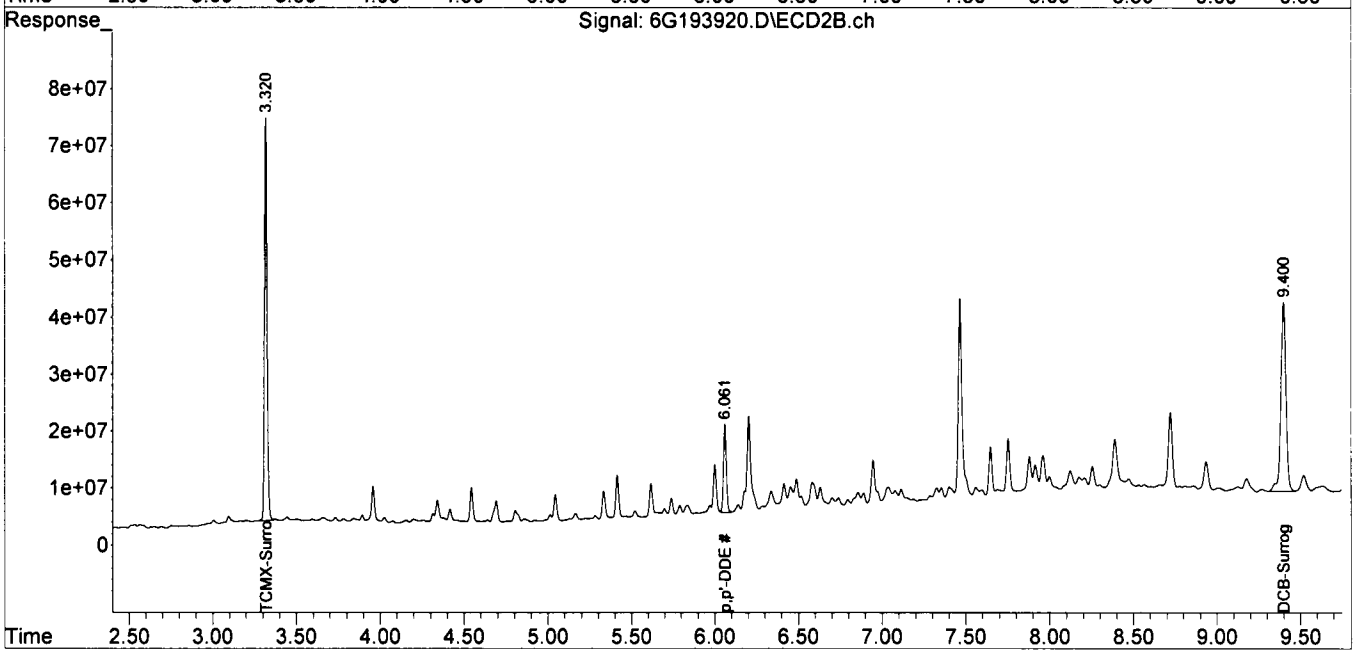
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 11:30
Operator : AH/PR/KM
Sample : AD48435-014
Misc : S,PEST
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:44:47 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-015
Client Id: SB-07-0-2.0'
Data File: 6G193911.D
Analysis Date: 12/06/24 09:41
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0057	U	53494-70-5	Endrin Ketone	0.0057	U
309-00-2	Aldrin	0.0057	U	58-89-9	gamma-BHC	0.0011	U
319-84-6	alpha-BHC	0.0011	U	76-44-8	Heptachlor	0.0057	U
319-85-7	beta-BHC	0.0011	U	1024-57-3	Heptachlor Epoxide	0.0057	U
319-86-8	delta-BHC	0.0057	U	72-43-5	Methoxychlor	0.0057	U
60-57-1	Dieldrin	0.0011	U	72-54-8	p,p'-DDD	0.0028	U
959-98-8	Endosulfan I	0.0057	U	**72-55-9**	**p,p'-DDE**	**0.0028**	**0.0048**
33213-65-9	Endosulfan II	0.0057	U	50-29-3	p,p'-DDT	0.0028	U
1031-07-8	Endosulfan Sulfate	0.0057	U	8001-35-2	Toxaphene	0.028	U
72-20-8	Endrin	0.0057	U	5103-74-2	y-chlordane	0.0057	U
7421-93-4	Endrin Aldehyde	0.0057	U	57-74-9	Chlordane (Total)	0.0057	U

Worksheet #: 764353

Total Target Concentration 0.0048

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 09:41
Operator : AH/PR/KM
Sample : AD48435-015
Misc : S,PEST
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 10:25:10 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

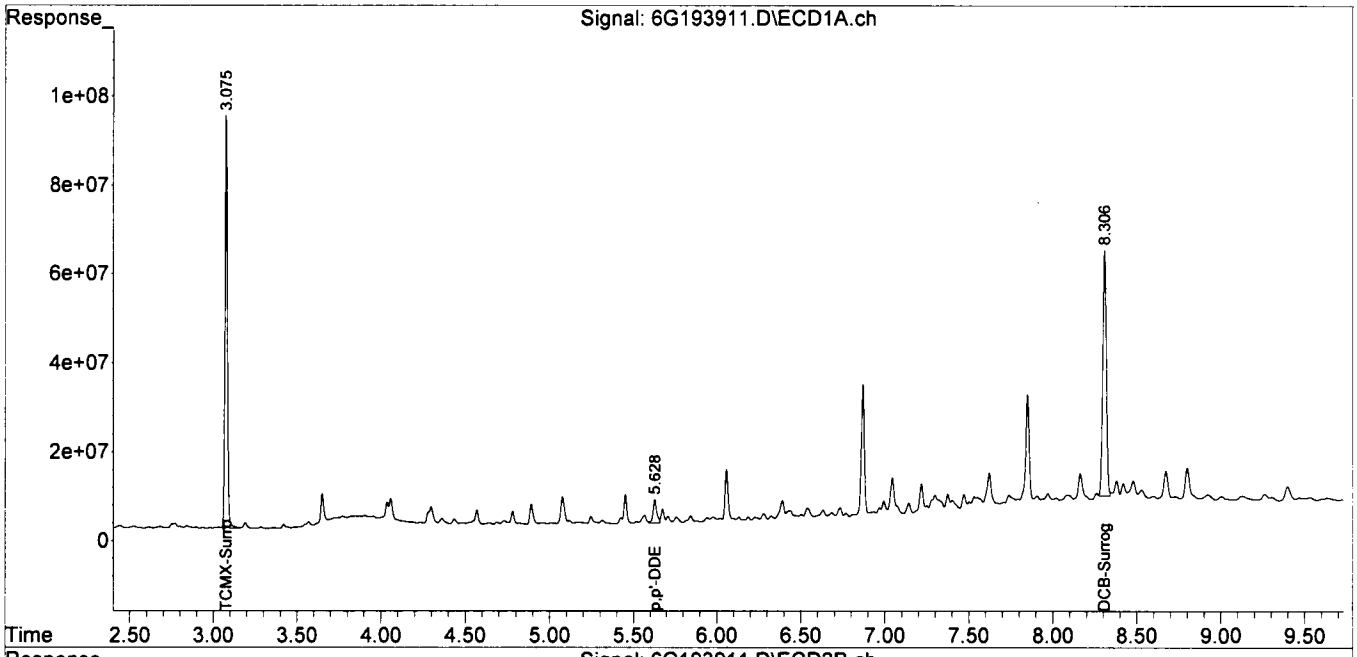
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.075	3.318	949.0E6	754.8E6	98.919m	100.600m
12)	p,p'-DDE	5.628	6.059	83521374	40846130	8.460	5.721m#
22)	DCB-Surrogate	8.306	9.398	833.7E6	722.1E6	97.867m	118.077m

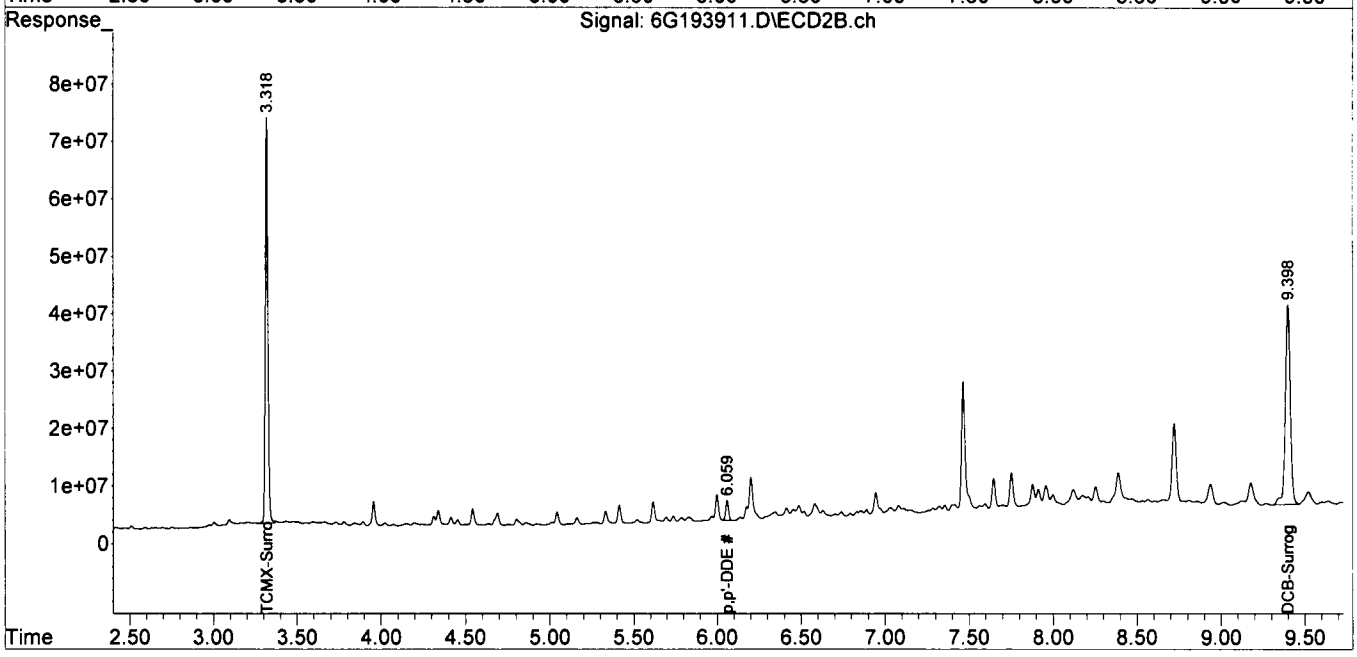
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193911.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 09:41
Operator : AH/PR/KM
Sample : AD48435-015
Misc : S,PEST
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 10:25:10 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-016
Client Id: SB-23-0-2.0'
Data File: 6G193921.D
Analysis Date: 12/06/24 11:42
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 85

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0059	U	53494-70-5	Endrin Ketone	0.0059	U
309-00-2	Aldrin	0.0059	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0059	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0059	U
319-86-8	delta-BHC	0.0059	U	72-43-5	Methoxychlor	0.0059	U
60-57-1	Dieldrin	0.0012	U	72-54-8	p,p'-DDD	0.0029	U
959-98-8	Endosulfan I	0.0059	U	**72-55-9**	**p,p'-DDE**	**0.0029**	**0.0039**
33213-65-9	Endosulfan II	0.0059	U	**50-29-3**	**(^)p,p'-DDT**	**0.0029**	**0.0059**
1031-07-8	Endosulfan Sulfate	0.0059	U	8001-35-2	Toxaphene	0.029	U
72-20-8	Endrin	0.0059	U	5103-74-2	y-chlordane	0.0059	U
7421-93-4	Endrin Aldehyde	0.0059	U	57-74-9	Chlordane (Total)	0.0059	U

Worksheet #: 764353

Total Target Concentration 0.0039

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 11:42
Operator : AH/PR/KM
Sample : AD48435-016
Misc : S,PEST
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 12:17:49 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

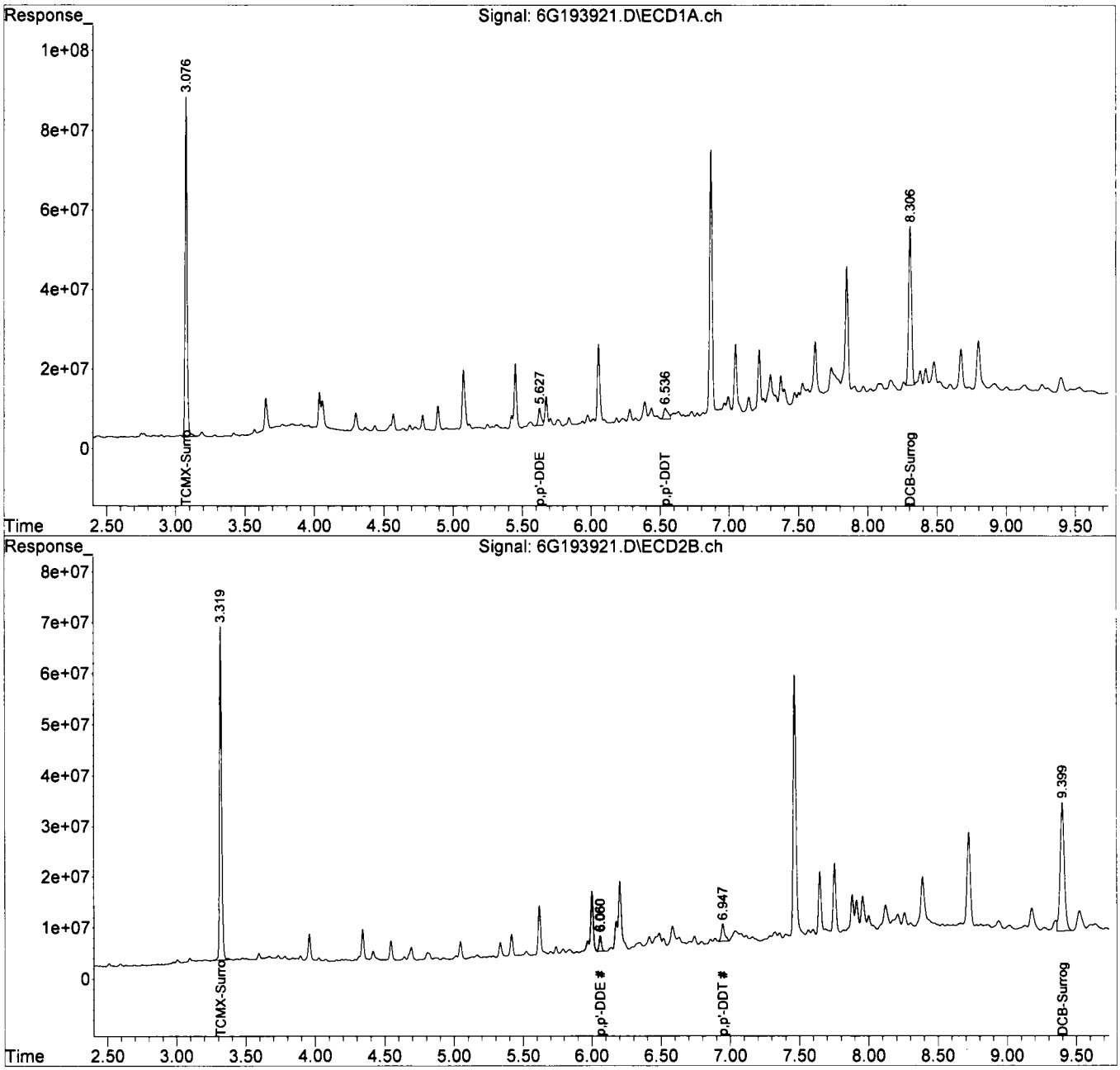
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.076	3.319	899.7E6	710.5E6	93.780	94.694m
12)p,p'-DDE	5.627	6.060	65718955	37442099	6.657m	5.245m
17)p,p'-DDT	6.536	6.947	59205350	58158052	7.266m	9.990m#
22)DCB-Surrogate	8.306	9.400	584.0E6	538.5E6	68.558m	88.045 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 11:42
Operator : AH/PR/KM
Sample : AD48435-016
Misc : S,PEST
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 12:17:49 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32



Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-017
Client Id: SB-24-0-2.0'
Data File: 6G193912.D
Analysis Date: 12/06/24 09:53
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0057	U	53494-70-5	Endrin Ketone	0.0057	U
309-00-2	Aldrin	0.0057	U	58-89-9	gamma-BHC	0.0011	U
319-84-6	alpha-BHC	0.0011	U	76-44-8	Heptachlor	0.0057	U
319-85-7	beta-BHC	0.0011	U	1024-57-3	Heptachlor Epoxide	0.0057	U
319-86-8	delta-BHC	0.0057	U	72-43-5	Methoxychlor	0.0057	U
60-57-1	Dieldrin	0.0011	U	72-54-8	p,p'-DDD	0.0028	U
959-98-8	Endosulfan I	0.0057	U	**72-55-9**	**p,p'-DDE**	**0.0028**	**0.0075**
33213-65-9	Endosulfan II	0.0057	U	**50-29-3**	**p,p'-DDT**	**0.0028**	**0.0031 d**
1031-07-8	Endosulfan Sulfate	0.0057	U	8001-35-2	Toxaphene	0.028	U
72-20-8	Endrin	0.0057	U	5103-74-2	y-chlordane	0.0057	U
7421-93-4	Endrin Aldehyde	0.0057	U	57-74-9	Chlordane (Total)	0.0057	U

Worksheet #: 764353

Total Target Concentration 0.011

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193912.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 09:53
Operator : AH/PR/KM
Sample : AD48435-017
Misc : S,PEST
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 10:28:45 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

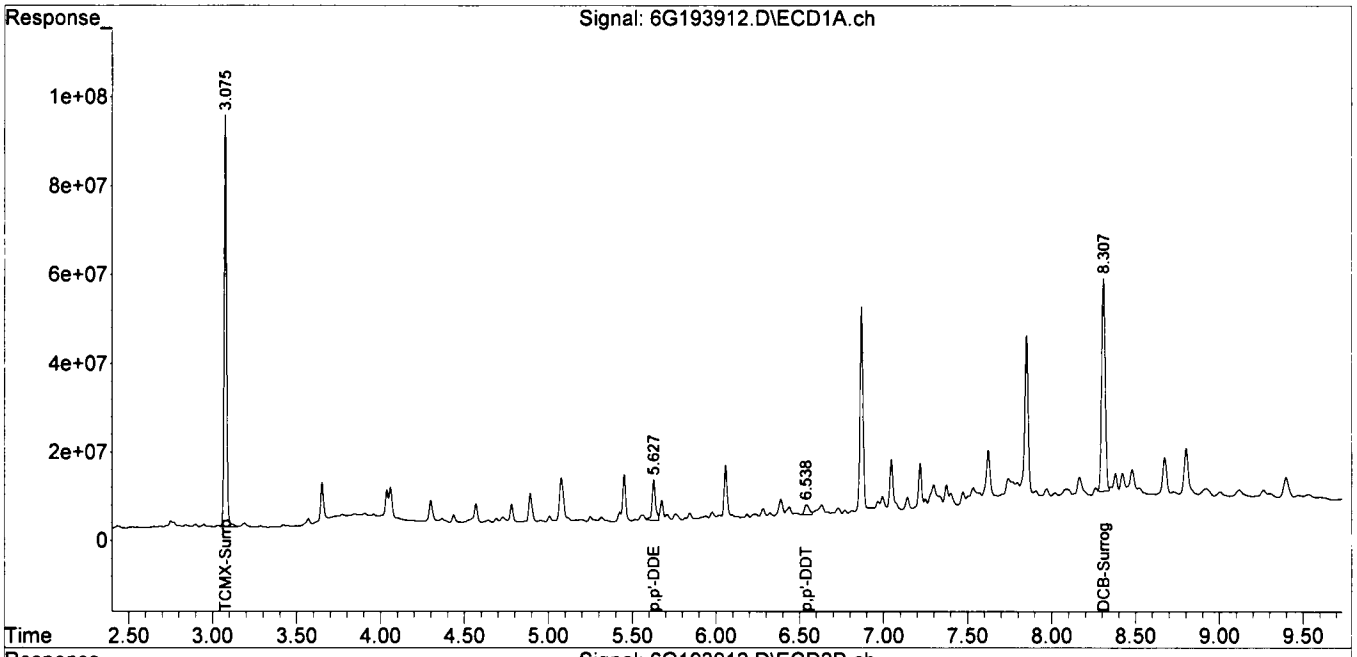
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.075	3.318	933.6E6	745.0E6	97.310m	99.295m
12)	p,p'-DDE	5.627	6.059	130.1E6	74415127	13.178m	10.423m
17)	p,p'-DDT	6.538	6.946	44749921	50253581	5.492m	8.632m#
22)	DCB-Surrogate	8.307	9.399	725.4E6	648.7E6	85.157m	106.075m

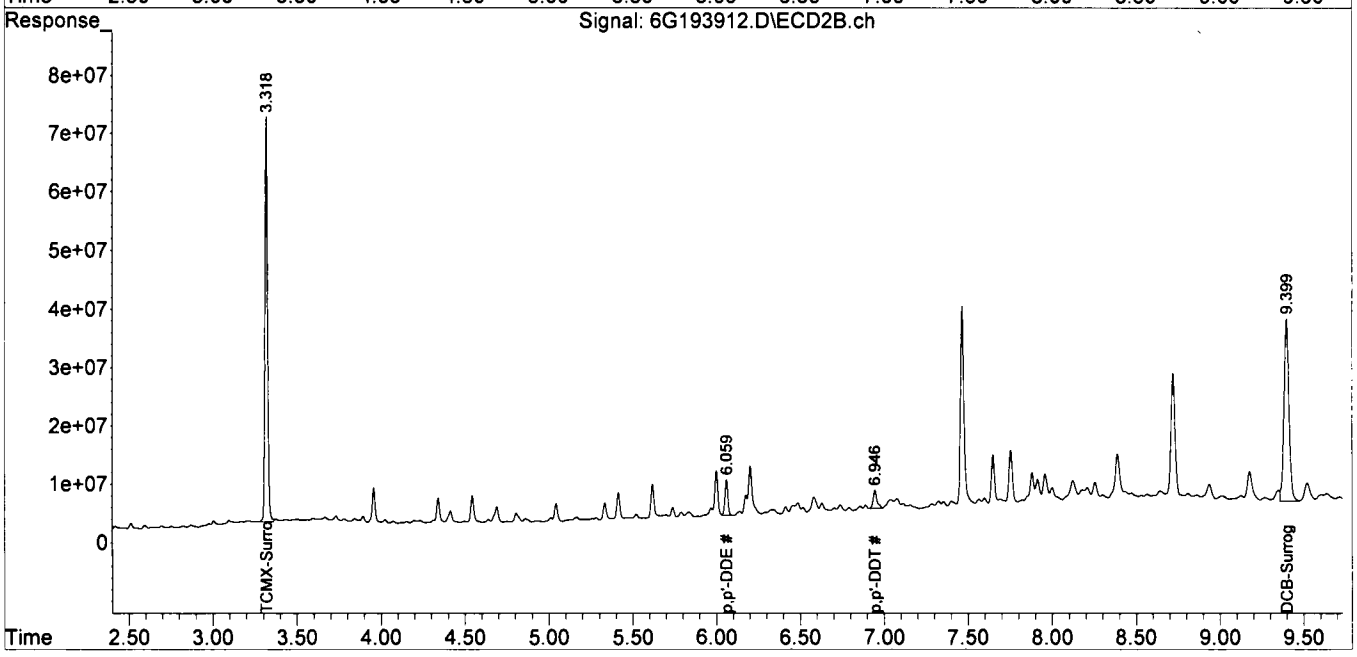
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193912.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 09:53
Operator : AH/PR/KM
Sample : AD48435-017
Misc : S,PEST
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 10:28:45 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-018
Client Id: SB-25-0-2.0'
Data File: 6G193932.D
Analysis Date: 12/06/24 14:05
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0058	U	53494-70-5	Endrin Ketone	0.0058	U
309-00-2	Aldrin	0.0058	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0058	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0058	U
319-86-8	delta-BHC	0.0058	U	72-43-5	Methoxychlor	0.0058	U
60-57-1	Dieldrin	0.0012	U	72-54-8	p,p'-DDD	0.0029	U
959-98-8	Endosulfan I	0.0058	U	**72-55-9**	**p,p'-DDE**	**0.0029**	**0.0072**
33213-65-9	Endosulfan II	0.0058	U	50-29-3	p,p'-DDT	0.0029	U
1031-07-8	Endosulfan Sulfate	0.0058	U	8001-35-2	Toxaphene	0.029	U
72-20-8	Endrin	0.0058	U	5103-74-2	y-chlordane	0.0058	U
7421-93-4	Endrin Aldehyde	0.0058	U	57-74-9	Chlordane (Total)	0.0058	U

Worksheet #: 764353

Total Target Concentration 0.0072

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193932.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:05
Operator : AH/PR/KM
Sample : AD48435-018
Misc : S,PEST
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:39:41 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.074	3.317	901.9E6	739.2E6	94.005	98.524m
12)	p,p'-DDE	5.627	6.059	122.1E6	70430555	12.365m	9.865m
22)	DCB-Surrogate	8.306	9.399	747.4E6	646.0E6	87.744m	105.635m

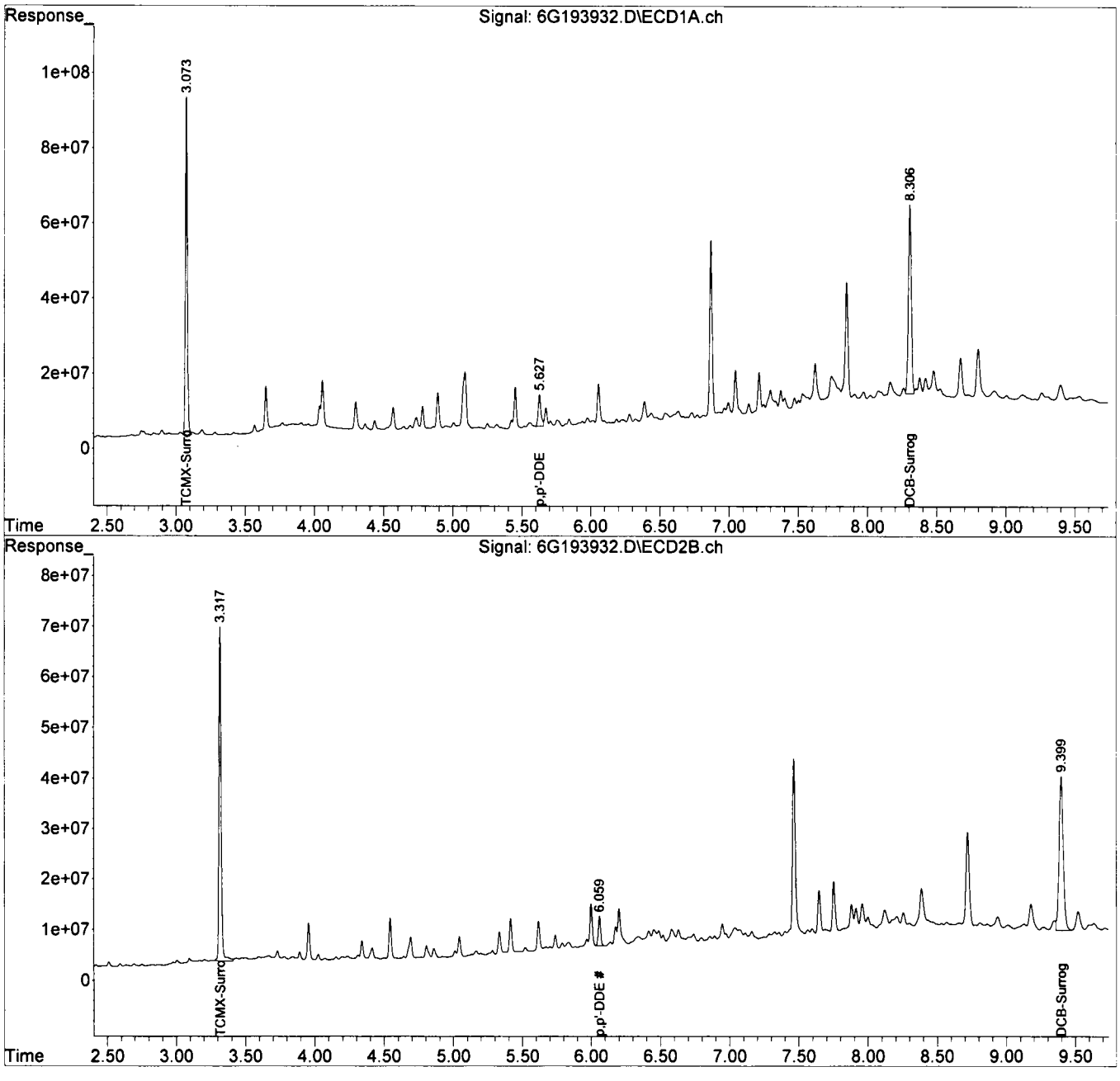
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193932.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:05
Operator : AH/PR/KM
Sample : AD48435-018
Misc : S,PEST
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:39:41 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32



Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-019(10X)
Client Id: SB-19-0-2.0'
Data File: 6G193933.D
Analysis Date: 12/06/24 14:21
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 10
Solids: 82

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.061	U	53494-70-5	Endrin Ketone	0.061	U
309-00-2	Aldrin	0.061	U	58-89-9	gamma-BHC	0.012	U
319-84-6	alpha-BHC	0.012	U	76-44-8	Heptachlor	0.061	U
319-85-7	beta-BHC	0.012	U	1024-57-3	Heptachlor Epoxide	0.061	U
319-86-8	delta-BHC	0.061	U	72-43-5	Methoxychlor	0.061	U
60-57-1	Dieldrin	0.012	U	**72-54-8**	**p,p'-DDD**	**0.030**	**1.2**
959-98-8	Endosulfan I	0.061	U	**72-55-9**	**(^)p,p'-DDE**	**0.030**	**0.44**
33213-65-9	Endosulfan II	0.061	U	**50-29-3**	**(^)p,p'-DDT**	**0.030**	**0.061**
1031-07-8	Endosulfan Sulfate	0.061	U	8001-35-2	Toxaphene	0.30	U
72-20-8	Endrin	0.061	U	5103-74-2	y-chlordane	0.061	U
7421-93-4	Endrin Aldehyde	0.061	U	57-74-9	Chlordane (Total)	0.061	U

Worksheet #: 764358

Total Target Concentration 1.2

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:21
Operator : AH/PR/KM
Sample : AD48435-019(10X)
Misc : S,PEST:10
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 16:23:11 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

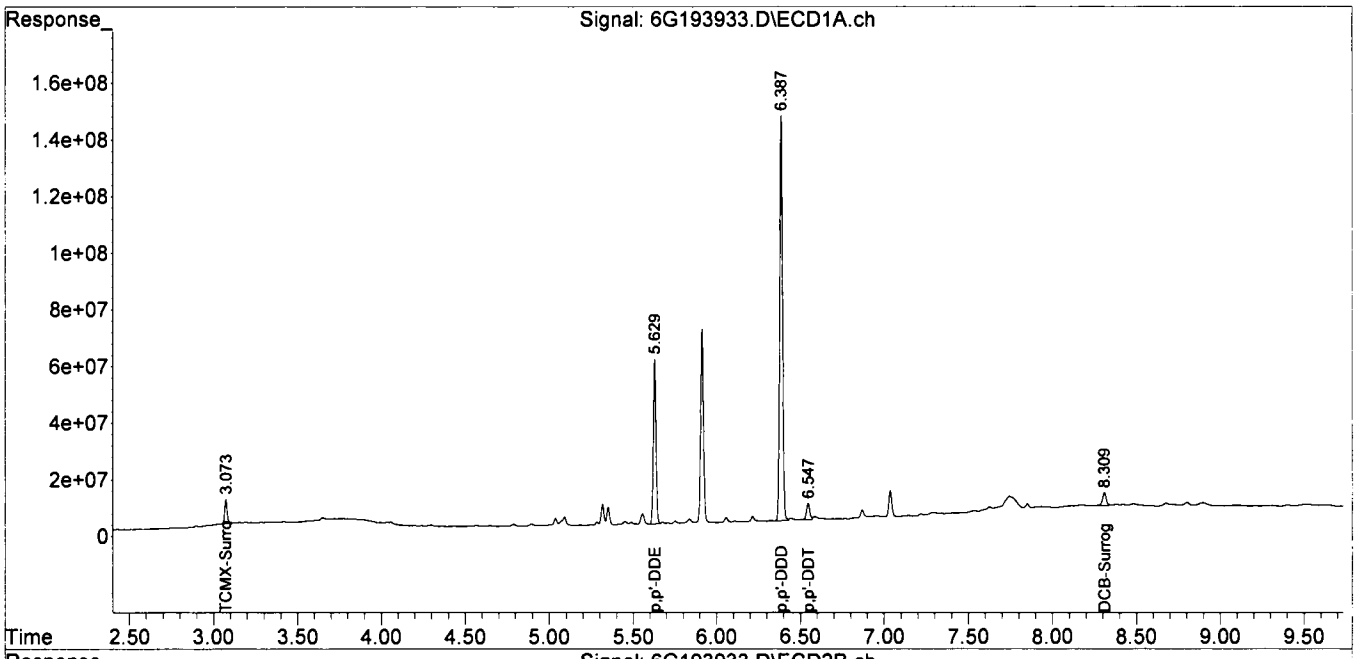
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.073	3.324	90006655	64174398	9.382m	8.553m
12)	p,p'-DDE	5.630	6.069	666.9E6	518.0E6	67.550	72.553
15)	p,p'-DDD	6.387	6.638	1726.5E6	1335.2E6	201.472	221.123m
17)	p,p'-DDT	6.547	6.953	77619662	57847565	9.526m	9.936m
22)	DCB-Surrogate	8.309	9.406	72510012	78132702	8.512m	12.776m#

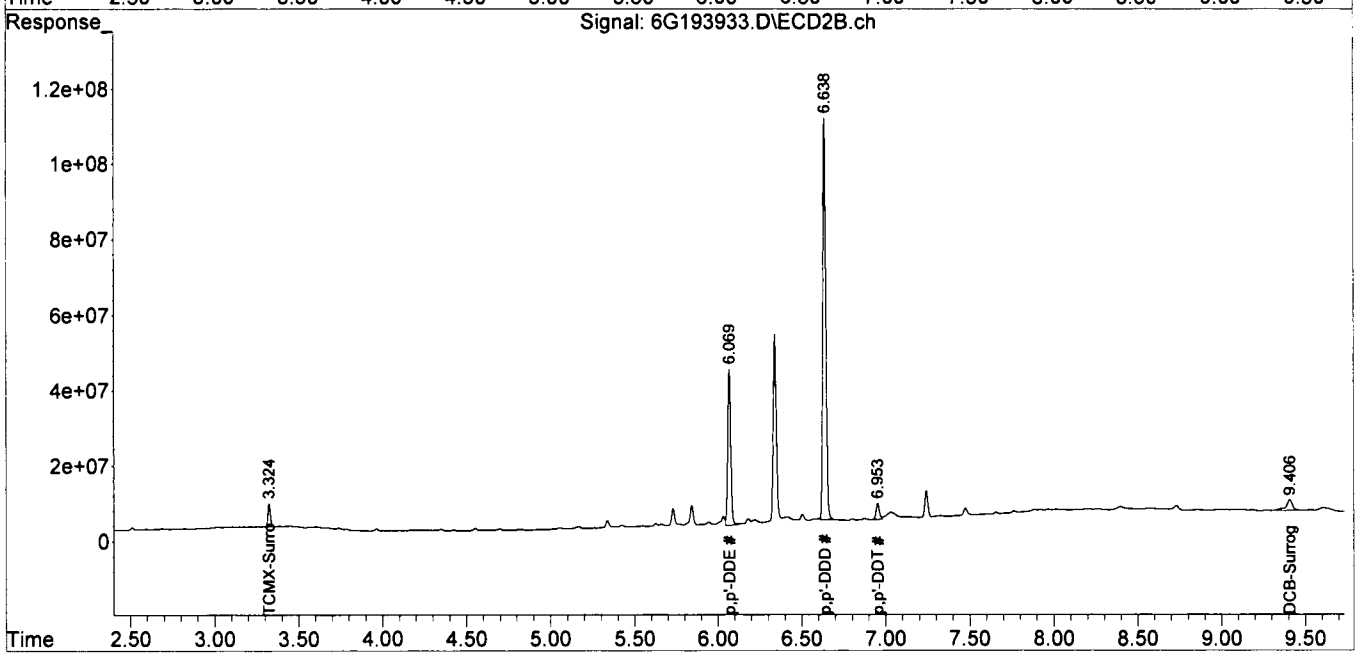
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 14:21
Operator : AH/PR/KM
Sample : AD48435-019(10X)
Misc : S,PEST:10
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 16:23:11 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-020
Client Id: SB-14-0-2.0'
Data File: 6G193930.D
Analysis Date: 12/06/24 13:41
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 87

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0057	U	53494-70-5	Endrin Ketone	0.0057	U
309-00-2	Aldrin	0.0057	U	58-89-9	gamma-BHC	0.0011	U
319-84-6	alpha-BHC	0.0011	U	76-44-8	Heptachlor	0.0057	U
319-85-7	beta-BHC	0.0011	U	1024-57-3	Heptachlor Epoxide	0.0057	U
319-86-8	delta-BHC	0.0057	U	72-43-5	Methoxychlor	0.0057	U
60-57-1	Dieldrin	0.0011	U	72-54-8	p,p'-DDD	0.0029	U
959-98-8	Endosulfan I	0.0057	U	**72-55-9**	**p,p'-DDE**	**0.0029**	**0.0085**
33213-65-9	Endosulfan II	0.0057	U	**50-29-3**	**p,p'-DDT**	**0.0029**	**0.0034 d**
1031-07-8	Endosulfan Sulfate	0.0057	U	8001-35-2	Toxaphene	0.029	U
72-20-8	Endrin	0.0057	U	5103-74-2	y-chlordane	0.0057	U
7421-93-4	Endrin Aldehyde	0.0057	U	57-74-9	Chlordane (Total)	0.0057	U

Worksheet #: 764353

Total Target Concentration 0.012

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 13:41
Operator : AH/PR/KM
Sample : AD48435-020
Misc : S,PEST
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:37:42 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.073	3.317	950.3E6	752.0E6	99.059	100.222m
12)p,p'-DDE	5.627	6.059	145.2E6	98638253	14.707m	13.816m
17)p,p'-DDT	6.539	6.945	48613595	69310860	5.966m	11.905m#
22)DCB-Surrogate	8.306	9.397	776.8E6	660.6E6	91.194m	108.016m

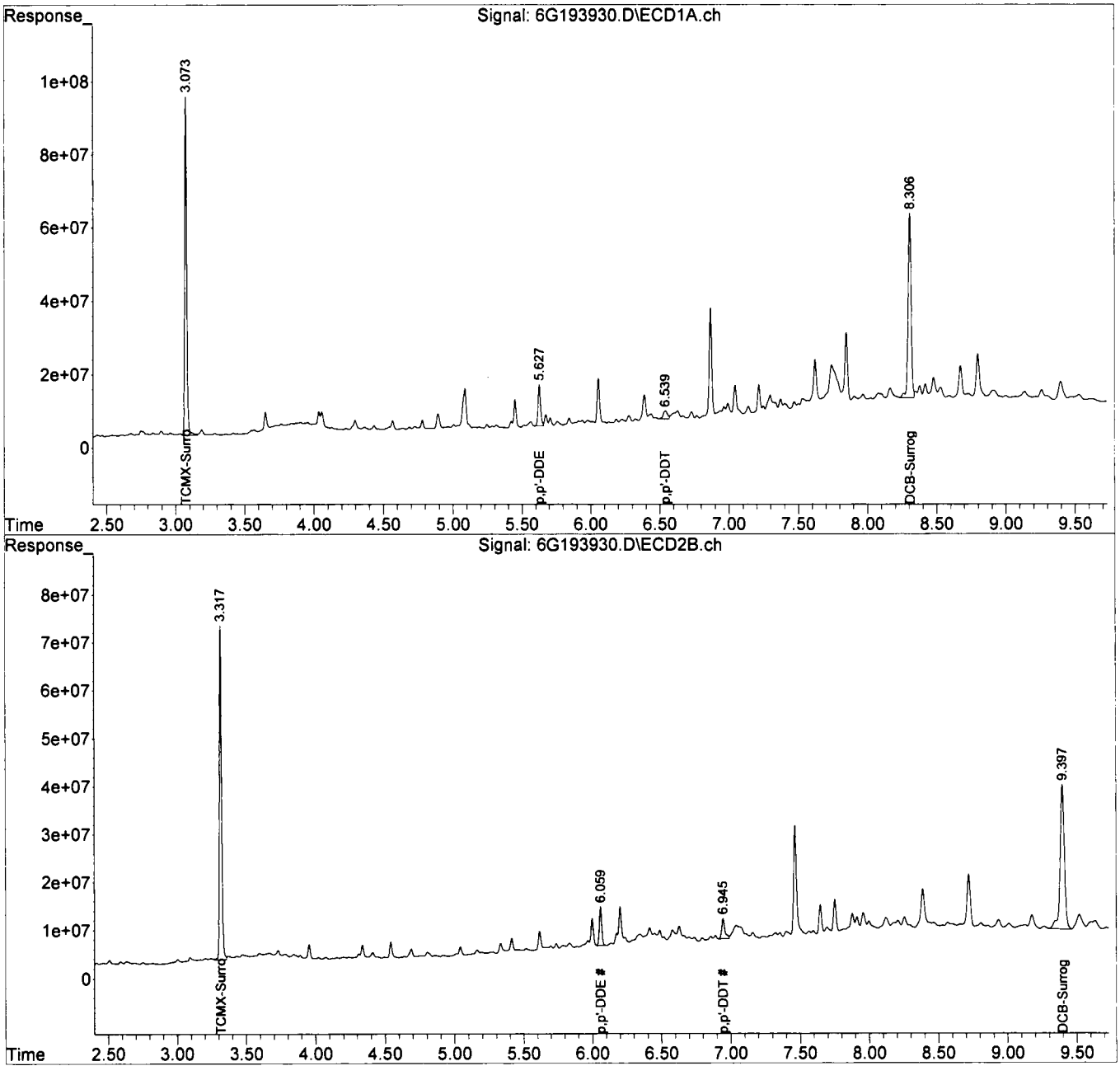
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 13:41
Operator : AH/PR/KM
Sample : AD48435-020
Misc : S,PEST
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:37:42 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32



Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-021
Client Id: SB-13-0-2.0'
Data File: 6G193929.D
Analysis Date: 12/06/24 13:29
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0057	U	53494-70-5	Endrin Ketone	0.0057	U
309-00-2	Aldrin	0.0057	U	58-89-9	gamma-BHC	0.0011	U
319-84-6	alpha-BHC	0.0011	U	76-44-8	Heptachlor	0.0057	U
319-85-7	beta-BHC	0.0011	U	1024-57-3	Heptachlor Epoxide	0.0057	U
319-86-8	delta-BHC	0.0057	U	72-43-5	Methoxychlor	0.0057	U
60-57-1	Dieldrin	0.0011	U	72-54-8	p,p'-DDD	0.0028	U
959-98-8	Endosulfan I	0.0057	U	**72-55-9**	**p,p'-DDE**	**0.0028**	**0.0049**
33213-65-9	Endosulfan II	0.0057	U	**50-29-3**	**(^)p,p'-DDT**	**0.0028**	**0.0056**
1031-07-8	Endosulfan Sulfate	0.0057	U	8001-35-2	Toxaphene	0.028	U
72-20-8	Endrin	0.0057	U	5103-74-2	y-chlordane	0.0057	U
7421-93-4	Endrin Aldehyde	0.0057	U	57-74-9	Chlordane (Total)	0.0057	U

Worksheet #: 764353

Total Target Concentration 0.0049

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193929.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 13:29
Operator : AH/PR/KM
Sample : AD48435-021
Misc : S,PEST
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:36:13 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.073	3.316	890.6E6	710.6E6	92.834m	94.707m
12)p,p'-DDE	5.626	6.059	85390712	43043013	8.649	6.029m#
17)p,p'-DDT	6.534	6.945	60231519	57214585	7.392m	9.828m#
22)DCB-Surrogate	8.305	9.397	723.6E6	673.8E6	84.949m	110.169m#

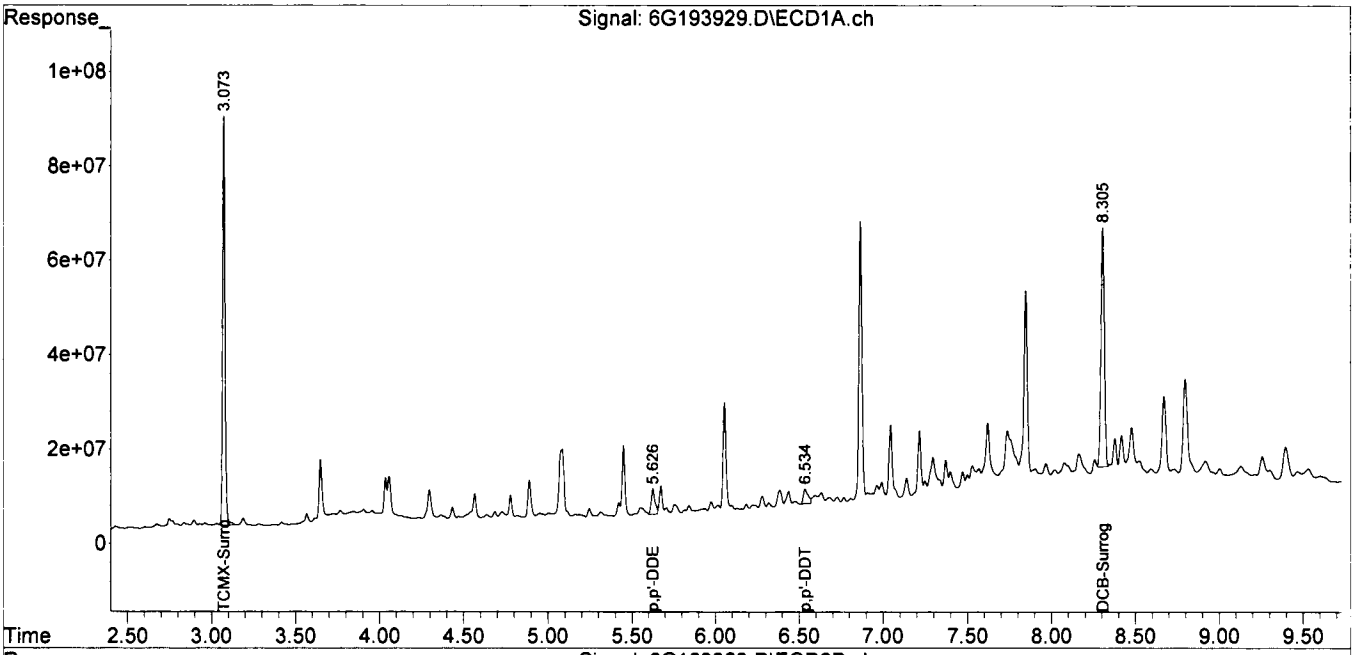
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

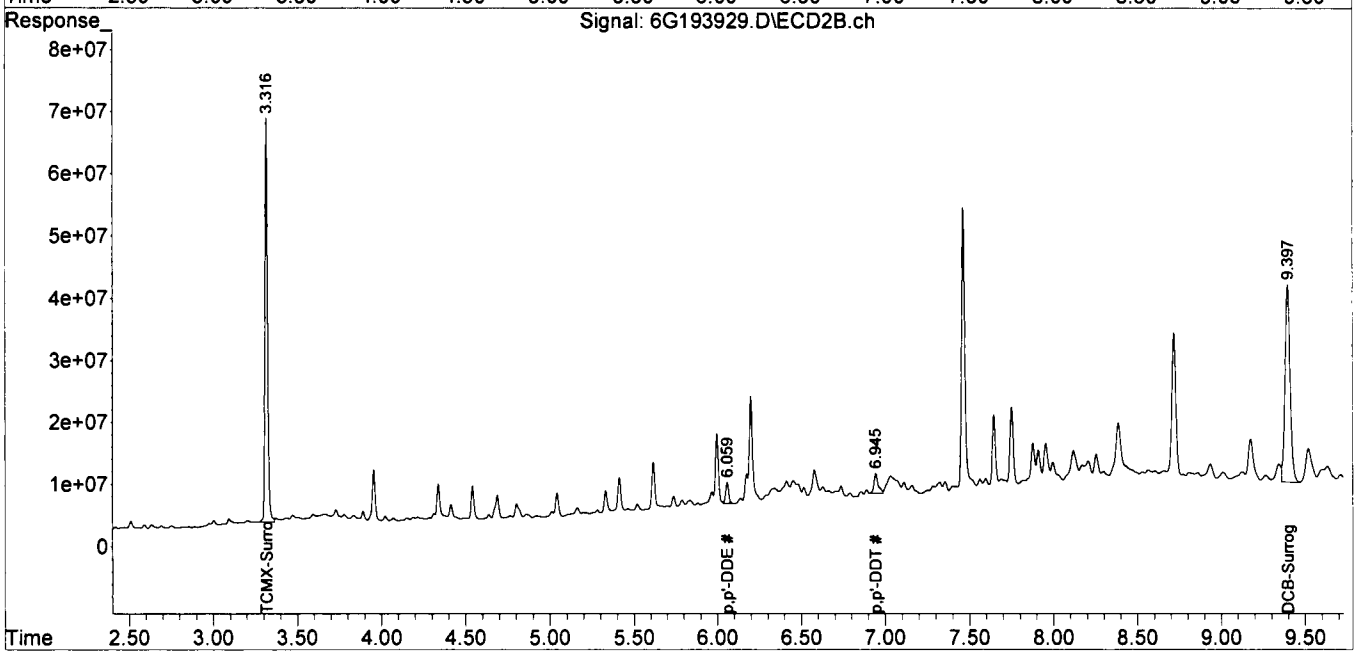
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193929.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 13:29
Operator : AH/PR/KM
Sample : AD48435-021
Misc : S,PEST
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:36:13 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-022
Client Id: SB-18-0-2.0'
Data File: 6G193908.D
Analysis Date: 12/06/24 09:05
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 82

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0061	U	53494-70-5	Endrin Ketone	0.0061	U
309-00-2	Aldrin	0.0061	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0061	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0061	U
319-86-8	delta-BHC	0.0061	U	72-43-5	Methoxychlor	0.0061	U
60-57-1	Dieldrin	0.0012	U	72-54-8	p,p'-DDD	0.0030	U
959-98-8	Endosulfan I	0.0061	U	**72-55-9**	**p,p'-DDE**	**0.0030**	**0.017**
33213-65-9	Endosulfan II	0.0061	U	**50-29-3**	**p,p'-DDT**	**0.0030**	**0.0088 d**
1031-07-8	Endosulfan Sulfate	0.0061	U	8001-35-2	Toxaphene	0.030	U
72-20-8	Endrin	0.0061	U	5103-74-2	y-chlordane	0.0061	U
7421-93-4	Endrin Aldehyde	0.0061	U	57-74-9	Chlordane (Total)	0.0061	U

Worksheet #: 764353

Total Target Concentration 0.026

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193908.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 09:05
Operator : AH/PR/KM
Sample : AD48435-022
Misc : S,PEST
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:47:08 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

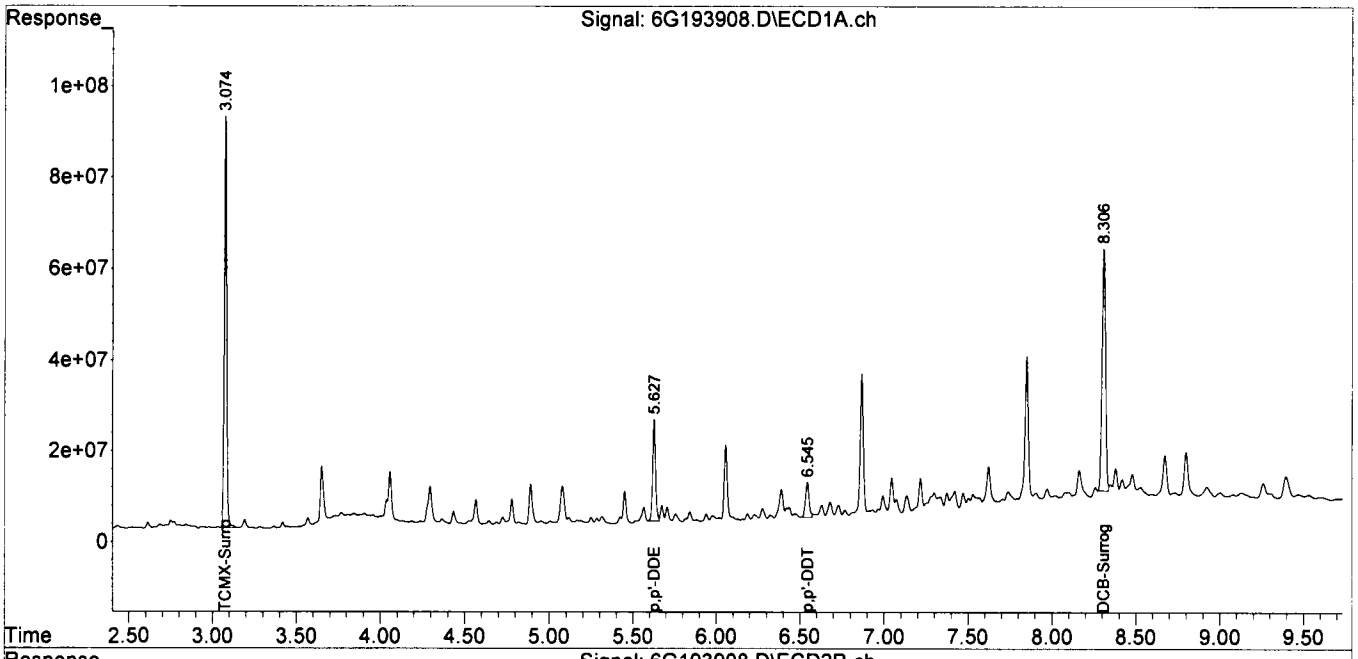
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.075	3.318	928.7E6	736.1E6	96.806	98.110m
12)p,p'-DDE	5.627	6.060	282.1E6	186.3E6	28.571m	26.096m
17)p,p'-DDT	6.545	6.945	117.2E6	140.8E6	14.382m	24.184m#
22)DCB-Surrogate	8.306	9.397	786.8E6	691.6E6	92.366m	113.084m

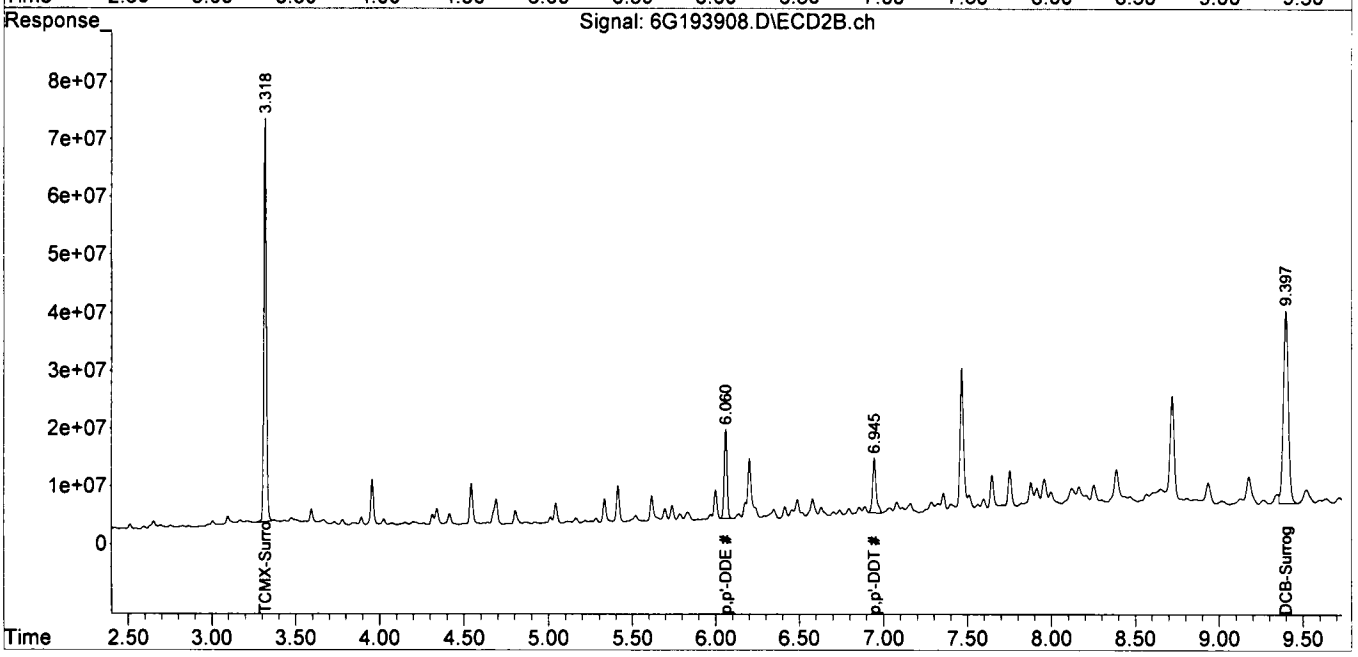
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193908.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 09:05
Operator : AH/PR/KM
Sample : AD48435-022
Misc : S,PEST
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 15:47:08 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-023
Client Id: SB-08-0-2.0'
Data File: 6G193909.D
Analysis Date: 12/06/24 09:17
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 83

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0060	U	53494-70-5	Endrin Ketone	0.0060	U
309-00-2	Aldrin	0.0060	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0060	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0060	U
319-86-8	delta-BHC	0.0060	U	72-43-5	Methoxychlor	0.0060	U
60-57-1	Dieldrin	0.0012	U	72-54-8	p,p'-DDD	0.0030	U
959-98-8	Endosulfan I	0.0060	U	**72-55-9**	**p,p'-DDE**	**0.0030**	**0.0063**
33213-65-9	Endosulfan II	0.0060	U	**50-29-3**	**(^)p,p'-DDT**	**0.0030**	**0.0062**
1031-07-8	Endosulfan Sulfate	0.0060	U	8001-35-2	Toxaphene	0.030	U
72-20-8	Endrin	0.0060	U	5103-74-2	y-chlordane	0.0060	U
7421-93-4	Endrin Aldehyde	0.0060	U	57-74-9	Chlordane (Total)	0.0060	U

Worksheet #: 764353

Total Target Concentration 0.0063

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193909.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 09:17
Operator : AH/PR/KM
Sample : AD48435-023
Misc : S,PEST
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 10:22:36 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

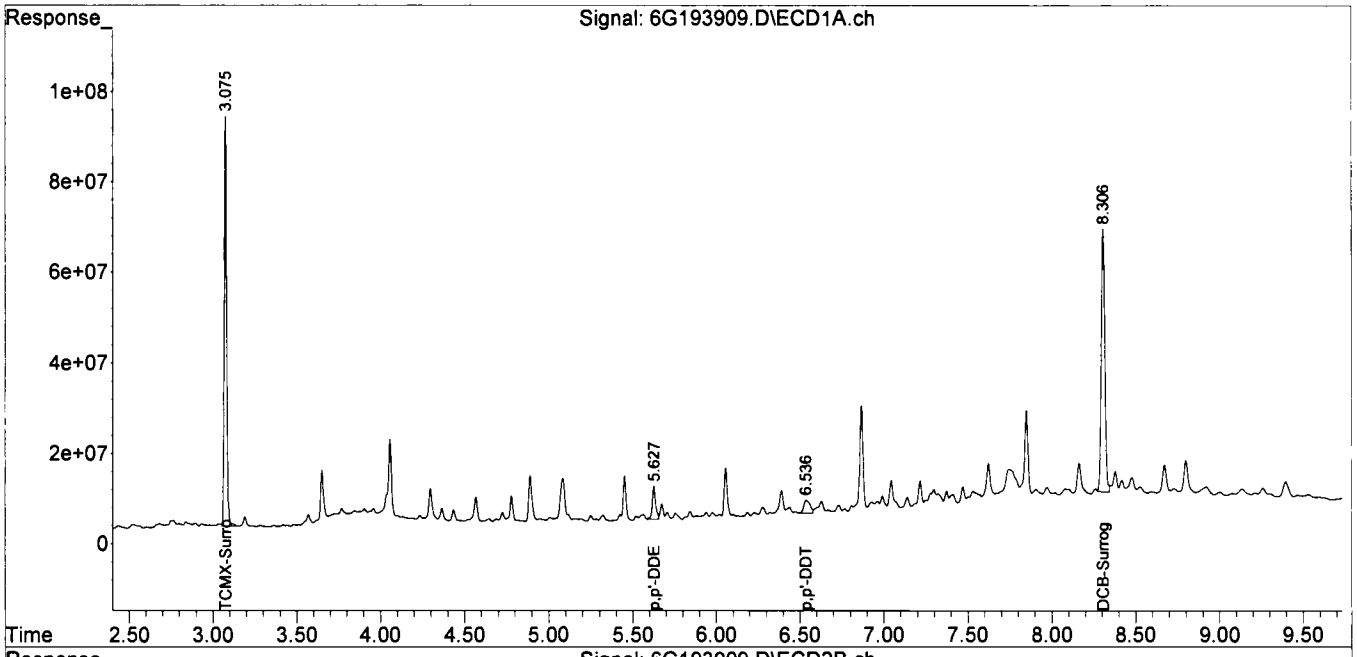
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.075	3.318	902.6E6	724.4E6	94.082m	96.542m
12)	p,p'-DDE	5.627	6.059	103.3E6	62728185	10.466m	8.786m
17)	p,p'-DDT	6.536	6.944	76825220	59465080	9.428m	10.214m
22)	DCB-Surrogate	8.306	9.397	874.7E6	757.1E6	102.684m	123.795m

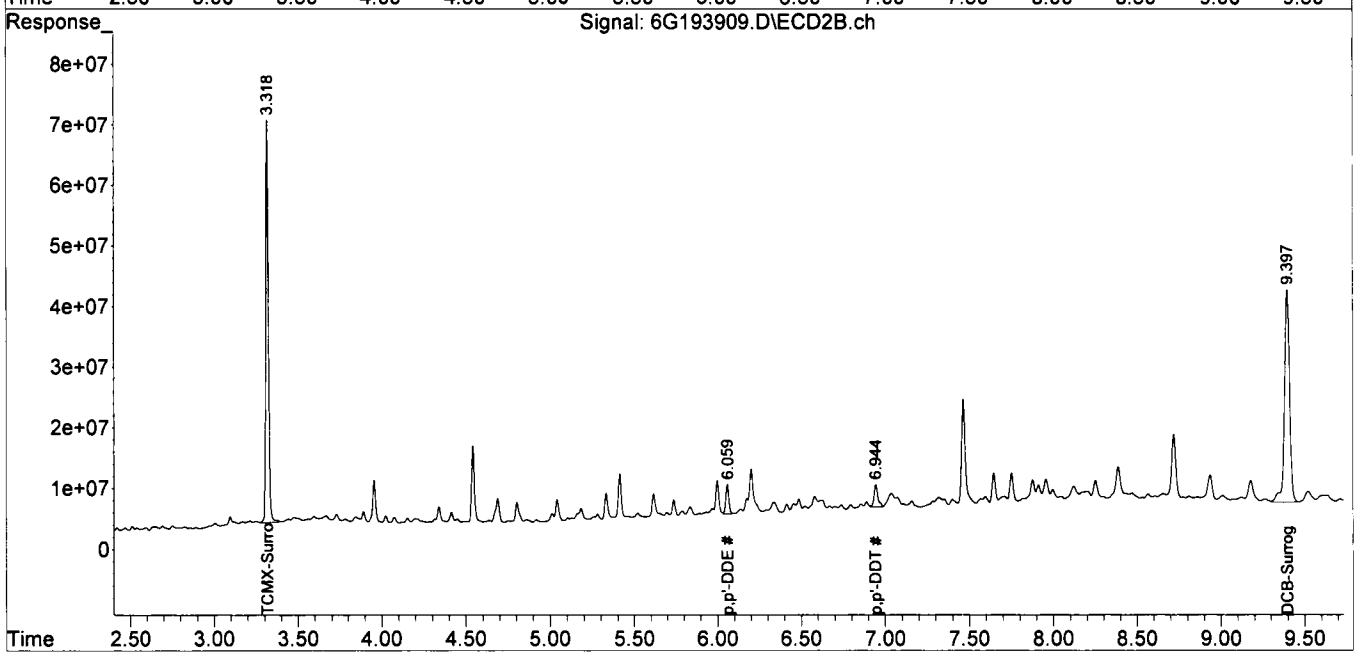
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193909.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 09:17
Operator : AH/PR/KM
Sample : AD48435-023
Misc : S,PEST
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 10:22:36 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48435-024
Client Id: SB-09-0-2.0'
Data File: 6G193910.D
Analysis Date: 12/06/24 09:29
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0055	U	53494-70-5	Endrin Ketone	0.0055	U
309-00-2	Aldrin	0.0055	U	58-89-9	gamma-BHC	0.0011	U
319-84-6	alpha-BHC	0.0011	U	76-44-8	Heptachlor	0.0055	U
319-85-7	beta-BHC	0.0011	U	1024-57-3	Heptachlor Epoxide	0.0055	U
319-86-8	delta-BHC	0.0055	U	72-43-5	Methoxychlor	0.0055	U
60-57-1	Dieldrin	0.0011	U	72-54-8	p,p'-DDD	0.0027	U
959-98-8	Endosulfan I	0.0055	U	72-55-9	p,p'-DDE	0.0027	U
33213-65-9	Endosulfan II	0.0055	U	50-29-3	p,p'-DDT	0.0027	U
1031-07-8	Endosulfan Sulfate	0.0055	U	8001-35-2	Toxaphene	0.027	U
72-20-8	Endrin	0.0055	U	5103-74-2	y-chlordane	0.0055	U
7421-93-4	Endrin Aldehyde	0.0055	U	57-74-9	Chlordane (Total)	0.0055	U

Worksheet #: 764353

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193910.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 09:29
Operator : AH/PR/KM
Sample : AD48435-024
Misc : S,PEST
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 10:23:32 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.076	3.318	836.3E6	666.0E6	87.175	88.765m
22)	DCB-Surrogate	8.306	9.398	666.1E6	520.4E6	78.199m	85.091

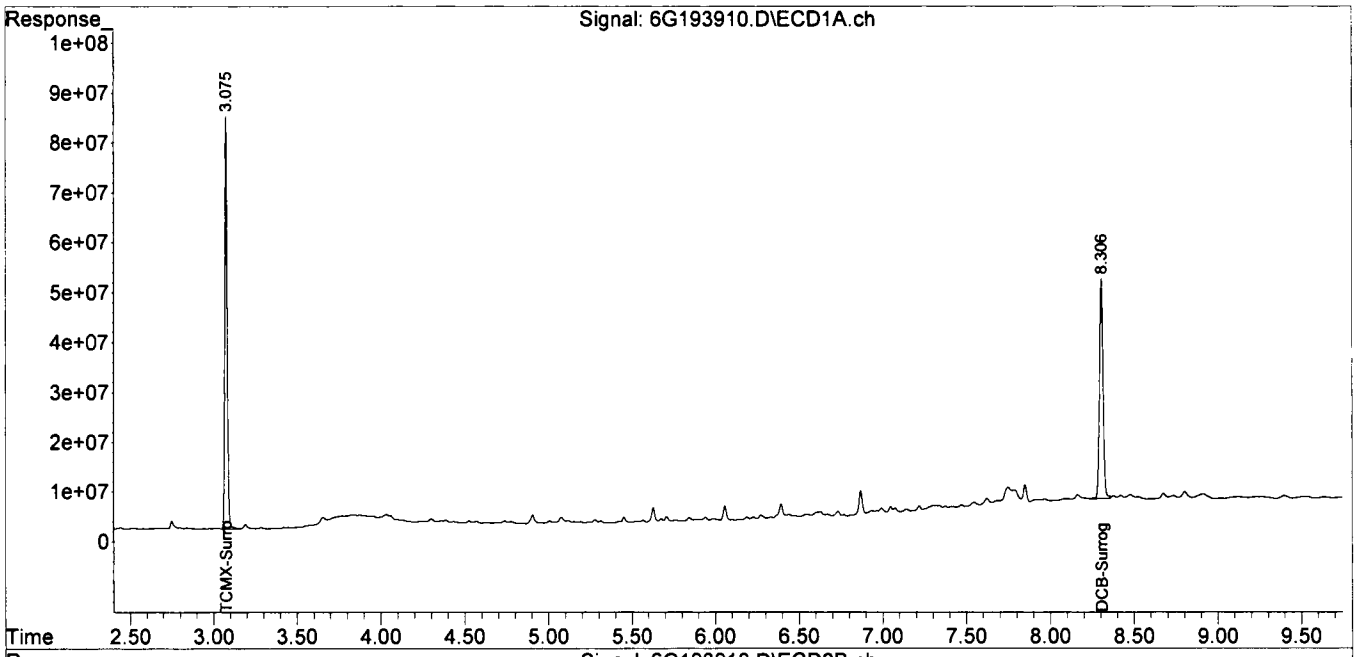
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

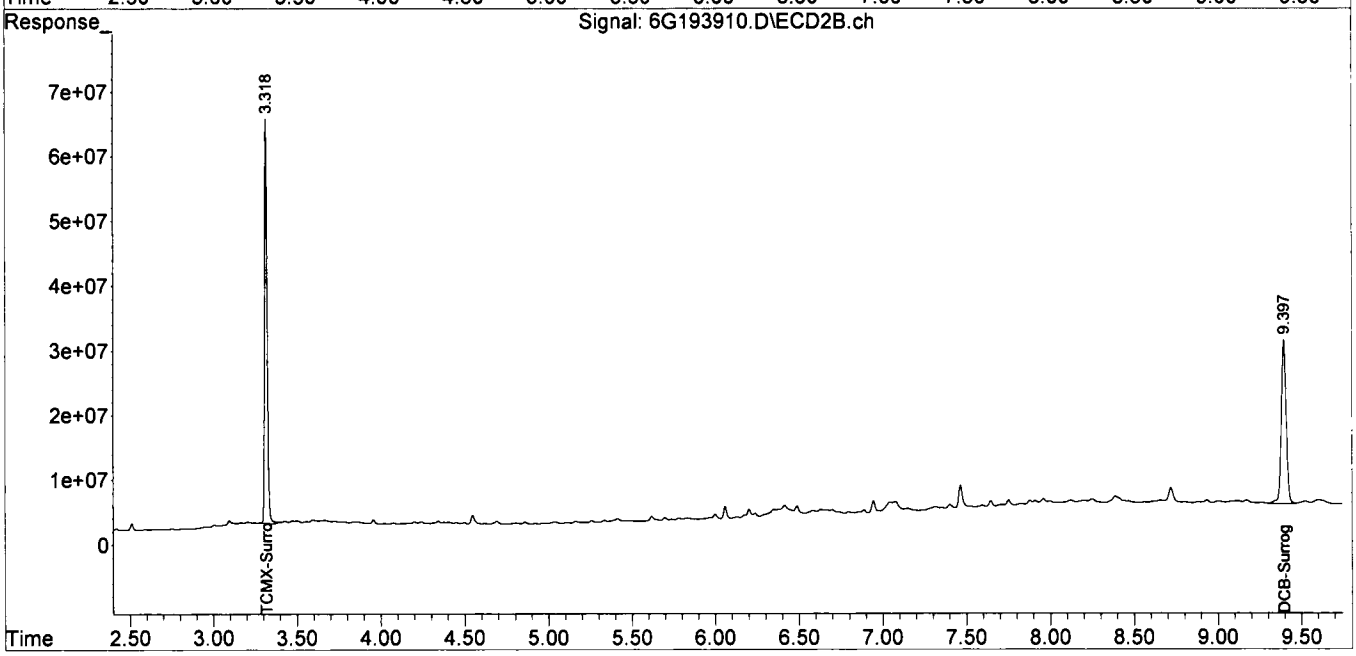
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-06-24\
Data File : 6G193910.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 09:29
Operator : AH/PR/KM
Sample : AD48435-024
Misc : S,PEST
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 10:23:32 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PETROLEUM HYDROCARBON REPORT

Sample Number: AD48435-007
Client Id: SB-01-COMP
Data File: 8G675839.D
Analysis Date: 12/03/24 17:03
Date Rec/Extracted: 11/27/24-12/02/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8015D
Matrix: Soil
Initial Vol: 5g
Final Vol: 1ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phchpd2	**Diesel Range Organics**	**70**	**92**				

Worksheet #: 764347

Total Target Concentration 92

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_8\Data\12-03-24\
Data File : 8G675839.D
Signal(s) : FID1A.CH
Acq On : 03-Dec-24, 17:03:55
Operator : AH/ABM/KT/JR
Sample : AD48435-007
Misc : S,TPH
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 04 12:45:56 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)mt	C8	0.000	0	N.D.		d
2)mte	C9	0.000	0	N.D.		d
3)mdte	C10	0.000	0	N.D.		d
4)mdte	C12	0.000	0	N.D.		d
5)mdte	C14	0.000	0	N.D.		d
6)dte	C16	0.000	0	N.D.		d
7)dte	C17	0.000	0	N.D.		d
8)dte	Pristane	0.000	0	N.D.		d
9)dte	C18	0.000	0	N.D.		d
10)dte	Phytane	0.000	0	N.D.		d
11)dte	C20	0.000	0	N.D.		d
12)dte	C22	0.000	0	N.D.		d
13)dte	C24	0.000	0	N.D.		d
14)dte	C26	0.000	0	N.D.		d
15)dte	C28	0.000	0	N.D.		d
16)te	C30	0.000	0	N.D.		d
17)te	C32	0.000	0	N.D.		d
18)te	C34	0.000	0	N.D.		d
19)te	C36	0.000	0	N.D.		d
20)t	C40	0.000	0	N.D.		d
21)	Chlorobenzene	2.234	12452	6.699		m
22)	O-Terphenyl	6.468	45281	14.784		
23)d	Diesel Range Organics(T	6.467f	1161509	464.168		m
24)t	Total Petroleum Hydroca	0.000	0	N.D.		d
25)e	Ext. Petroleum Hydrocar	0.000	0	N.D.		d
26)m	Mineral Spirits(TOTAL)	0.000	0	N.D.		d
27)m	Stoddard Solvent(TOTAL)	0.000	0	N.D.		d

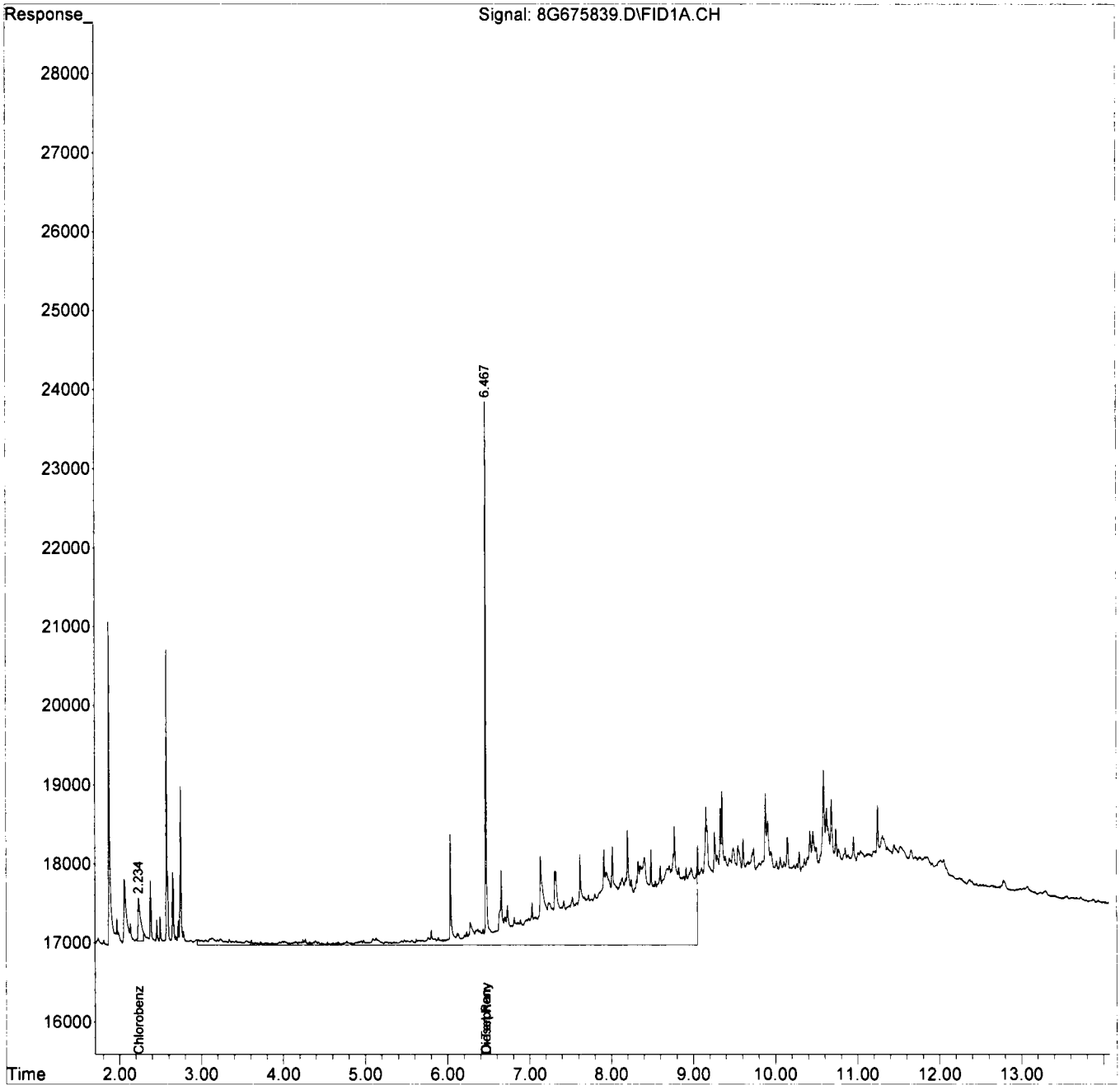
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_8\Data\12-03-24\
Data File : 8G675839.D
Signal(s) : FID1A.CH
Acq On : 03-Dec-24, 17:03:55
Operator : AH/ABM/KT/JR
Sample : AD48435-007
Misc : S,TPH
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 04 12:45:56 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :



Form1

ORGANICS REPORT

Sample Number: AD48435-007
Client Id: SB-01-COMP
Data File: 13AM30938.D
Analysis Date: 12/05/24 14:57
Date Rec/Extracted: 11/27/24-12/05/24
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8015D
Matrix: Methanol
Initial Vol: 5.91g:10ml
Final Vol: NA
Dilution: 84.6
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phcg	Gasoline Range Organics	25	U				

Worksheet #: 764235

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

Data Path : G:\GcMsData\2024\GC_13A\Data\12-05-24\
Data File : 13AM30938.D
Signal(s) : FID1A.ch
Acq On : 05 Dec 2024 14:57
Operator : WP/MD
Sample : AD48435-007
Misc : M,MEXT!4
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 05 15:36:04 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1)S 1,4-Dichlorobenzene-d4	9.406	640685	28.568	
Target Compounds				
2) 2-Methylpentane	0.000	0	N.D.	
3) 1,2,4-Trimethylbenzene	0.000	0	N.D.	
4)g Gasoline Range Organics	0.000	0	N.D.	ug/L d

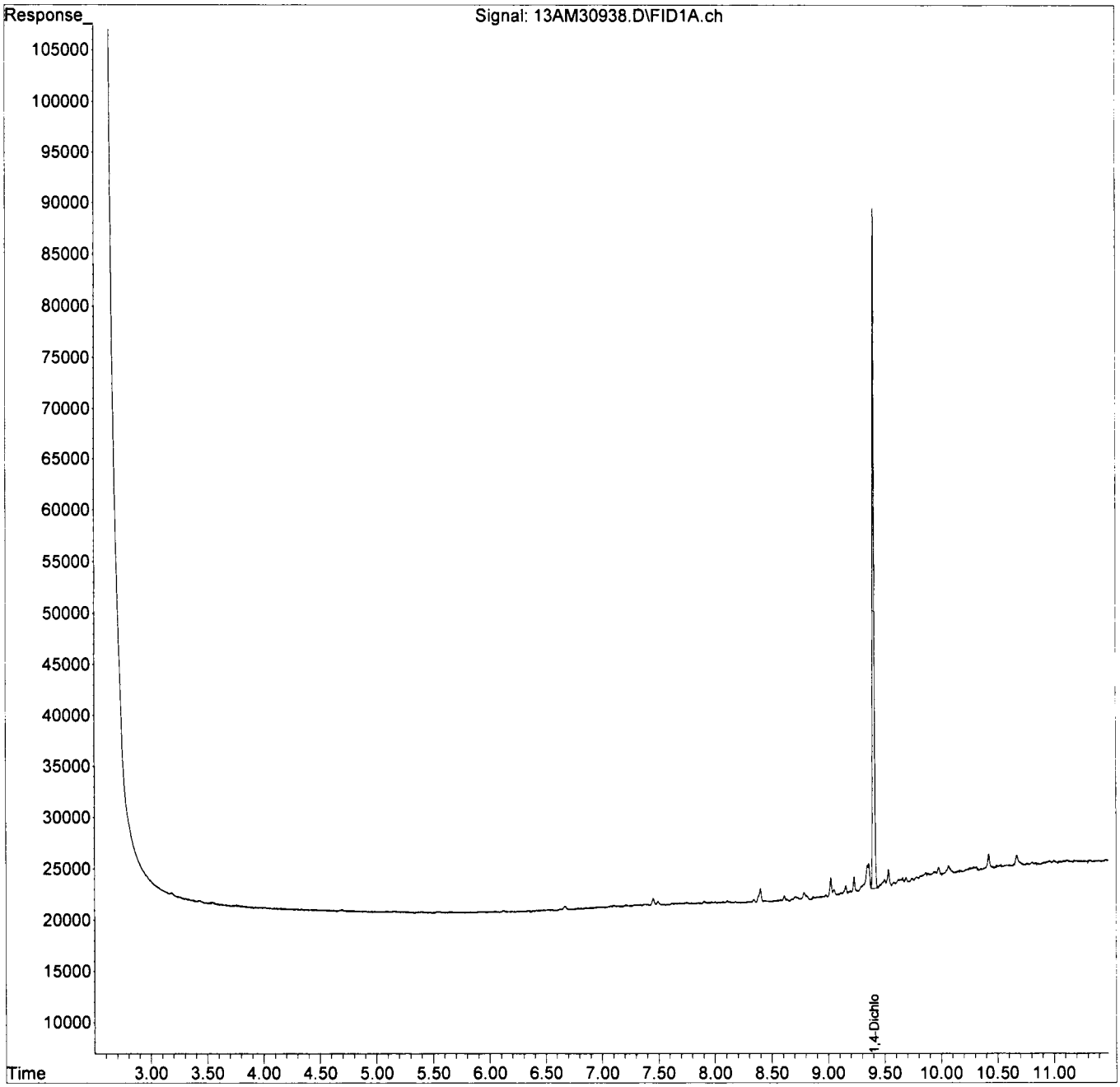
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\GcMsData\2024\GC_13A\Data\12-05-24\
Data File : 13AM30938.D
Signal(s) : FID1A.ch
Acq On : 05 Dec 2024 14:57
Operator : WP/MD
Sample : AD48435-007
Misc : M,MEXT!4
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 05 15:36:04 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



4112730 0433

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 US Highway 46, STE D and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787
Service Center: 137-C Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11406 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project# (Lab Use Only): 4112730

Page 1 of 3

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary	NJ Hazsite
1 Business Day (100%) *	Results + QC (Waste)	Excel Reg. NJ / NY / PA
2 Business Days (75%) *	Reduced:	EnviroData
3 Business Days (50%) *	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%) *	[ ] PA [ ] Other___	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[✓] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other:		Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: LiRO Engineers, Inc.
Address: 703 Gardner Street, Brooklyn, NY 11211
1b) Email/Cell/Fax/Ph: franks@liro.com
1c) Send Invoice to: Steve Frank
1d) Send Report to:

Project Information

2a) Project: Queens Botanical Gardens
2b) Project Mgr: Steve Frank
2c) Project Location (City/State): Queens, NY
2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY

Batch # A048435

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water; S - Soil; A - Air; GW - Ground Water; SL - Sludge; WW - Waste Water; OL - Oil; OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	TCL VOCs	SVOCs	PCBs	Pesticides	TAL Metals	TPHC DRO/GRO	RCRA Parameters	TCLP RCRA Metals	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001	SB-01-0-2.0'	S	11/25/24	1040		X	X	X	X	X	X				2								1x40z, 1x16oz.
002	SB-02-0-2.0'	S		1000		X	X	X	X	X	X				2								
003	SB-02-0-2.0' DUP	S		1000		X	X	X	X	X	X				2								
004	SB-03-0-2.0'	S		0930		X	X	X	X	X	X				2								
005	SB-04-0-2.0'	S		0920		X	X	X	X	X	X				2								
006	SB-01-5.5-6.0'	S		1045		X	X	X	X	X	X				2								
007	SB-01-COMP	S		1050	X							X	X	X	1								
008	SB-06-0-2.0'	S		1140		X	X	X	X	X	X				2								
009	SB-16-0-2.0'	S		1240		X	X	X	X	X	X				2								
010	SB-21-0-2.0'	S		1200		X	X	X	X	X	X				2								

10) Relinquished by:	Accepted by:	Date	Time
		11/27/24	11:30
		11/27/24	Sick

11) Sampler (print name): EVA JAKUBOWSKA Date: 11/27/2024

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270E SIM)
- [ ] VOC (8260D SIM or 8011)
- [ ] SPLP (BN, BNA, Metals)
- [ ] 1,4 Dioxane

For NJ LSRP projects, indicate which standards need to be met:
- [ ] NJDEP GWQS
- [ ] NJDEP SRS
- [ ] NJDEP SPLP
- [ ] Other (specify):

Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations
- [ ] NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2.7 2.4

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [ ] or client [ ] FSP#

4112730 0434

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 US Highway 46, STE D and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787

Service Center: 137-C Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992

A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project# (Lab Use Only): 4112730

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary	NJ Hazsite
1 Business Day (100%) *	Results + QC (Waste)	Excel Reg. NJ / NY / PA
2 Business Days (75%) *	Reduced:	EnviroData
3 Business Days (50%) *	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%) *	[ ] PA [ ] Other___	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[ ] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other:		Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: LIRO Engineers, Inc.
Address: 703 Lorimer Street
Brooklyn, NY 11211
1b) Email/Cell/Fax/Ph: franks@liro-hill.com
1c) Send Invoice to: Steve Frank
1d) Send Report to: same

Project Information

2a) Project: Queens Botanical Gardens
2b) Project Mgr: Steve Frank
2c) Project Location (City/State): Queens, NY
2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY

Batch # A048435

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	TCL VOCs	SVOCs	PCBs	Pesticides	TAL metals	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
011	SB-15-0-2.0'	S	11/25/24	1350		X	X	X	X	X	X	2								16 oz & 4 oz.
012	SB-20-0-2.0'	S	11/26/24	1020		X	X	X	X	X	X	2								
013	SB-05-0-2.0'	S		1110		X	X	X	X	X	X	2								
014	SB-05-0-2.0' DUP	S		1110		X	X	X	X	X	X	2								
015	SB-07-0-2.0'	S		1200		X	X	X	X	X	X	2								
016	SB-23-0-2.0'	S		0900		X	X	X	X	X	X	2								
017	SB-24-0-2.0'	S		1000		X	X	X	X	X	X	2								
018	SB-25-0-2.0'	S		1045		X	X	X	X	X	X	2								
019	SB-19-0-2.0'	S	11/27/24	0850		X	X	X	X	X	X	2								
020	SB-14-0-2.0'	S		0920		X	X	X	X	X	X	2								

10) Relinquished by:	Accepted by:	Date	Time
		11/27/24	11:30
		11/27/24	5:00

11) Sampler (print name): EVA JAKUBOWSKA Date: 11/27/2024

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270E SIM)
- [ ] VOC (8260D SIM or 8011)
- [ ] SPLP (BN, BNA, Metals)
- [ ] 1,4 Dioxane

For NJ LSRP projects, indicate which standards need to be met:
- [ ] NJDEP GWQS
- [ ] NJDEP SRS
- [ ] NJDEP SPLP
- [ ] Other (specify):

Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations
- [ ] NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2.7 2.4

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [ ] or client [ ] FSP#

4112730 0435

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 US Highway 46, STE D and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787
Service Center: 137-C Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY RECORD

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

Project# (Lab Use Only): 4112730

Page 3 of 3

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary	NJ Hazsite
1 Business Day (100%) *	Results + QC (Waste)	Excel Reg. NJ / NY / PA
2 Business Days (75%) *	Reduced:	EnviroData
3 Business Days (50%) *	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%) *	[ ] PA [ ] Other___	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[V] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other:		Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: LRO Engineers, Inc.
Address: 703 Lorimer Street
Brooklyn, NY 11211
1b) Email/Cell/Fax/Ph:
1c) Send Invoice to: Steve Frank
1d) Send Report to:

Project Information

2a) Project: WBG
Same as pg # 1
2b) Project Mgr:
2c) Project Location (City/State): Queens, NY
2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY ↓
Batch # AD48435

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis *(specify methods & parameter lists)*

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	TCL VOCs	SVOCs	PCBs	Pesticides	TAL Metals	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
021	SB-13-0-2.0'	S	11/27/24	0950		X	X	X	X	X	X	2								16 oz, 4 oz.
022	SB-18-0-2.0'	S		1020		X	X	X	X	X	X	2								
023	SB-08-0-2.0'	S		1100		X	X	X	X	X	X	2								
024	SB-09-0-2.0'	S	✓	1115		X	X	X	X	X	X	2								
025	Trip Blank #1	DI Water	11/27/24	—		X	X					3								40 ml.

10) Relinquished by:	Accepted by:	Date	Time
Ela Jakubowska		11/27/24	11:30
Ashley Rhodes		11/27/24	5:00

11) Sampler (print name): ELA JAKUBOWSKA Date: 11/27/24

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270E SIM)
- [ ] VOC (8260D SIM or 8011)
- [ ] SPLP (BN, BNA, Metals)
- [ ] 1,4 Dioxane

Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations
- [ ] NJ LSRP Project (also check boxes above/right)

For NJ LSRP projects, indicate which standards need to be met:
- [ ] NJDEP GWQS
- [ ] NJDEP SRS
- [ ] NJDEP SPLP
- [ ] Other (specify):

Cooler Temperature: 2.7 2.4

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [ ] or client [ ] FSP#

CONDITION UPON RECEIPT

Batch Number AD48435 Entered By: Ricardo

Date Entered 11/27/2024 5:14:00 PM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	No	Are the COC seals intact?
4	T-461	<--- Thermometer ID. Please specify the Temperature inside the container (in degC). 2.7,2.4
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	Yes	Are samples preserved correctly?
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify (TB date, sample matrix, any missing info, etc.)
14	NA	Corrective actions (Specify item number and corrective action taken).
15	NA	Were any samples for ortho-phosphate or dissolved ferrous iron field filtered?

PRESERVATION DOCUMENT

Batch Number AD48435 Entered By: Ricardo

Date Entered 11/27/2024 5:15:00 PM

Lab#:	Container Size	Container/Vial Check	Parameter	Preservative	Preservative Lot#	PH	pH Lot#
AD48435-001	NA	NA	NA	NA	NA	NA	NA
AD48435-002	NA	NA	NA	NA	NA	NA	NA
AD48435-003	NA	NA	NA	NA	NA	NA	NA
AD48435-004	NA	NA	NA	NA	NA	NA	NA
AD48435-005	NA	NA	NA	NA	NA	NA	NA
AD48435-006	NA	NA	NA	NA	NA	NA	NA
AD48435-007	NA	NA	NA	NA	NA	NA	NA
AD48435-008	NA	NA	NA	NA	NA	NA	NA
AD48435-009	NA	NA	NA	NA	NA	NA	NA
AD48435-010	NA	NA	NA	NA	NA	NA	NA
AD48435-011	NA	NA	NA	NA	NA	NA	NA
AD48435-012	NA	NA	NA	NA	NA	NA	NA
AD48435-013	NA	NA	NA	NA	NA	NA	NA
AD48435-014	NA	NA	NA	NA	NA	NA	NA
AD48435-015	NA	NA	NA	NA	NA	NA	NA
AD48435-016	NA	NA	NA	NA	NA	NA	NA
AD48435-017	NA	NA	NA	NA	NA	NA	NA
AD48435-018	NA	NA	NA	NA	NA	NA	NA
AD48435-019	NA	NA	NA	NA	NA	NA	NA
AD48435-020	NA	NA	NA	NA	NA	NA	NA
AD48435-021	NA	NA	NA	NA	NA	NA	NA
AD48435-022	NA	NA	NA	NA	NA	NA	NA
AD48435-023	NA	NA	NA	NA	NA	NA	NA
AD48435-024	NA	NA	NA	NA	NA	NA	NA
AD48435-025	40ml	G	VO	HCL	23E1262007	1.0	HC441704

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 11M131254.D
Analysis Date: 12/03/24 16:48
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol:
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0020	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
120-82-1	1,2,4-Trichlorobenzene	0.0020	U	110-82-7	Cyclohexane	0.0020	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0020	U	124-48-1	Dibromochloromethane	0.0020	U
106-93-4	1,2-Dibromoethane	0.0010	U	75-71-8	Dichlorodifluoromethane	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	100-41-4	Ethylbenzene	0.0010	U
107-06-2	1,2-Dichloroethane	0.0020	U	98-82-8	Isopropylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0020	U	79601-23-1	m&p-Xylenes	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	79-20-9	Methyl Acetate	0.0020	U
106-46-7	1,4-Dichlorobenzene	0.0020	U	108-87-2	Methylcyclohexane	0.0020	U
123-91-1	1,4-Dioxane	0.10	U	75-09-2	Methylene Chloride	0.0020	U
78-93-3	2-Butanone	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
591-78-6	2-Hexanone	0.0020	U	95-47-6	o-Xylene	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.0020	U	100-42-5	Styrene	0.0020	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0020	U
71-43-2	Benzene	0.0010	U	108-88-3	Toluene	0.0010	U
74-97-5	Bromochloromethane	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-25-2	Bromoform	0.0020	U	79-01-6	Trichloroethene	0.0020	U
74-83-9	Bromomethane	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
75-15-0	Carbon Disulfide	0.0050	U	75-01-4	Vinyl Chloride	0.0020	U

Worksheet #: 764152

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

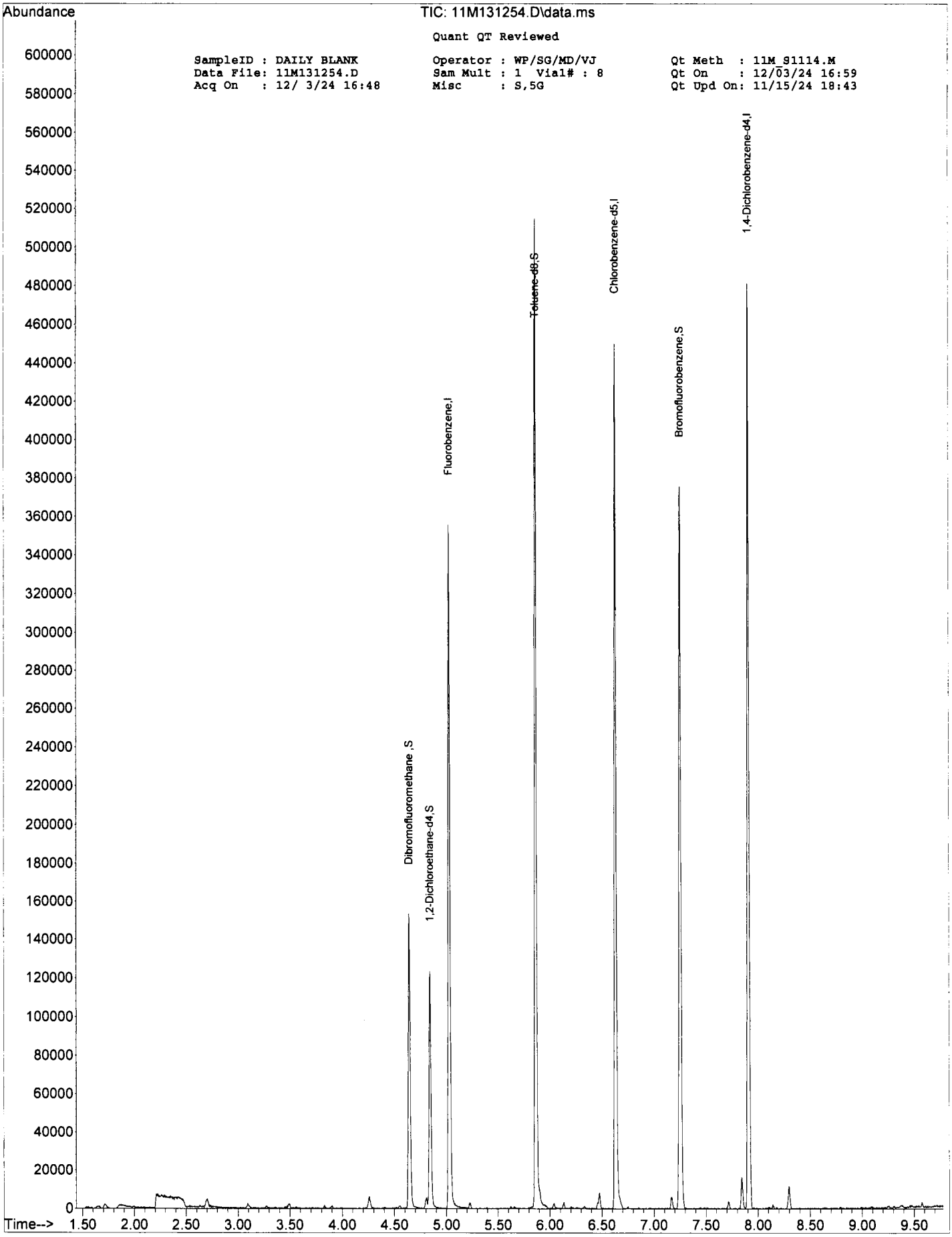
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131254.D Sam Mult : 1 Vial# : 8 Qt On : 12/03/24 16:59
Acq On : 12/ 3/24 16:48 Misc : S,5G Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.029	96	220082	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	185843	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.909	152	105848	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	61029	29.04	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.80%			
39) 1,2-Dichloroethane-d4	4.842	67	32035	18.45	ug/l	0.00
Spiked Amount 30.000			Recovery = 61.50%			
66) Toluene-d8	5.868	98	236763	31.23	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.10%			
76) Bromofluorobenzene	7.257	174	82321	28.84	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.13%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131254.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 11M131254.D
Acq On : 12/ 3/24 16:48
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 8
Misc : S,5G
Qt Meth : 11M_S1114.M
Qt On : 12/03/24 16:59
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 11M131294.D
Analysis Date: 12/04/24 12:42
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol:
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: /Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	2.0	U	56-23-5	Carbon Tetrachloride	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	108-90-7	Chlorobenzene	2.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	2.0	U	75-00-3	Chloroethane	2.0	U
79-00-5	1,1,2-Trichloroethane	2.0	U	67-66-3	Chloroform	2.0	U
75-34-3	1,1-Dichloroethane	2.0	U	74-87-3	Chloromethane	2.0	U
75-35-4	1,1-Dichloroethene	2.0	U	156-59-2	cis-1,2-Dichloroethene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U	10061-01-5	cis-1,3-Dichloropropene	2.0	U
120-82-1	1,2,4-Trichlorobenzene	2.0	U	110-82-7	Cyclohexane	2.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	2.0	U	124-48-1	Dibromochloromethane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	2.0	U
95-50-1	1,2-Dichlorobenzene	2.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	2.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	2.0	U	79601-23-1	m&p-Xylenes	1.4	U
541-73-1	1,3-Dichlorobenzene	2.0	U	79-20-9	Methyl Acetate	2.0	U
106-46-7	1,4-Dichlorobenzene	2.0	U	108-87-2	Methylcyclohexane	2.0	U
123-91-1	1,4-Dioxane	100	U	75-09-2	Methylene Chloride	2.0	U
78-93-3	2-Butanone	2.0	U	1634-04-4	Methyl-t-butyl ether	1.0	U
591-78-6	2-Hexanone	2.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	2.0	U	100-42-5	Styrene	2.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	2.0	U
71-43-2	Benzene	1.0	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	2.0	U	156-60-5	trans-1,2-Dichloroethene	2.0	U
75-27-4	Bromodichloromethane	2.0	U	10061-02-6	trans-1,3-Dichloropropene	2.0	U
75-25-2	Bromoform	2.0	U	79-01-6	Trichloroethene	2.0	U
74-83-9	Bromomethane	2.0	U	75-69-4	Trichlorofluoromethane	2.0	U
75-15-0	Carbon Disulfide	5.0	U	75-01-4	Vinyl Chloride	2.0	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

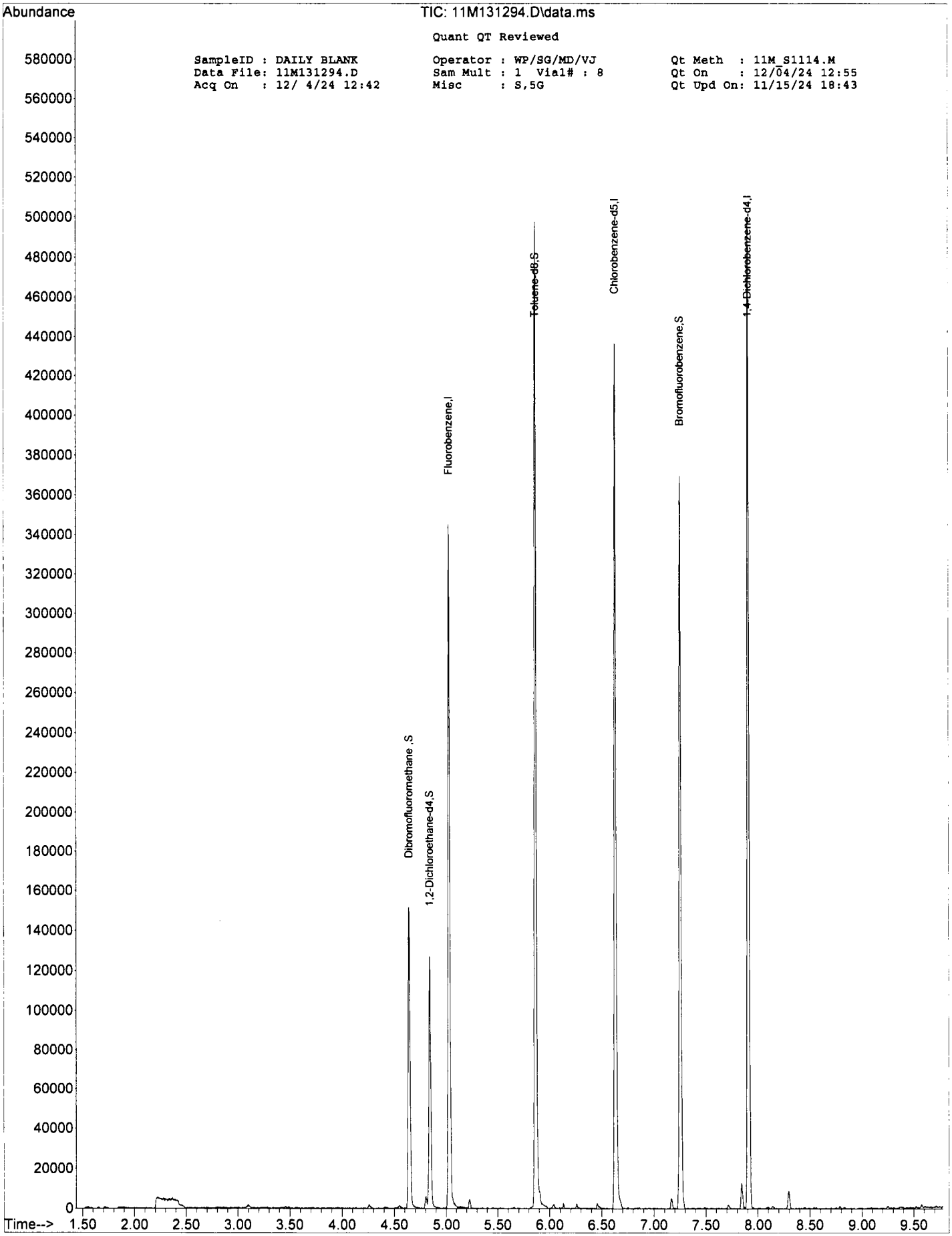
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP/SG/MD/VJ Qt Meth : 11M_S1114.M
Data File: 11M131294.D Sam Mult : 1 Vial# : 8 Qt On : 12/04/24 12:55
Acq On : 12/ 4/24 12:42 Misc : S,5G Qt Upd On: 11/15/24 18:43

Data Path : G:\GcMsData\2024\GCMS_11\Data\12-04-24\
Qt Path : G:\GcMsData\2024\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.029	96	214684	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.633	117	186974	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	7.909	152	105565	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.643	111	60377	29.45	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.17%			
39) 1,2-Dichloroethane-d4	4.842	67	32275m	19.06	ug/l	0.00
Spiked Amount 30.000			Recovery = 63.53%			
66) Toluene-d8	5.868	98	233037	30.56	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.87%			
76) Bromofluorobenzene	7.257	174	81591	28.66	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.53%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 11M131294.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 11M131294.D
Acq On : 12/ 4/24 12:42
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 8
Misc : S,5G
Qt Meth : 11M_S1114.M
Qt On : 12/04/24 12:55
Qt Upd On: 11/15/24 18:43
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M195812.D
Analysis Date: 12/03/24 12:00
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U

Worksheet #: 764152

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

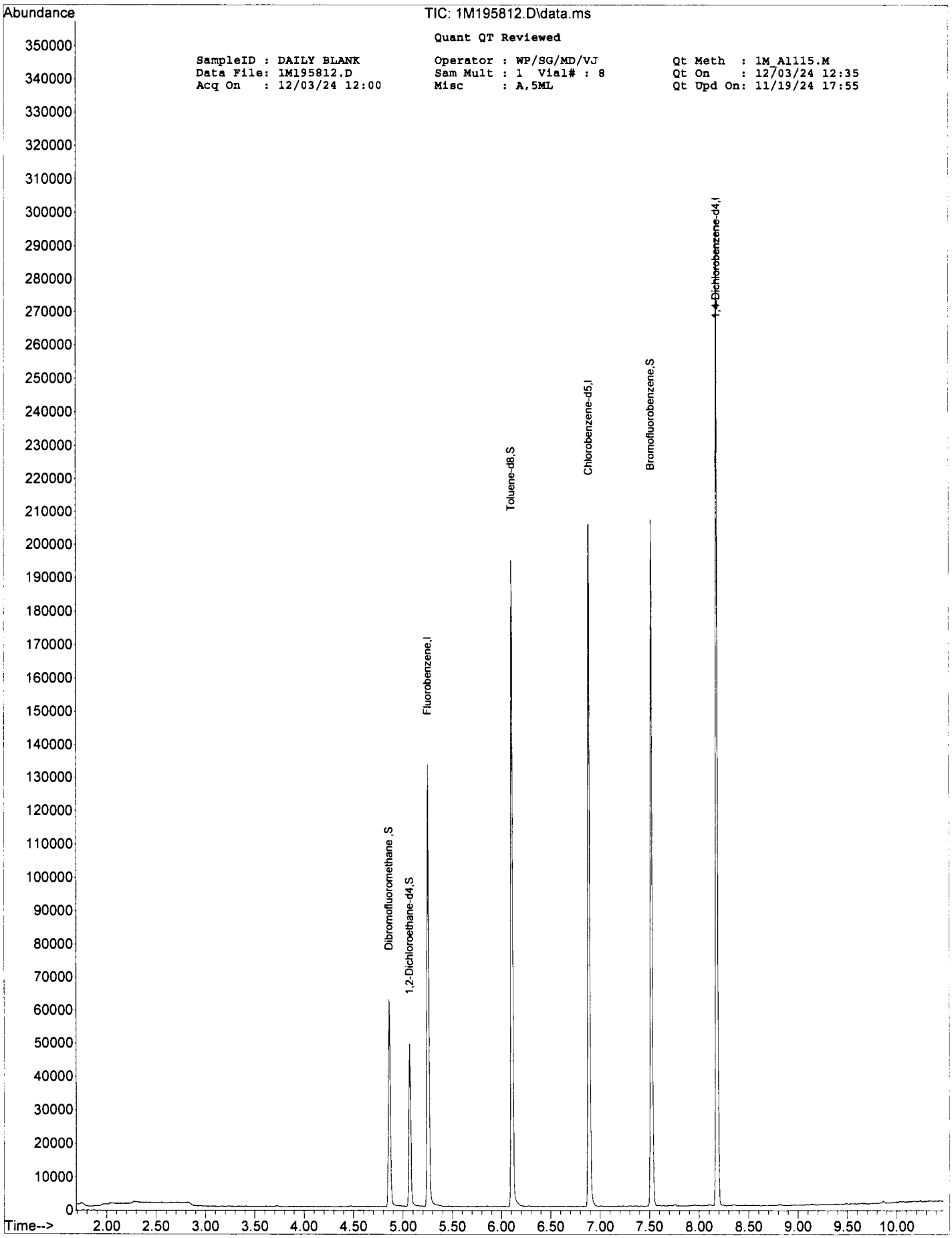
SampleID : DAILY BLANK Operator : WP/SG/MD/VJ Qt Meth : 1M_A1115.M
Data File: 1M195812.D Sam Mult : 1 Vial# : 8 Qt On : 12/03/24 12:35
Acq On : 12/03/24 12:00 Misc : A,5ML Qt Upd On: 11/19/24 17:55

Data Path : G:\GcMsData\2024\GCMS_1\Data\12-03-24\
Qt Path : G:\GcMsData\2024\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.253	96	88009	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.893	117	96010	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.186	152	65935	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.863	111	26657	33.09	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.30%			
39) 1,2-Dichloroethane-d4	5.071	67	12198	27.63	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.10%			
66) Toluene-d8	6.107	98	95034	28.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.20%			
76) Bromofluorobenzene	7.521	174	44141	28.25	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.17%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M195812.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 1M195812.D
Acq On : 12/03/24 12:00
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 8
Misc : A,5ML
Qt Meth : 1M_A1115.M
Qt On : 12/03/24 12:35
Qt Upd On: 11/19/24 17:55
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M189400.D
Analysis Date: 12/02/24 11:06
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol:
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: /Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	2.0	U	56-23-5	Carbon Tetrachloride	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	108-90-7	Chlorobenzene	2.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	2.0	U	75-00-3	Chloroethane	2.0	U
79-00-5	1,1,2-Trichloroethane	2.0	U	67-66-3	Chloroform	2.0	U
75-34-3	1,1-Dichloroethane	2.0	U	74-87-3	Chloromethane	2.0	U
75-35-4	1,1-Dichloroethene	2.0	U	156-59-2	cis-1,2-Dichloroethene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U	10061-01-5	cis-1,3-Dichloropropene	2.0	U
120-82-1	1,2,4-Trichlorobenzene	2.0	U	110-82-7	Cyclohexane	2.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	2.0	U	124-48-1	Dibromochloromethane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	2.0	U
95-50-1	1,2-Dichlorobenzene	2.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	2.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	2.0	U	79601-23-1	m&p-Xylenes	1.4	U
541-73-1	1,3-Dichlorobenzene	2.0	U	79-20-9	Methyl Acetate	2.0	U
106-46-7	1,4-Dichlorobenzene	2.0	U	108-87-2	Methylcyclohexane	2.0	U
123-91-1	1,4-Dioxane	100	U	75-09-2	Methylene Chloride	2.0	U
78-93-3	2-Butanone	2.0	U	1634-04-4	Methyl-t-butyl ether	1.0	U
591-78-6	2-Hexanone	2.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	2.0	U	100-42-5	Styrene	2.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	2.0	U
71-43-2	Benzene	1.0	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	2.0	U	156-60-5	trans-1,2-Dichloroethene	2.0	U
75-27-4	Bromodichloromethane	2.0	U	10061-02-6	trans-1,3-Dichloropropene	2.0	U
75-25-2	Bromoform	2.0	U	79-01-6	Trichloroethene	2.0	U
74-83-9	Bromomethane	2.0	U	75-69-4	Trichlorofluoromethane	2.0	U
75-15-0	Carbon Disulfide	5.0	U	75-01-4	Vinyl Chloride	2.0	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

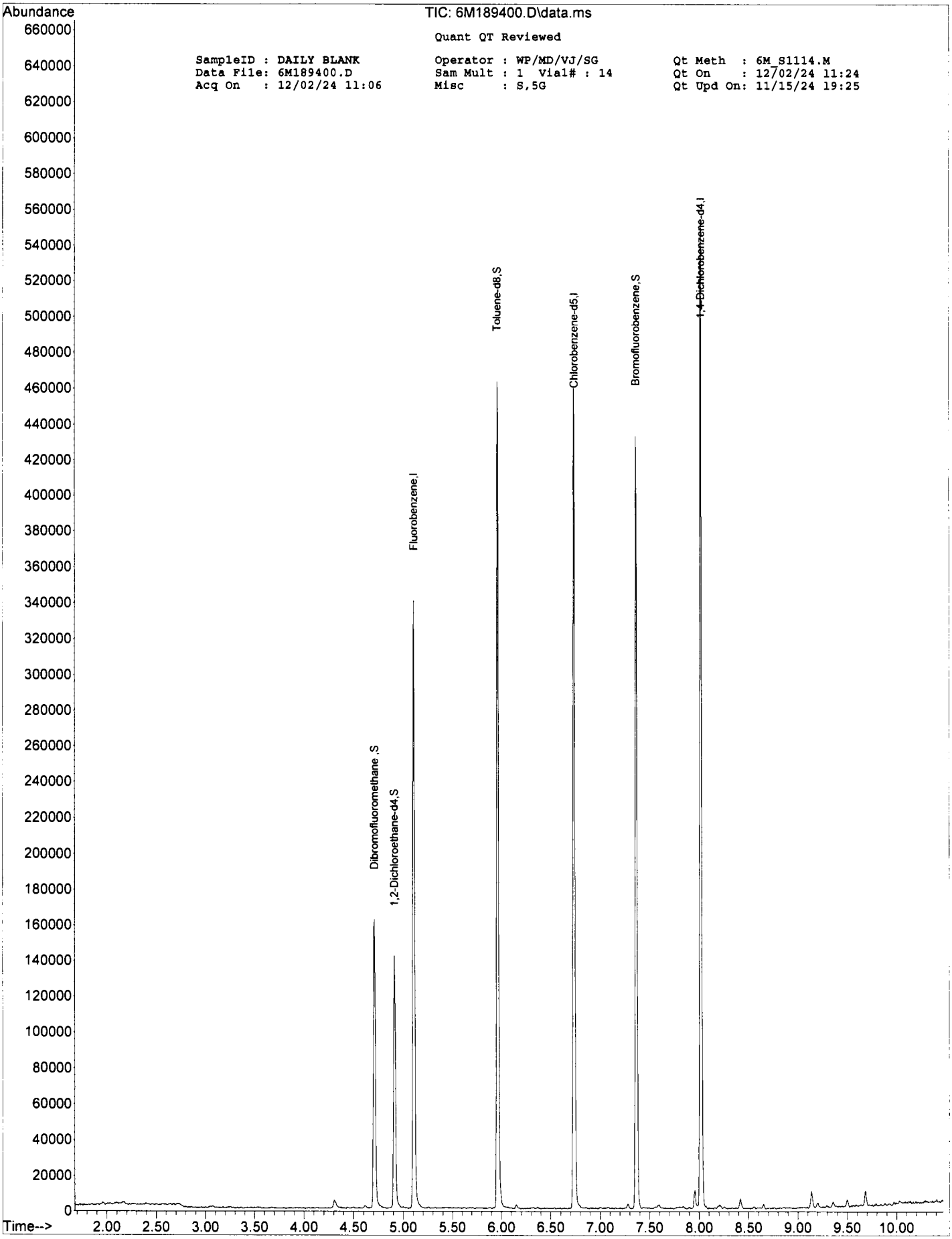
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189400.D Sam Mult : 1 Vial# : 14 Qt On : 12/02/24 11:24
Acq On : 12/02/24 11:06 Misc : S,5G Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-02-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	193346	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	177237	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	106521	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	63607	32.07	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.90%			
39) 1,2-Dichloroethane-d4	4.914	67	33163	37.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 125.90%			
66) Toluene-d8	5.962	98	217158	32.30	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.67%			
76) Bromofluorobenzene	7.365	174	78714	29.25	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.50%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189400.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 6M189400.D
Acq On : 12/02/24 11:06
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 14
Misc : S,5G
Qt Meth : 6M_S1114.M
Qt On : 12/02/24 11:24
Qt Upd On: 11/15/24 19:25
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M189512.D
Analysis Date: 12/04/24 15:52
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol:
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: /Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	2.0	U	56-23-5	Carbon Tetrachloride	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	108-90-7	Chlorobenzene	2.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	2.0	U	75-00-3	Chloroethane	2.0	U
79-00-5	1,1,2-Trichloroethane	2.0	U	67-66-3	Chloroform	2.0	U
75-34-3	1,1-Dichloroethane	2.0	U	74-87-3	Chloromethane	2.0	U
75-35-4	1,1-Dichloroethene	2.0	U	156-59-2	cis-1,2-Dichloroethene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	2.0	U	10061-01-5	cis-1,3-Dichloropropene	2.0	U
120-82-1	1,2,4-Trichlorobenzene	2.0	U	110-82-7	Cyclohexane	2.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	2.0	U	124-48-1	Dibromochloromethane	2.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	2.0	U
95-50-1	1,2-Dichlorobenzene	2.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	2.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	2.0	U	79601-23-1	m&p-Xylenes	1.4	U
541-73-1	1,3-Dichlorobenzene	2.0	U	79-20-9	Methyl Acetate	2.0	U
106-46-7	1,4-Dichlorobenzene	2.0	U	108-87-2	Methylcyclohexane	2.0	U
123-91-1	1,4-Dioxane	100	U	75-09-2	Methylene Chloride	2.0	U
78-93-3	2-Butanone	2.0	U	1634-04-4	Methyl-t-butyl ether	1.0	U
591-78-6	2-Hexanone	2.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	2.0	U	100-42-5	Styrene	2.0	U
67-64-1	Acetone	10	U	127-18-4	Tetrachloroethene	2.0	U
71-43-2	Benzene	1.0	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	2.0	U	156-60-5	trans-1,2-Dichloroethene	2.0	U
75-27-4	Bromodichloromethane	2.0	U	10061-02-6	trans-1,3-Dichloropropene	2.0	U
75-25-2	Bromoform	2.0	U	79-01-6	Trichloroethene	2.0	U
74-83-9	Bromomethane	2.0	U	75-69-4	Trichlorofluoromethane	2.0	U
75-15-0	Carbon Disulfide	5.0	U	75-01-4	Vinyl Chloride	2.0	U

Worksheet #: 764144

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

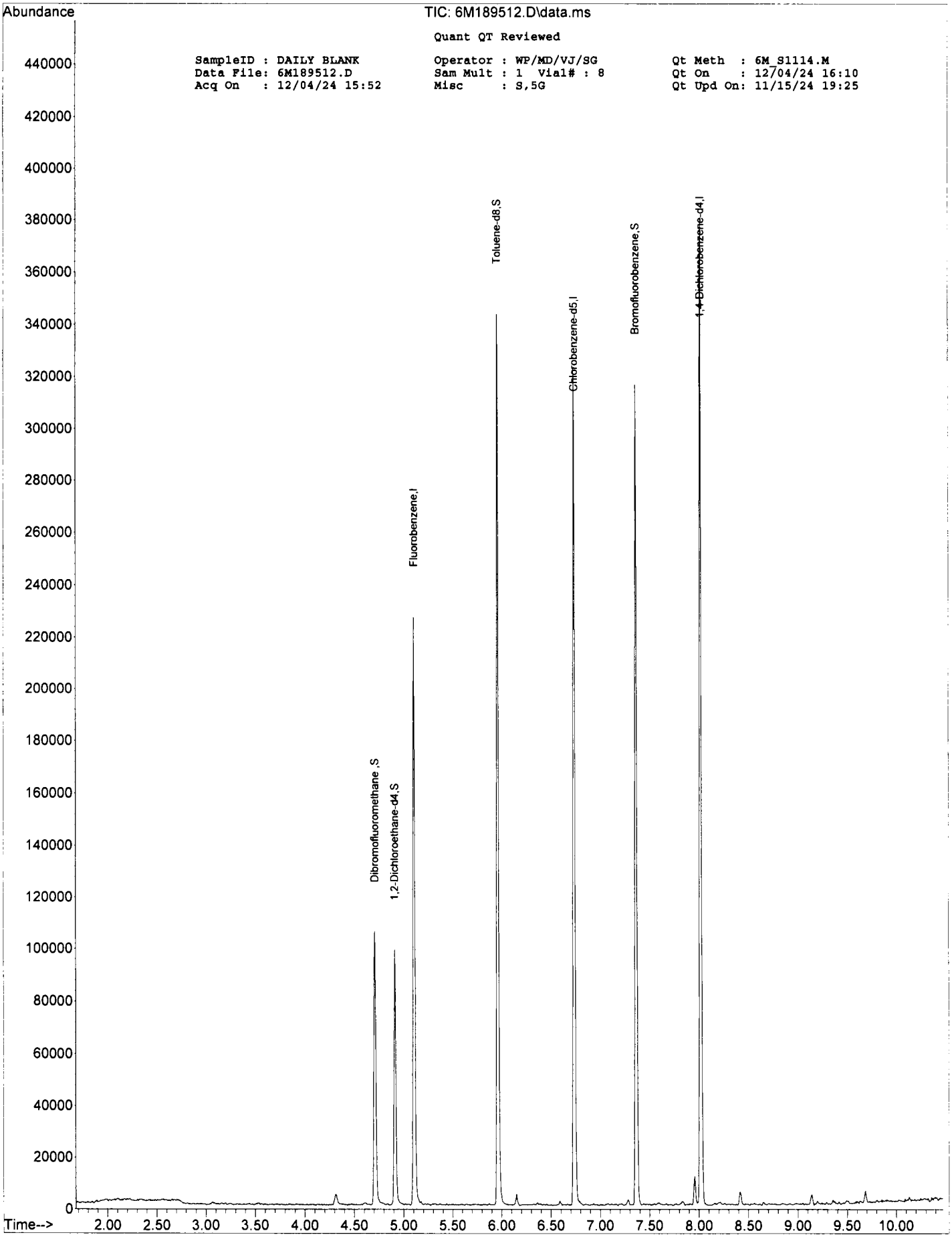
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189512.D Sam Mult : 1 Vial# : 8 Qt On : 12/04/24 16:10
Acq On : 12/04/24 15:52 Misc : S,5G Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-04-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	125623	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	115882	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	71297	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	39855	30.93	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.10%			
39) 1,2-Dichloroethane-d4	4.914	67	21915	38.41	ug/l	0.00
Spiked Amount 30.000			Recovery = 128.03%			
66) Toluene-d8	5.962	98	157513	35.84	ug/l	0.00
Spiked Amount 30.000			Recovery = 119.47%			
76) Bromofluorobenzene	7.365	174	54701	30.37	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.23%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189512.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 6M189512.D
Acq On : 12/04/24 15:52
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 8
Misc : S,5G
Qt Meth : 6M_S1114.M
Qt On : 12/04/24 16:10
Qt Upd On: 11/15/24 19:25
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB119813
Client Id:
Data File: 9M130902.D
Analysis Date: 12/05/24 17:27
Date Rec/Extracted: NA-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.033	U	50-32-8	Benzo[a]pyrene	0.033	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.033	U	205-99-2	Benzo[b]fluoranthene	0.033	U
123-91-1	1,4-Dioxane	0.033	U	191-24-2	Benzo[g,h,i]perylene	0.033	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.033	U	207-08-9	Benzo[k]fluoranthene	0.033	U
95-95-4	2,4,5-Trichlorophenol	0.033	U	111-91-1	bis(2-Chloroethoxy)methan	0.033	U
88-06-2	2,4,6-Trichlorophenol	0.033	U	111-44-4	bis(2-Chloroethyl)ether	0.013	U
120-83-2	2,4-Dichlorophenol	0.033	U	108-60-1	bis(2-chloroisopropyl)ether	0.033	U
105-67-9	2,4-Dimethylphenol	0.033	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.033	U
51-28-5	2,4-Dinitrophenol	0.17	U	85-68-7	Butylbenzylphthalate	0.033	U
121-14-2	2,4-Dinitrotoluene	0.033	U	105-60-2	Caprolactam	0.033	U
606-20-2	2,6-Dinitrotoluene	0.033	U	86-74-8	Carbazole	0.033	U
91-58-7	2-Chloronaphthalene	0.033	U	218-01-9	Chrysene	0.033	U
95-57-8	2-Chlorophenol	0.033	U	53-70-3	Dibenzo[a,h]anthracene	0.033	U
91-57-6	2-Methylnaphthalene	0.033	U	132-64-9	Dibenzofuran	0.033	U
95-48-7	2-Methylphenol	0.033	U	84-66-2	Diethylphthalate	0.033	U
88-74-4	2-Nitroaniline	0.033	U	131-11-3	Dimethylphthalate	0.033	U
88-75-5	2-Nitrophenol	0.033	U	84-74-2	Di-n-butylphthalate	0.17	U
106-44-5	3&4-Methylphenol	0.033	U	117-84-0	Di-n-octylphthalate	0.033	U
91-94-1	3,3'-Dichlorobenzidine	0.033	U	206-44-0	Fluoranthene	0.033	U
99-09-2	3-Nitroaniline	0.033	U	86-73-7	Fluorene	0.033	U
534-52-1	4,6-Dinitro-2-methylphenol	0.17	U	118-74-1	Hexachlorobenzene	0.033	U
101-55-3	4-Bromophenyl-phenylether	0.033	U	87-68-3	Hexachlorobutadiene	0.033	U
59-50-7	4-Chloro-3-methylphenol	0.033	U	77-47-4	Hexachlorocyclopentadiene	0.17	U
106-47-8	4-Chloroaniline	0.033	U	67-72-1	Hexachloroethane	0.033	U
7005-72-3	4-Chlorophenyl-phenylether	0.033	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.033	U
100-01-6	4-Nitroaniline	0.033	U	78-59-1	Isophorone	0.033	U
100-02-7	4-Nitrophenol	0.033	U	91-20-3	Naphthalene	0.033	U
83-32-9	Acenaphthene	0.033	U	98-95-3	Nitrobenzene	0.033	U
208-96-8	Acenaphthylene	0.033	U	621-64-7	N-Nitroso-di-n-propylamine	0.033	U
98-86-2	Acetophenone	0.033	U	86-30-6	n-Nitrosodiphenylamine	0.033	U
120-12-7	Anthracene	0.033	U	87-86-5	Pentachlorophenol	0.17	U
1912-24-9	Atrazine	0.033	U	85-01-8	Phenanthrene	0.033	U
100-52-7	Benzaldehyde	0.033	U	108-95-2	Phenol	0.033	U
56-55-3	Benzo[a]anthracene	0.033	U	129-00-0	Pyrene	0.033	U

Worksheet #: 764414

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

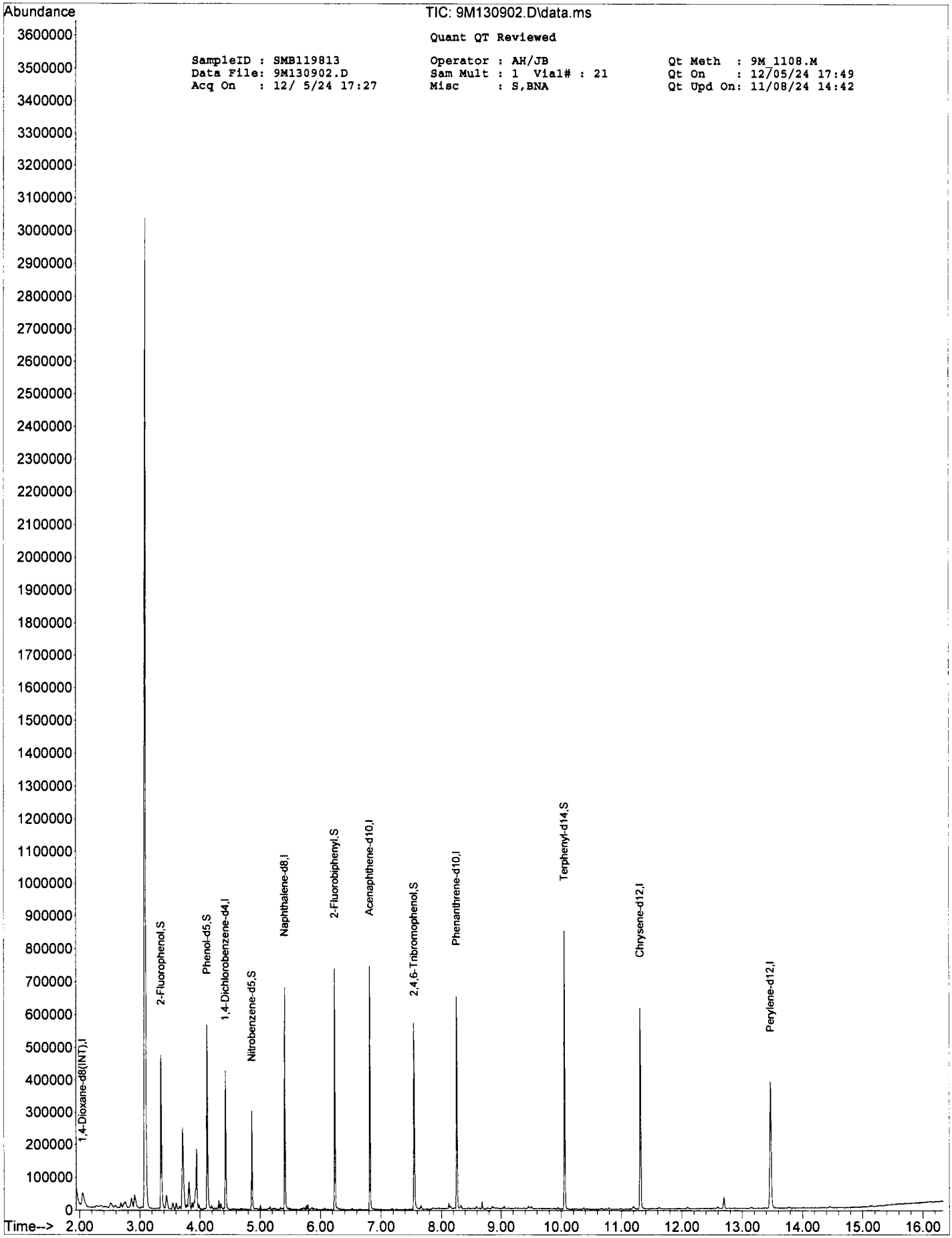
Quantitation Report (QT Reviewed)

SampleID : SMB119813 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130902.D Sam Mult : 1 Vial# : 21 Qt On : 12/05/24 17:49
Acq On : 12/ 5/24 17:27 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-0524\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.049	96	40257	40.00	ng	-0.06
21) 1,4-Dichlorobenzene-d4	4.425	152	67459	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	255857	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	146757	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	264859	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	241212	40.00	ng	-0.05
102) Perylene-d12	13.471	264	236015	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	166162	77.00	ng	-0.04
Spiked Amount 100.000			Recovery = 77.00%			
16) Phenol-d5	4.119	99	213873	75.46	ng	-0.04
Spiked Amount 100.000			Recovery = 75.46%			
32) Nitrobenzene-d5	4.866	128	44777	43.54	ng	-0.04
Spiked Amount 50.000			Recovery = 87.08%			
55) 2-Fluorobiphenyl	6.242	172	209174	45.58	ng	-0.04
Spiked Amount 50.000			Recovery = 91.16%			
79) 2,4,6-Tribromophenol	7.554	330	76430	113.95	ng	-0.04
Spiked Amount 100.000			Recovery = 113.95%			
93) Terphenyl-d14	10.060	244	276361	54.16	ng	-0.04
Spiked Amount 50.000			Recovery = 108.32%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130902.D\data.ms
Quant QT Reviewed
SampleID : SMB119813
Data File: 9M130902.D
Acq On : 12/ 5/24 17:27
Operator : AH/JB
Sam Mult : 1 Vial# : 21
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/05/24 17:49
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB119814
Client Id:
Data File: 9M130936.D
Analysis Date: 12/06/24 09:17
Date Rec/Extracted: NA-12/05/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.033	U	50-32-8	Benzo[a]pyrene	0.033	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.033	U	205-99-2	Benzo[b]fluoranthene	0.033	U
123-91-1	1,4-Dioxane	0.033	U	191-24-2	Benzo[g,h,i]perylene	0.033	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.033	U	207-08-9	Benzo[k]fluoranthene	0.033	U
95-95-4	2,4,5-Trichlorophenol	0.033	U	111-91-1	bis(2-Chloroethoxy)methan	0.033	U
88-06-2	2,4,6-Trichlorophenol	0.033	U	111-44-4	bis(2-Chloroethyl)ether	0.013	U
120-83-2	2,4-Dichlorophenol	0.033	U	108-60-1	bis(2-chloroisopropyl)ether	0.033	U
105-67-9	2,4-Dimethylphenol	0.033	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.033	U
51-28-5	2,4-Dinitrophenol	0.17	U	85-68-7	Butylbenzylphthalate	0.033	U
121-14-2	2,4-Dinitrotoluene	0.033	U	105-60-2	Caprolactam	0.033	U
606-20-2	2,6-Dinitrotoluene	0.033	U	86-74-8	Carbazole	0.033	U
91-58-7	2-Chloronaphthalene	0.033	U	218-01-9	Chrysene	0.033	U
95-57-8	2-Chlorophenol	0.033	U	53-70-3	Dibenzo[a,h]anthracene	0.033	U
91-57-6	2-Methylnaphthalene	0.033	U	132-64-9	Dibenzofuran	0.033	U
95-48-7	2-Methylphenol	0.033	U	84-66-2	Diethylphthalate	0.033	U
88-74-4	2-Nitroaniline	0.033	U	131-11-3	Dimethylphthalate	0.033	U
88-75-5	2-Nitrophenol	0.033	U	**84-74-2**	**Di-n-butylphthalate**	**0.17**	**0.037 J**
106-44-5	3&4-Methylphenol	0.033	U	117-84-0	Di-n-octylphthalate	0.033	U
91-94-1	3,3'-Dichlorobenzidine	0.033	U	206-44-0	Fluoranthene	0.033	U
99-09-2	3-Nitroaniline	0.033	U	86-73-7	Fluorene	0.033	U
534-52-1	4,6-Dinitro-2-methylphenol	0.17	U	118-74-1	Hexachlorobenzene	0.033	U
101-55-3	4-Bromophenyl-phenylether	0.033	U	87-68-3	Hexachlorobutadiene	0.033	U
59-50-7	4-Chloro-3-methylphenol	0.033	U	77-47-4	Hexachlorocyclopentadiene	0.17	U
106-47-8	4-Chloroaniline	0.033	U	67-72-1	Hexachloroethane	0.033	U
7005-72-3	4-Chlorophenyl-phenylether	0.033	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.033	U
100-01-6	4-Nitroaniline	0.033	U	78-59-1	Isophorone	0.033	U
100-02-7	4-Nitrophenol	0.033	U	91-20-3	Naphthalene	0.033	U
83-32-9	Acenaphthene	0.033	U	98-95-3	Nitrobenzene	0.033	U
208-96-8	Acenaphthylene	0.033	U	621-64-7	N-Nitroso-di-n-propylamine	0.033	U
98-86-2	Acetophenone	0.033	U	86-30-6	n-Nitrosodiphenylamine	0.033	U
120-12-7	Anthracene	0.033	U	87-86-5	Pentachlorophenol	0.17	U
1912-24-9	Atrazine	0.033	U	85-01-8	Phenanthrene	0.033	U
100-52-7	Benzaldehyde	0.033	U	108-95-2	Phenol	0.033	U
56-55-3	Benzo[a]anthracene	0.033	U	129-00-0	Pyrene	0.033	U

Worksheet #: 764414

Total Target Concentration 0.037

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

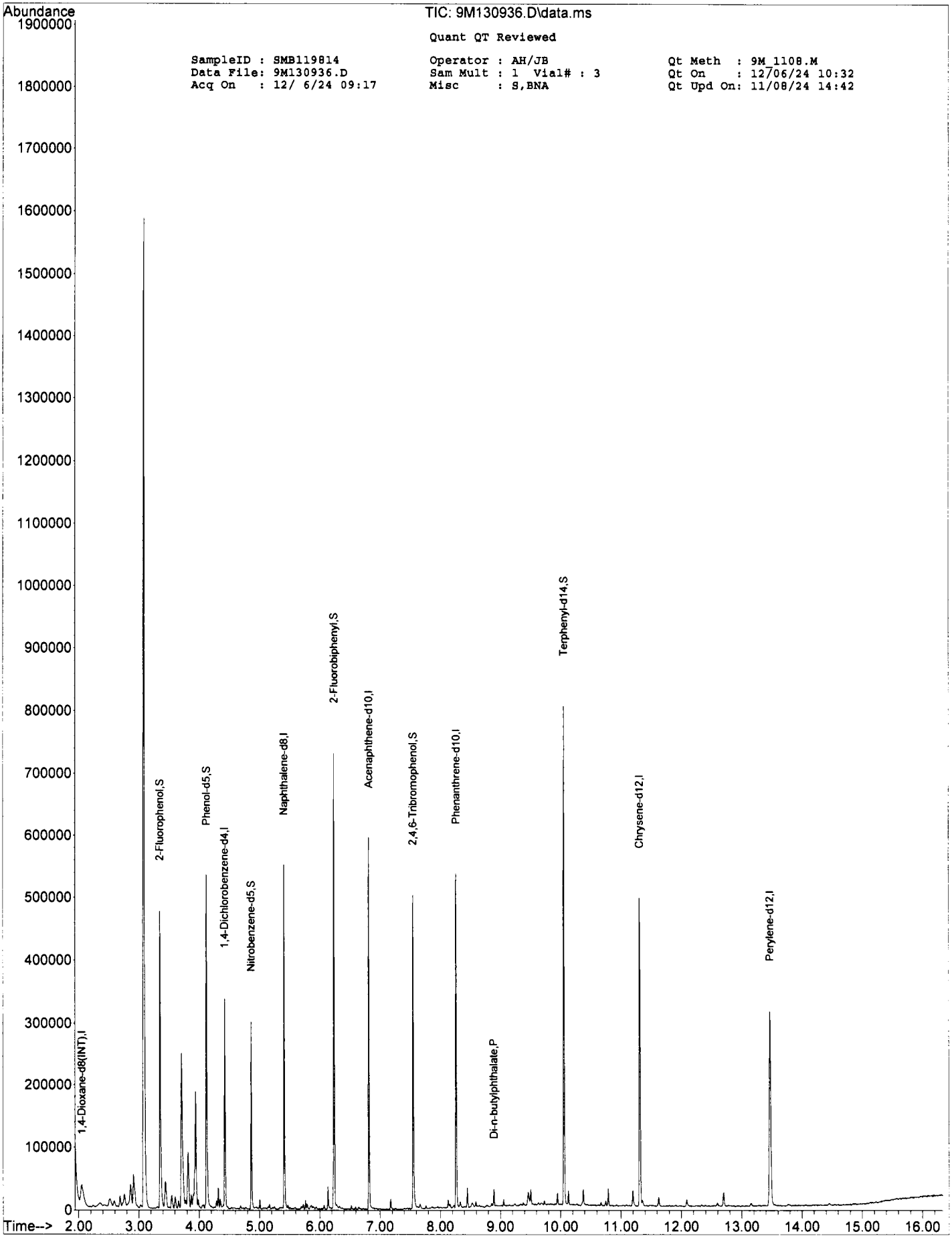
Quantitation Report (QT Reviewed)

SampleID : SMB119814 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130936.D Sam Mult : 1 Vial# : 3 Qt On : 12/06/24 10:32
Acq On : 12/ 6/24 09:17 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-06-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.055	96	33337	40.00	ng	-0.06
21) 1,4-Dichlorobenzene-d4	4.425	152	56946	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	212068	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	121104	40.00	ng	-0.04
76) Phenanthrene-d10	8.266	188	223255	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	203880	40.00	ng	-0.05
102) Perylene-d12	13.471	264	197960	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	164010	91.78	ng	-0.04
Spiked Amount 100.000			Recovery = 91.78%			
16) Phenol-d5	4.125	99	206096	87.81	ng	-0.03
Spiked Amount 100.000			Recovery = 87.81%			
32) Nitrobenzene-d5	4.866	128	43221	50.70	ng	-0.04
Spiked Amount 50.000			Recovery = 101.40%			
55) 2-Fluorobiphenyl	6.243	172	201424	53.18	ng	-0.04
Spiked Amount 50.000			Recovery = 106.36%			
79) 2,4,6-Tribromophenol	7.554	330	71410	126.31	ng	-0.04
Spiked Amount 100.000			Recovery = 126.31%			
93) Terphenyl-d14	10.060	244	256248	59.41	ng	-0.04
Spiked Amount 50.000			Recovery = 118.82%			
Target Compounds						Qvalue
88) Di-n-butylphthalate	8.895	149	13896m	2.2377	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130936.D\data.ms
Quant QT Reviewed
SampleID : SMB119814
Data File: 9M130936.D
Acq On : 12/ 6/24 09:17
Operator : AH/JB
Sam Mult : 1 Vial# : 3
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/06/24 10:32
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Di-n-butylphthalate,P
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB119832
Client Id:
Data File: 9M130993.D
Analysis Date: 12/08/24 12:47
Date Rec/Extracted: NA-12/07/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.033	U	50-32-8	Benzo[a]pyrene	0.033	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.033	U	205-99-2	Benzo[b]fluoranthene	0.033	U
123-91-1	1,4-Dioxane	0.033	U	191-24-2	Benzo[g,h,i]perylene	0.033	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.033	U	207-08-9	Benzo[k]fluoranthene	0.033	U
95-95-4	2,4,5-Trichlorophenol	0.033	U	111-91-1	bis(2-Chloroethoxy)methan	0.033	U
88-06-2	2,4,6-Trichlorophenol	0.033	U	111-44-4	bis(2-Chloroethyl)ether	0.013	U
120-83-2	2,4-Dichlorophenol	0.033	U	108-60-1	bis(2-chloroisopropyl)ether	0.033	U
105-67-9	2,4-Dimethylphenol	0.033	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.033	U
51-28-5	2,4-Dinitrophenol	0.17	U	85-68-7	Butylbenzylphthalate	0.033	U
121-14-2	2,4-Dinitrotoluene	0.033	U	105-60-2	Caprolactam	0.033	U
606-20-2	2,6-Dinitrotoluene	0.033	U	86-74-8	Carbazole	0.033	U
91-58-7	2-Chloronaphthalene	0.033	U	218-01-9	Chrysene	0.033	U
95-57-8	2-Chlorophenol	0.033	U	53-70-3	Dibenzo[a,h]anthracene	0.033	U
91-57-6	2-Methylnaphthalene	0.033	U	132-64-9	Dibenzofuran	0.033	U
95-48-7	2-Methylphenol	0.033	U	84-66-2	Diethylphthalate	0.033	U
88-74-4	2-Nitroaniline	0.033	U	131-11-3	Dimethylphthalate	0.033	U
88-75-5	2-Nitrophenol	0.033	U	84-74-2	Di-n-butylphthalate	0.17	U
106-44-5	3&4-Methylphenol	0.033	U	117-84-0	Di-n-octylphthalate	0.033	U
91-94-1	3,3'-Dichlorobenzidine	0.033	U	206-44-0	Fluoranthene	0.033	U
99-09-2	3-Nitroaniline	0.033	U	86-73-7	Fluorene	0.033	U
534-52-1	4,6-Dinitro-2-methylphenol	0.17	U	118-74-1	Hexachlorobenzene	0.033	U
101-55-3	4-Bromophenyl-phenylether	0.033	U	87-68-3	Hexachlorobutadiene	0.033	U
59-50-7	4-Chloro-3-methylphenol	0.033	U	77-47-4	Hexachlorocyclopentadiene	0.17	U
106-47-8	4-Chloroaniline	0.033	U	67-72-1	Hexachloroethane	0.033	U
7005-72-3	4-Chlorophenyl-phenylether	0.033	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.033	U
100-01-6	4-Nitroaniline	0.033	U	78-59-1	Isophorone	0.033	U
100-02-7	4-Nitrophenol	0.033	U	91-20-3	Naphthalene	0.033	U
83-32-9	Acenaphthene	0.033	U	98-95-3	Nitrobenzene	0.033	U
208-96-8	Acenaphthylene	0.033	U	621-64-7	N-Nitroso-di-n-propylamine	0.033	U
98-86-2	Acetophenone	0.033	U	86-30-6	n-Nitrosodiphenylamine	0.033	U
120-12-7	Anthracene	0.033	U	87-86-5	Pentachlorophenol	0.17	U
1912-24-9	Atrazine	0.033	U	85-01-8	Phenanthrene	0.033	U
100-52-7	Benzaldehyde	0.033	U	108-95-2	Phenol	0.033	U
56-55-3	Benzo[a]anthracene	0.033	U	129-00-0	Pyrene	0.033	U

Worksheet #: 764458

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

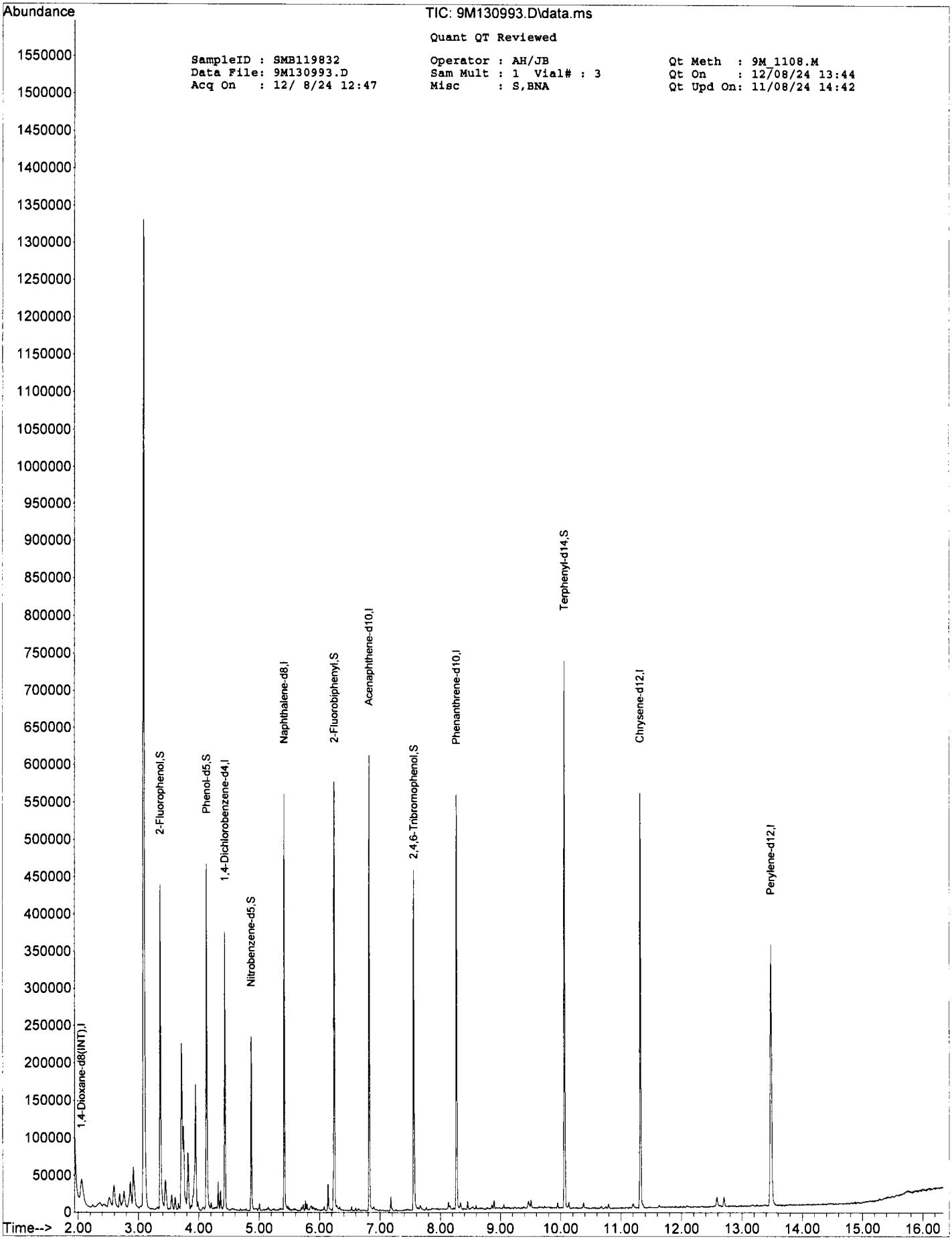
Quantitation Report (QT Reviewed)

SampleID : SMB119832 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M130993.D Sam Mult : 1 Vial# : 3 Qt On : 12/08/24 13:44
Acq On : 12/ 8/24 12:47 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-08-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.054	96	35097	40.00	ng	-0.06
21) 1,4-Dichlorobenzene-d4	4.431	152	60573	40.00	ng	-0.04
31) Naphthalene-d8	5.419	136	229323	40.00	ng	-0.03
50) Acenaphthene-d10	6.825	164	129669	40.00	ng	-0.04
76) Phenanthrene-d10	8.266	188	236187	40.00	ng	-0.04
90) Chrysene-d12	11.318	240	224514	40.00	ng	-0.04
102) Perylene-d12	13.483	264	212461	40.00	ng	-0.05
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	152851	81.25	ng	-0.03
Spiked Amount 100.000			Recovery = 81.25%			
16) Phenol-d5	4.131	99	193818	78.44	ng	-0.02
Spiked Amount 100.000			Recovery = 78.44%			
32) Nitrobenzene-d5	4.872	128	40503	43.94	ng	-0.03
Spiked Amount 50.000			Recovery = 87.88%			
55) 2-Fluorobiphenyl	6.248	172	185435	45.73	ng	-0.03
Spiked Amount 50.000			Recovery = 91.46%			
79) 2,4,6-Tribromophenol	7.560	330	67378	112.65	ng	-0.03
Spiked Amount 100.000			Recovery = 112.65%			
93) Terphenyl-d14	10.066	244	248176	52.25	ng	-0.04
Spiked Amount 50.000			Recovery = 104.50%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M130993.D\data.ms
Quant QT Reviewed
SampleID : SMB119832
Data File: 9M130993.D
Acq On : 12/ 8/24 12:47
Operator : AH/JB
Sam Mult : 1 Vial# : 3
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/08/24 13:44
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS PCB REPORT

Sample Number: SMB119817
Client Id:
Data File: 2G198106.D
Analysis Date: 12/06/24 12:24
Date Rec/Extracted: NA-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.025	U	11097-69-1	Aroclor-1254	0.025	U
11104-28-2	Aroclor-1221	0.025	U	11096-82-5	Aroclor-1260	0.025	U
11141-16-5	Aroclor-1232	0.025	U	37324-23-5	Aroclor-1262	0.025	U
53469-21-9	Aroclor-1242	0.025	U	11100-14-4	Aroclor-1268	0.025	U
12672-29-6	Aroclor-1248	0.025	U				

Worksheet #: 764335

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-06-24\
Data File : 2G198106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 12:24
Operator : AH/PR/KM
Sample : SMB119817
Misc : S,PCB
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 12:37:12 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

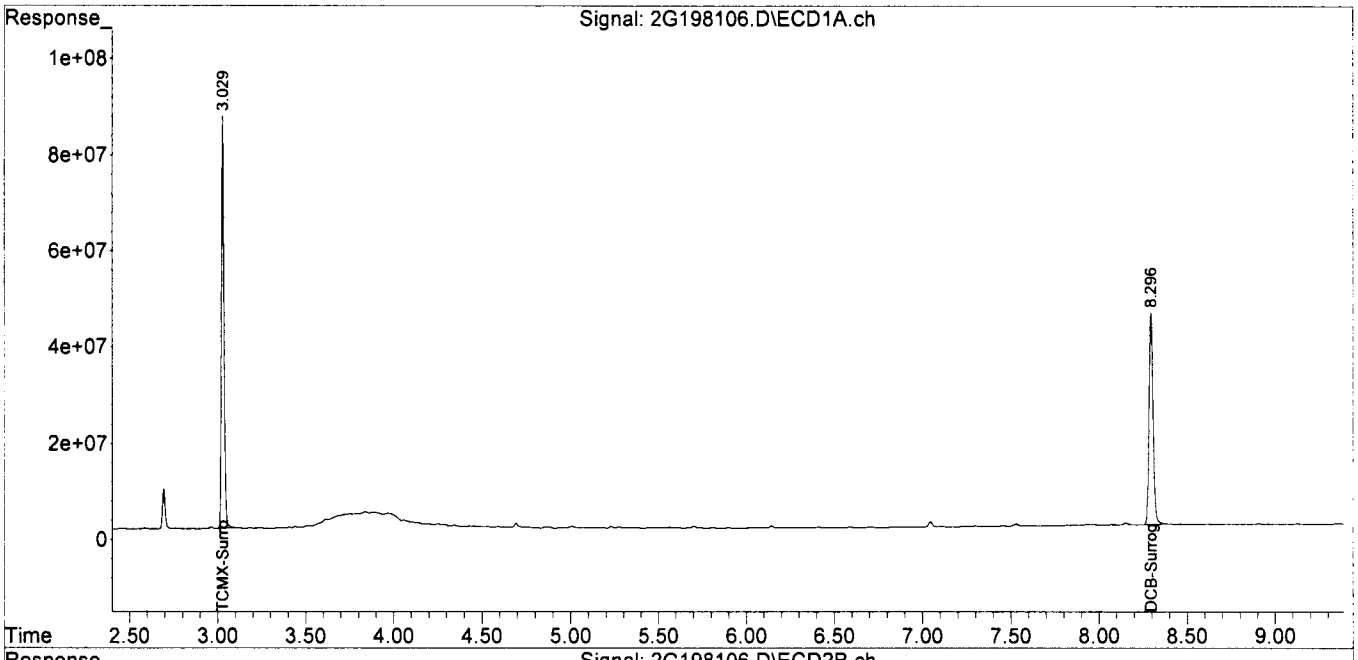
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.029	3.236	881.0E6	1241.2E6	97.246	94.530
45)	DCB-Surrogate	8.296	9.114	703.5E6	941.0E6	97.684	96.504

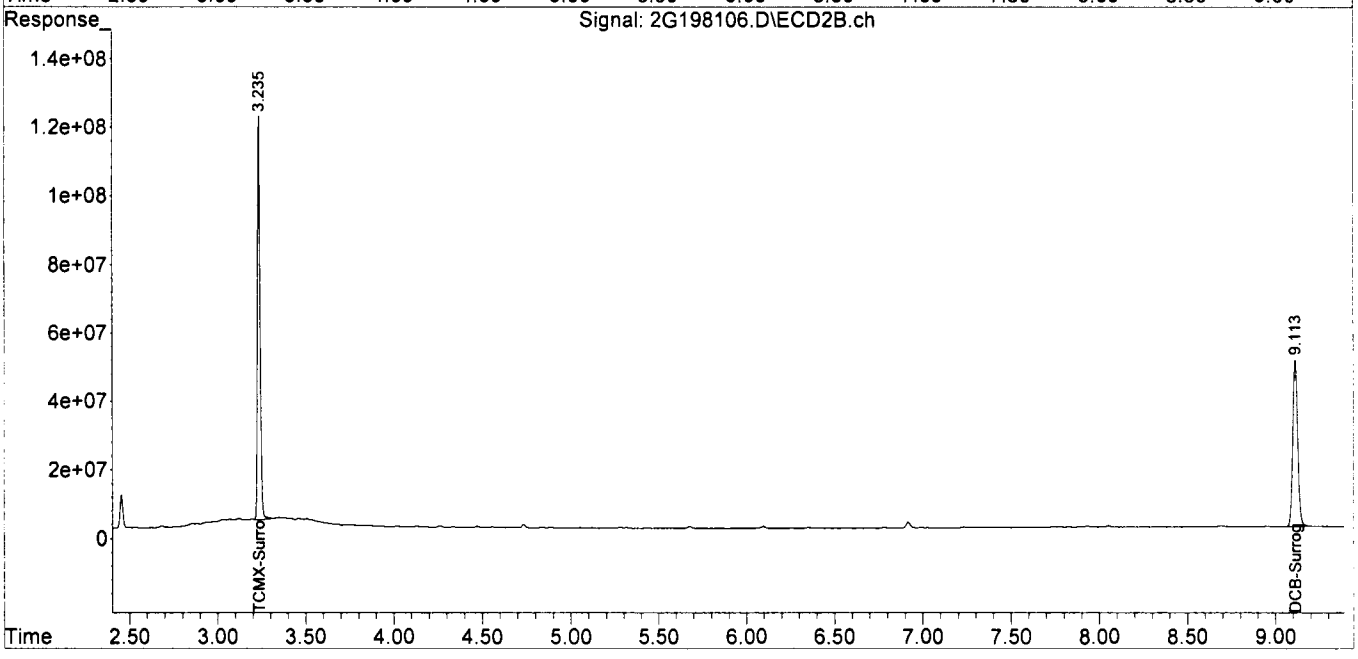
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-06-24\
Data File : 2G198106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 12:24
Operator : AH/PR/KM
Sample : SMB119817
Misc : S,PCB
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 12:37:12 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: SMB119819
Client Id:
Data File: 2G198108.D
Analysis Date: 12/06/24 12:52
Date Rec/Extracted: NA-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.025	U	11097-69-1	Aroclor-1254	0.025	U
11104-28-2	Aroclor-1221	0.025	U	11096-82-5	Aroclor-1260	0.025	U
11141-16-5	Aroclor-1232	0.025	U	37324-23-5	Aroclor-1262	0.025	U
53469-21-9	Aroclor-1242	0.025	U	11100-14-4	Aroclor-1268	0.025	U
12672-29-6	Aroclor-1248	0.025	U				

Worksheet #: 764335

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-06-24\
Data File : 2G198108.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 12:52
Operator : AH/PR/KM
Sample : SMB119819
Misc : S,PCB
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:13:59 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

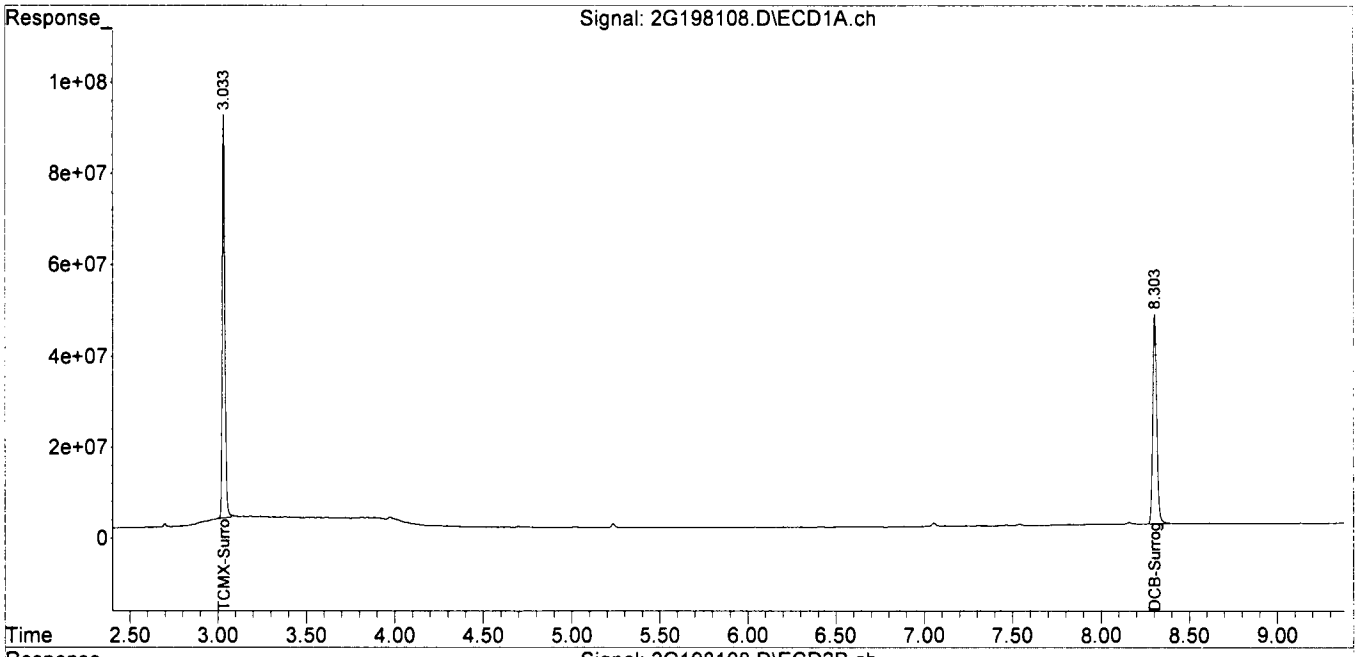
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.033	3.236	906.1E6	1261.9E6	100.010m	96.106
45)	DCB-Surrogate	8.304	9.117	727.7E6	971.6E6	101.042	99.645

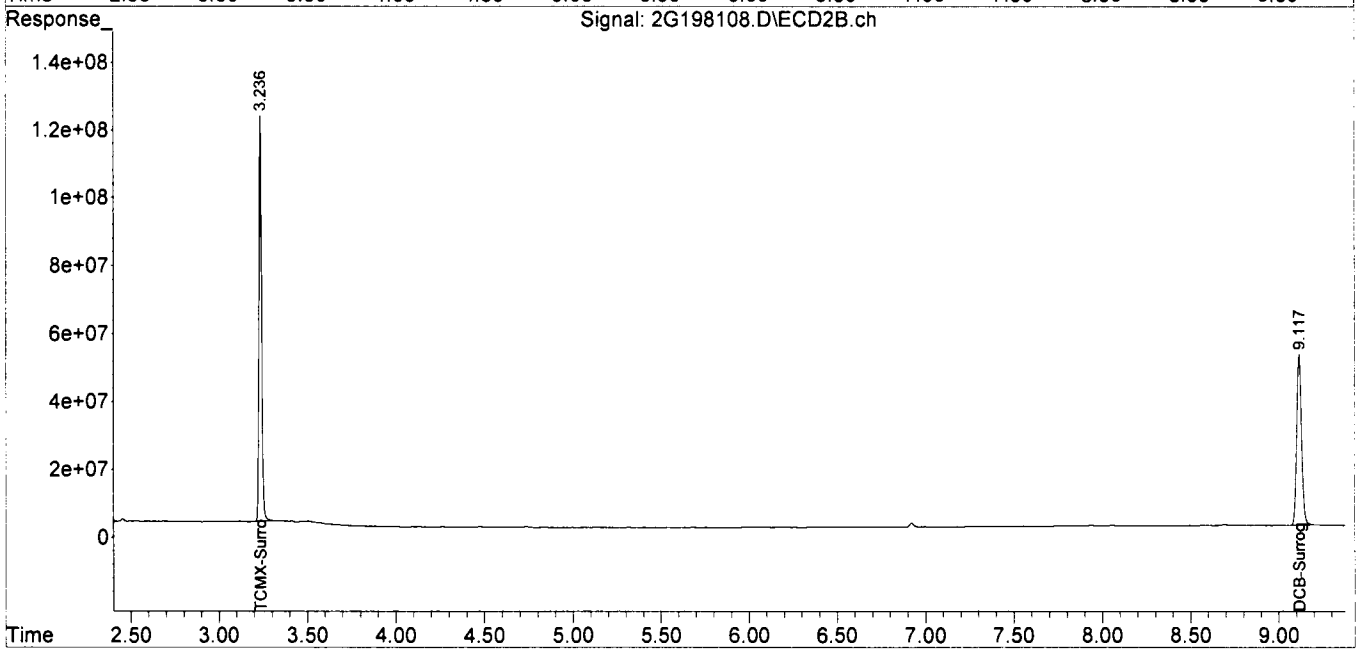
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-06-24\
Data File : 2G198108.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Dec 2024 12:52
Operator : AH/PR/KM
Sample : SMB119819
Misc : S,PCB
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 06 14:13:59 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: SMB119818
Client Id:
Data File: 3G162395.D
Analysis Date: 12/09/24 13:20
Date Rec/Extracted: NA-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0050	U	53494-70-5	Endrin Ketone	0.0050	U
309-00-2	Aldrin	0.0050	U	58-89-9	gamma-BHC	0.0010	U
319-84-6	alpha-BHC	0.0010	U	76-44-8	Heptachlor	0.0050	U
319-85-7	beta-BHC	0.0010	U	1024-57-3	Heptachlor Epoxide	0.0050	U
319-86-8	delta-BHC	0.0050	U	72-43-5	Methoxychlor	0.0050	U
60-57-1	Dieldrin	0.0010	U	72-54-8	p,p'-DDD	0.0025	U
959-98-8	Endosulfan I	0.0050	U	72-55-9	p,p'-DDE	0.0025	U
33213-65-9	Endosulfan II	0.0050	U	50-29-3	p,p'-DDT	0.0025	U
1031-07-8	Endosulfan Sulfate	0.0050	U	8001-35-2	Toxaphene	0.025	U
72-20-8	Endrin	0.0050	U	5103-74-2	y-chlordane	0.0050	U
7421-93-4	Endrin Aldehyde	0.0050	U				

Worksheet #: 764635

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_3\Data\12-09-24\
Data File : 3G162395.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Dec 2024 13:20
Operator : AH//PR/KM
Sample : SMB119818
Misc : S,PEST
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 13:54:45 2024
Quant Method : G:\GCDATA\2024\GC_3\MethodQt\3_PEST1120.M
Quant Title : @GC_3,ug,608,8081
QLast Update : Thu Nov 21 10:25:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

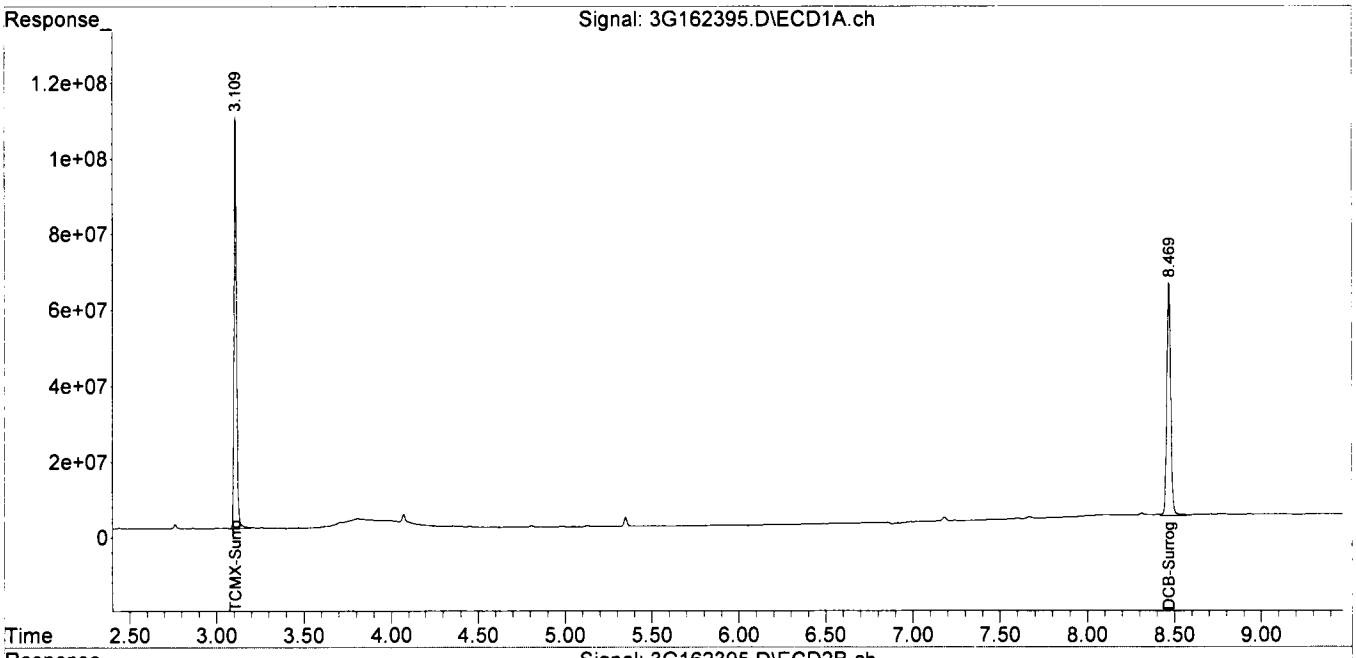
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.109	3.242	1117.5E6	849.2E6	95.930	96.107m
22)	DCB-Surrogate	8.469	9.153	969.2E6	718.7E6	95.146m	104.022

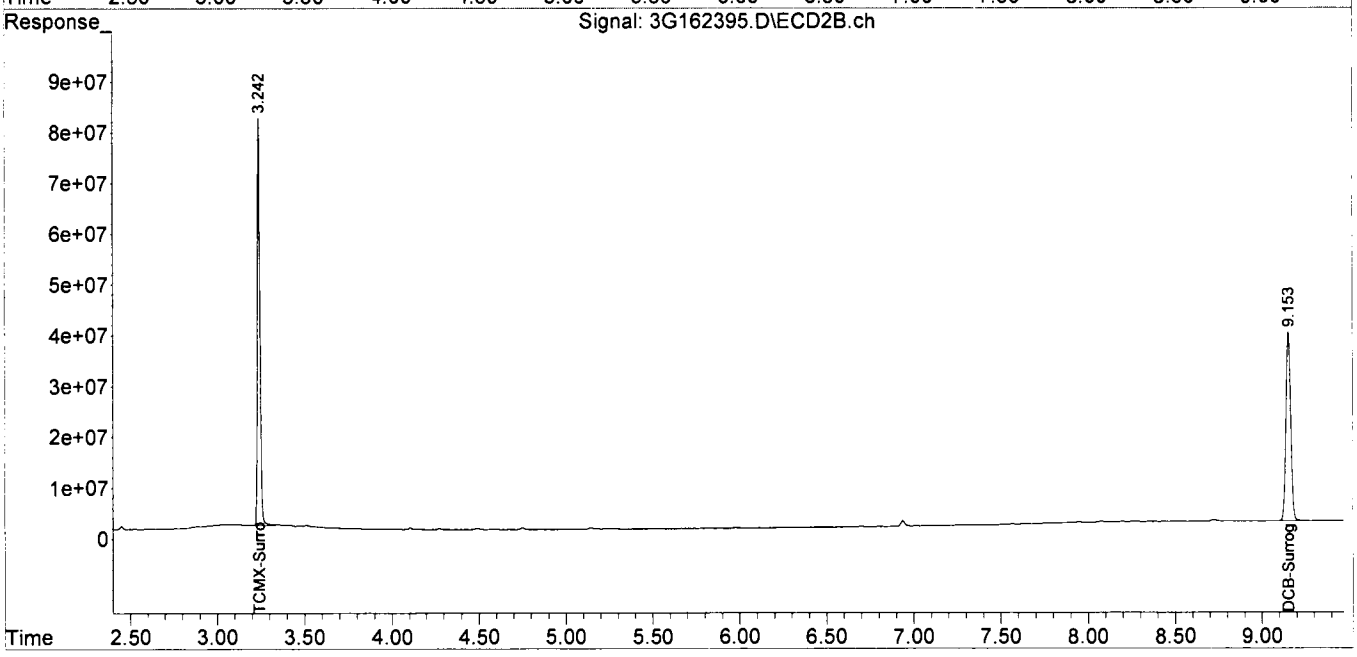
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_3\Data\12-09-24\
Data File : 3G162395.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Dec 2024 13:20
Operator : AH//PR/KM
Sample : SMB119818
Misc : S,PEST
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 13:54:45 2024
Quant Method : G:\GCDATA\2024\GC_3\MethodQt\3_PEST1120.M
Quant Title : @GC_3,ug,608,8081
QLast Update : Thu Nov 21 10:25:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: SMB119816
Client Id:
Data File: 6G193956.D
Analysis Date: 12/09/24 11:35
Date Rec/Extracted: NA-12/05/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0050	U	53494-70-5	Endrin Ketone	0.0050	U
309-00-2	Aldrin	0.0050	U	58-89-9	gamma-BHC	0.0010	U
319-84-6	alpha-BHC	0.0010	U	76-44-8	Heptachlor	0.0050	U
319-85-7	beta-BHC	0.0010	U	1024-57-3	Heptachlor Epoxide	0.0050	U
319-86-8	delta-BHC	0.0050	U	72-43-5	Methoxychlor	0.0050	U
60-57-1	Dieldrin	0.0010	U	72-54-8	p,p'-DDD	0.0025	U
959-98-8	Endosulfan I	0.0050	U	72-55-9	p,p'-DDE	0.0025	U
33213-65-9	Endosulfan II	0.0050	U	50-29-3	p,p'-DDT	0.0025	U
1031-07-8	Endosulfan Sulfate	0.0050	U	8001-35-2	Toxaphene	0.025	U
72-20-8	Endrin	0.0050	U	5103-74-2	y-chlordane	0.0050	U
7421-93-4	Endrin Aldehyde	0.0050	U				

Worksheet #: 764635

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-09-24\
Data File : 6G193956.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Dec 2024 11:35
Operator : AH/PR/KM
Sample : SMB119816
Misc : S,PEST
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 13:10:39 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

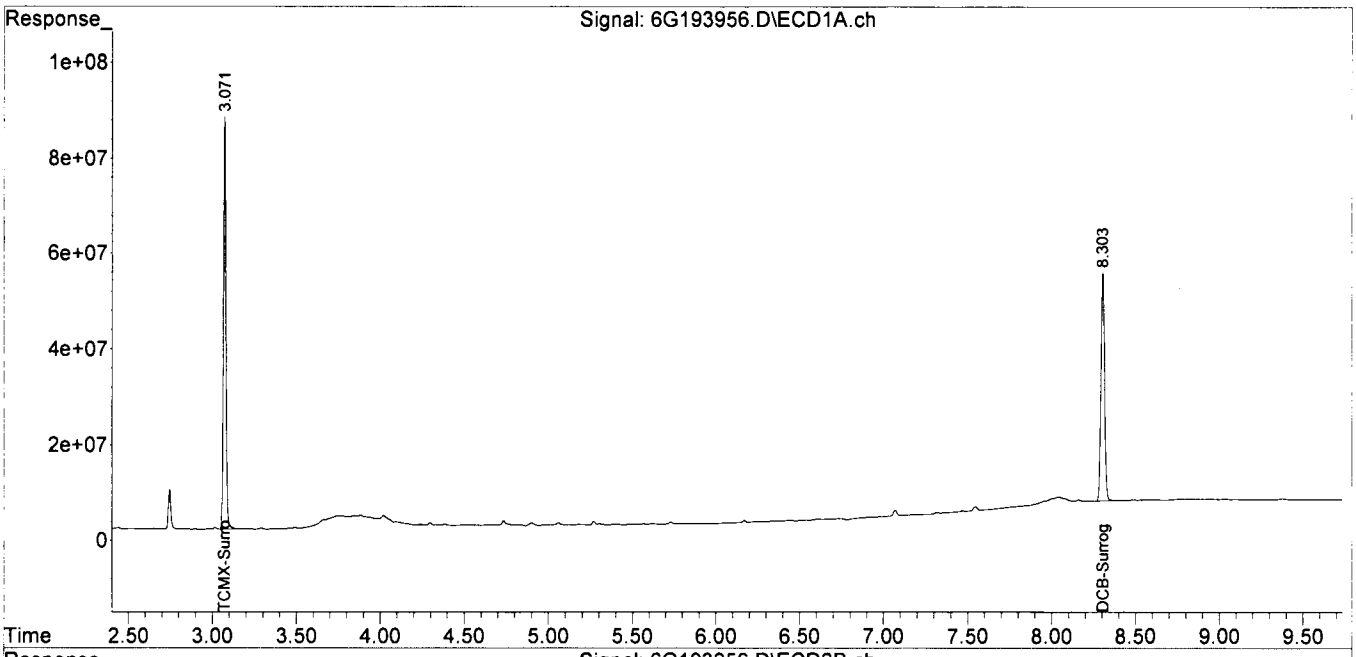
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.071	3.316	894.7E6	709.0E6	93.256	94.487m
22)	DCB-Surrogate	8.304	9.398	716.7E6	545.1E6	84.136	89.128

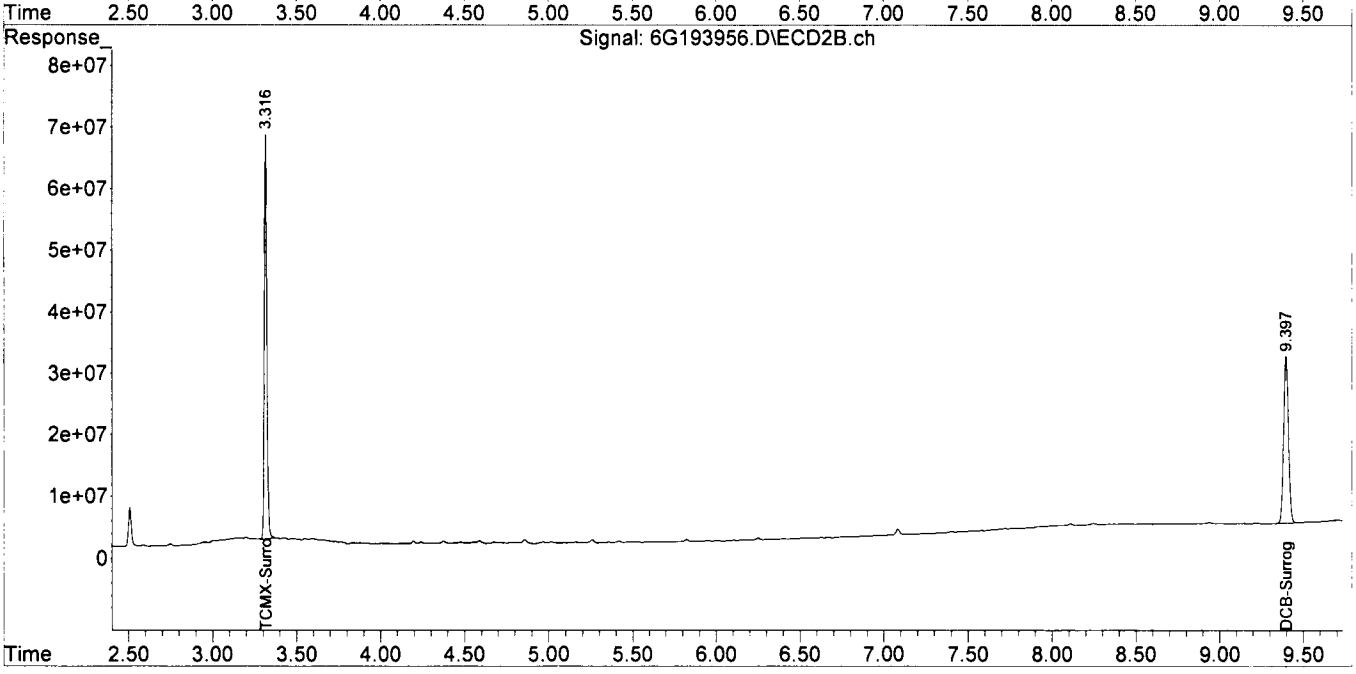
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-09-24\
Data File : 6G193956.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Dec 2024 11:35
Operator : AH/PR/KM
Sample : SMB119816
Misc : S,PEST
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 09 13:10:39 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PETROLEUM HYDROCARBON REPORT

Sample Number: SMB119769
Client Id:
Data File: 8G675825.D
Analysis Date: 12/03/24 10:32
Date Rec/Extracted: NA-12/02/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8015D
Matrix: Soil
Initial Vol: 5g
Final Vol: 1ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phchpd2	Diesel Range Organics	60	U				

Worksheet #: 764347

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_8\Data\12-03-24\
Data File : 8G675825.D
Signal(s) : FID1A.CH
Acq On : 03-Dec-24, 10:32:36
Operator : AH/ABM/KT/JR
Sample : SMB119769
Misc : S,TPH
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 03 11:09:22 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)mt	C8	0.000	0	N.D.		d
2)mte	C9	0.000	0	N.D.		d
3)mdte	C10	0.000	0	N.D.		d
4)mdte	C12	0.000	0	N.D.		d
5)mdte	C14	0.000	0	N.D.		d
6)dte	C16	0.000	0	N.D.		d
7)dte	C17	0.000	0	N.D.		d
8)dte	Pristane	0.000	0	N.D.		d
9)dte	C18	0.000	0	N.D.		d
10)dte	Phytane	0.000	0	N.D.		d
11)dte	C20	0.000	0	N.D.		d
12)dte	C22	0.000	0	N.D.		d
13)dte	C24	0.000	0	N.D.		d
14)dte	C26	0.000	0	N.D.		d
15)dte	C28	0.000	0	N.D.		d
16)te	C30	0.000	0	N.D.		d
17)te	C32	0.000	0	N.D.		d
18)te	C34	0.000	0	N.D.		d
19)te	C36	0.000	0	N.D.		d
20)t	C40	0.000	0	N.D.		d
21)	Chlorobenzene	2.260	7789	4.190		m
22)	O-Terphenyl	6.458	33491	10.934		
23)d	Diesel Range Organics(T	6.458f	219261	87.622		m
24)t	Total Petroleum Hydroca	6.458f	857220	344.860		m
25)e	Ext. Petroleum Hydrocar	0.000	0	N.D.		d
26)m	Mineral Spirits(TOTAL)	0.000	0	N.D.		d
27)m	Stoddard Solvent(TOTAL)	0.000	0	N.D.		d

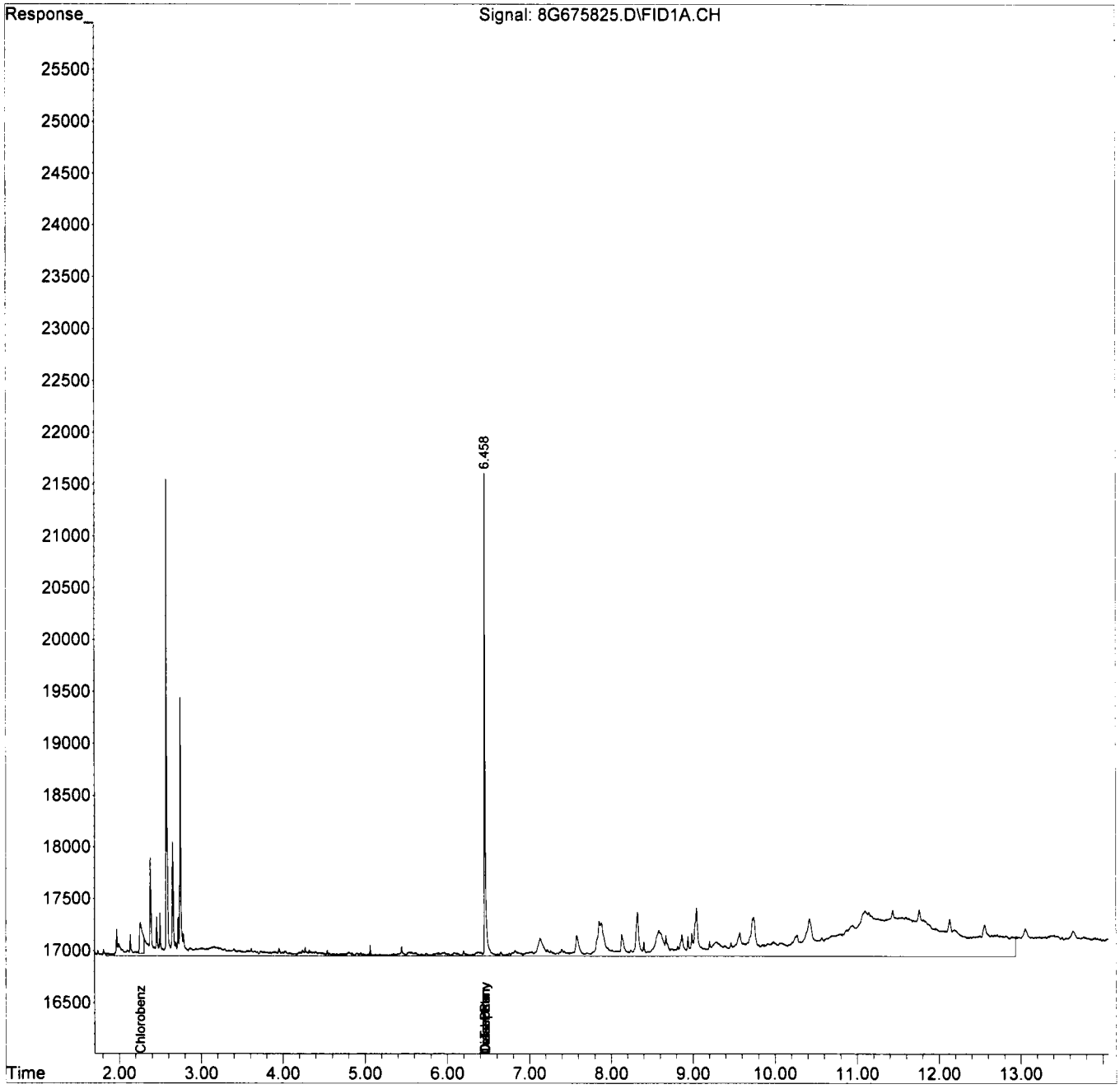
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_8\Data\12-03-24\
Data File : 8G675825.D
Signal(s) : FID1A.CH
Acq On : 03-Dec-24, 10:32:36
Operator : AH/ABM/KT/JR
Sample : SMB119769
Misc : S,TPH
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 03 11:09:22 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :



Form1

ORGANICS REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 13AM30936.D
Analysis Date: 12/05/24 14:23
Date Rec/Extracted: NA-12/05/24
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8015D
Matrix: Methanol
Initial Vol: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phcg	Gasoline Range Organics	25	U				

Worksheet #: 764235

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

Data Path : G:\GcMsData\2024\GC_13A\Data\12-05-24\
Data File : 13AM30936.D
Signal(s) : FID1A.ch
Acq On : 05 Dec 2024 14:23
Operator : WP/MD
Sample : DAILY BLANK
Misc : M,MEOH
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 05 14:39:25 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units
System Monitoring Compounds					
1)S	1,4-Dichlorobenzene-d4	9.402	593694	26.473	
Target Compounds					
2)	2-Methylpentane	0.000	0	N.D.	
3)	1,2,4-Trimethylbenzene	0.000	0	N.D.	
4)g	Gasoline Range Organics	0.000	0	N.D.	ug/L d

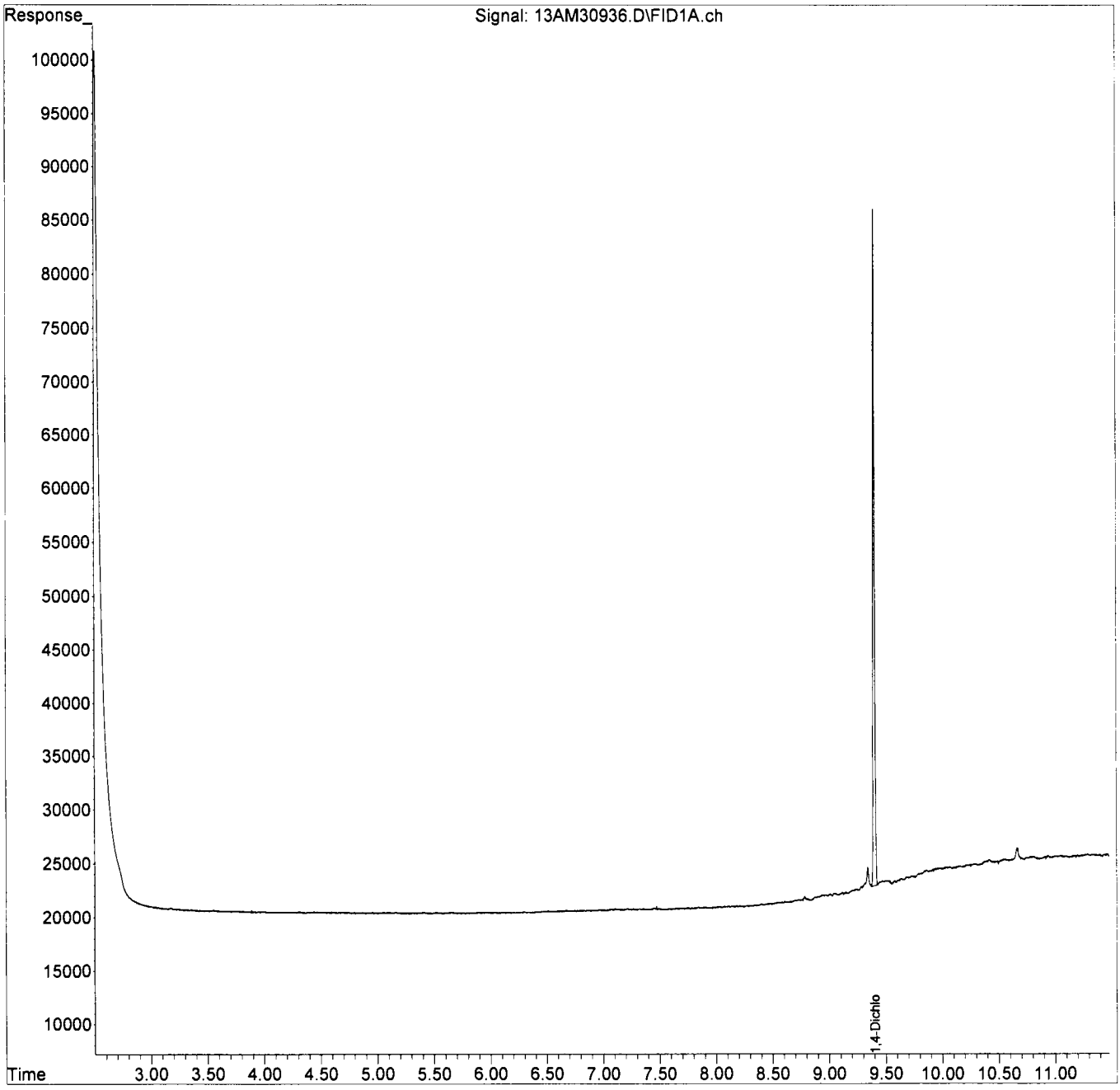
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\GcMsData\2024\GC_13A\Data\12-05-24\
Data File : 13AM30936.D
Signal(s) : FID1A.ch
Acq On : 05 Dec 2024 14:23
Operator : WP/MD
Sample : DAILY BLANK
Misc : M,MEOH
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 05 14:39:25 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/03/24
Data File: S120224DNEW
Prep Batch: 116680
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: MS3_7700SWA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4112730

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430526-10	CCB V-430526-18	CCB V-430526-30	CCB V-430526-42	CCB V-430526-49	MB 116680-19
Aluminum	50 U	100 U	100 U	100 U	100 U	10000U
Antimony	.75 U	1.5 U	1.5 U	1.5 U	1.5 U	150U
Arsenic	.5 U	1 U	1 U	1 U	1 U	100U
Barium	1.25 U	2.5 U	2.5 U	2.5 U	2.5 U	250U
Beryllium	.25 U	.5 U	.5 U	.5 U	.5 U	50U
Cadmium	.5 U	1 U	1 U	1 U	1 U	100U
Calcium	250 U	500 U	500 U	500 U	500 U	50000U
Chromium	.5 U	1 U	1 U	1 U	1 U	100U
Cobalt	.5 U	1 U	1 U	1 U	1 U	100U
Copper	2.5 U	5 U	5 U	5 U	5 U	500U
Iron	75 U	150 U	150 U	150 U	150 U	15000U
Lead	.75 U	1.5 U	1.5 U	1.5 U	1.5 U	150U
Magnesium	250 U	500 U	500 U	500 U	500 U	50000U
Manganese	2.5 U	5 U	5 U	5 U	5 U	500U
Nickel	2.5 U	5 U	5 U	5 U	5 U	500U
Potassium	250 U	500 U	500 U	500 U	500 U	50000U
Selenium	2.5 U	5 U	5 U	5 U	5 U	500U
Silver	.5 U	1 U	1 U	1 U	1 U	100U
Sodium	250 U	500 U	500 U	500 U	500 U	50000U
Thallium	.5 U	1 U	1 U	1 U	1 U	100U
Vanadium	.5 U	1 U	1 U	1 U	1 U	100U
Zinc	10 U	20 U	20 U	20 U	20 U	2000U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/03/24
Data File: S120324ANEW
Prep Batch: 116680
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: MS3_7700SWA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4112730

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430526-10	CCB V-430526-18	CCB V-430526-30	CCB V-430526-40
Chromium	.5U	1U	1U	1U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/03/24
Data File: H31572SB
Prep Batch: 116680
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: HGCV3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4112730

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430587-9	CCB V-430587-21	CCB V-430587-33	MB 116680 (167)-10
Mercury	.5 U	.5 U	.5 U	83 U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/03/24
Data File: H31572SC
Prep Batch: 116680
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: HGCV3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4112730

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430587-9	CCB V-430587-15
Mercury	.5U	.5U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/03/24
Data File: S120324CNEW
Prep Batch: 116681
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: MS3_7700SWA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4112730

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430526-10	CCB V-430526-18	CCB V-430526-30	CCB V-430526-42	CCB V-430526-54	CCB V-430526-58	MB 116681-19
Aluminum	50 U	100 U	100 U	100 U	100 U	100U	10000U
Antimony	.75 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5U	150U
Arsenic	.5 U	1 U	1 U	1 U	1 U	1U	100U
Barium	1.25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5U	250U
Beryllium	.25 U	.5 U	.5 U	.5 U	.5 U	.5U	50U
Cadmium	.5 U	1 U	1 U	1 U	1 U	1U	100U
Calcium	250 U	500 U	500 U	500 U	500 U	500U	50000U
Chromium	.5 U	1 U	1 U	1 U	1 U	1U	100U
Cobalt	.5 U	1 U	1 U	1 U	1 U	1U	100U
Copper	2.5 U	5 U	5 U	5 U	5 U	5U	500U
Iron	75 U	150 U	150 U	150 U	150 U	150U	15000U
Lead	.75 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5U	150U
Magnesium	250 U	500 U	500 U	500 U	500 U	500U	50000U
Manganese	2.5 U	5 U	5 U	5 U	5 U	5U	500U
Nickel	2.5 U	5 U	5 U	5 U	5 U	5U	500U
Potassium	250 U	500 U	500 U	500 U	500 U	500U	50000U
Selenium	2.5 U	5 U	5 U	5 U	5 U	5U	500U
Silver	.5 U	1 U	1 U	1 U	1 U	1U	100U
Sodium	250 U	500 U	500 U	500 U	500 U	500U	50000U
Thallium	.5 U	1 U	1 U	1 U	1 U	1U	100U
Vanadium	.5 U	1 U	1 U	1 U	1 U	1U	100U
Zinc	10 U	20 U	20 U	20 U	20 U	20U	2000U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/04/24
Data File: S120424CNEW
Prep Batch: 116681
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: MS3_7700SWA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4112730

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430526-10	CCB V-430526-18	CCB V-430526-30	CCB V-430526-42	CCB V-430526-45
Beryllium	.25 U	.5 U	.5 U	.5 U	.5 U
Lead	.75 U	1.5 U	1.5 U	1.5 U	1.5 U
Zinc	10 U	20 U	20 U	20 U	20 U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/05/24
Data File: H31573S
Prep Batch: 116681
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: HGCV3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4112730

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430694-9	CCB V-430694-21	CCB V-430694-33	MB 116681 (167)-10
Mercury	.5 U	.5 U	.5 U	83 U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/05/24
Data File: H31573SC
Prep Batch: 116681
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: HGCV3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4112730

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430694-9	CCB V-430694-21
Mercury	.5U	.5U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/03/24
Data File: T31574A3
Prep Batch: 116682
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4112730

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430630-6	CCB V-430630-16	CCB V-430630-23	MB 116682 (1)-10	EF V-428581-13	EF V-430321-14
Arsenic	.05 U	.1 U	.1 U	.05 U	.1 U	.1U
Barium	.125 U	.25 U	.25 U	.13 U	.25 U	.25U
Cadmium	.025 U	.05 U	.05 U	.025 U	.05 U	.05U
Chromium	.05 U	.1 U	.1 U	.05 U	.1 U	.1U
Copper	.05 U	.1 U	.1 U	.05 U	.1 U	.1U
Lead	.025 U	.05 U	.05 U	.025 U	.05 U	.05U
Nickel	.05 U	.1 U	.1 U	.05 U	.1 U	.1U
Selenium	.05 U	.1 U	.1 U	.05 U	.1 U	.1U
Silver	.025 U	.05 U	.05 U	.025 U	.05 U	.05U
Zinc	.05 U	.1 U	.1 U	.05 U	.1 U	.1U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/03/24
Data File: T31574B3
Prep Batch: 116682
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4112730

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430630-6	CCB V-430630-16	CCB V-430630-24	CCB V-430630-32
Arsenic	.05 U	.1 U	.1 U	.1 U
Barium	.125 U	.25 U	.25 U	.25 U
Beryllium	.01 U	.02 U	.02 U	.02 U
Cadmium	.025 U	.05 U	.05 U	.05 U
Chromium	.05 U	.1 U	.1 U	.1 U
Copper	.05 U	.1 U	.1 U	.1 U
Lead	.025 U	.05 U	.05 U	.05 U
Nickel	.05 U	.1 U	.1 U	.1 U
Selenium	.05 U	.1 U	.1 U	.1 U
Silver	.025 U	.05 U	.05 U	.05 U
Zinc	.05 U	.1 U	.1 U	.1 U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/03/24
Data File: H31574T
Prep Batch: 116682
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: HGCV3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4112730

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430639-9	CCB V-430639-21	CCB V-430639-33	CCB V-430639-40	MB 116682 (1)-10	EF V-430321-37	EF V-428581-38
Mercury	.5 U	.5 U	.5 U	.5 U	.5 U	.5U	.5U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

VERITECH Wet Chem Form1 Analysis Summary

Lab#: AD48435-007
Matrix Soil
Client SampleID: SB-01-COMP

Project Number: 4112730
Received Date: 11/27/2024
Collect Date: 11/25/2024

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Cyanide (Reactive)	CN-REACTIVE	1	ND	mg/Kg	0.50	12/02/24	12/02/24
Ignitability (POS/NEG)	IGNIT-1030	1	NEG			12/02/24	12/02/24
Burning Rate (mm/sec)	IGNIT-1030	**1**	**NA**			12/02/24	12/02/24
Flame Propagation (POS/NEG)	IGNIT-1030	1	NEG			12/02/24	12/02/24
Temperature	PH-SOIL	**1**	**20.4**	**C**			12/02/24
pH	PH-SOIL	**1**	**7.3**	**pH**			12/02/24
Sulfide (Reactive)	S-REACTIVE	1	ND	mg/kg	100	12/02/24	12/03/24

Analysis Type: PH-S

Batch Number: PH-S-2529

Units: pH

Calibration Curve Information

Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
DUP	AD48401-001	0	NA	20	8.21	NA	2.2	
LCS	LCS	4.4	80-120	NA	4.4	100	NA	

Analytical Method(s)

9045D

Sam #	Type	MB	Result	RL	Per Soi	Full Result	PH	TEMP	Prep Date	Prep By	Anal Date	Anal By
LCS	LCS		4.4		100	4.4	4.40	21.3			12/02/24	DC
AD48401-001	DUP		8.2		100	8.21	8.21	20.5			12/02/24	DC
AD48401-001	Sample		8.4		100	8.39	8.39	20.0			12/02/24	DC
AD48401-003	Sample		6.6		100	6.65	6.65	20.2			12/02/24	DC
AD48412-002	Sample		7.7		100	7.71	7.71	20.2			12/02/24	DC
AD48435-007	Sample		7.3		100	7.33	7.33	20.4			12/02/24	DC

Flag Codes: Ra - Recovery failed specified criteria (PVS/LCS/MS/MSD/ICV/CAL)
Na - Not Applicable
Rp - RPD failed specified criteria.
Nc - Not Checked ..either one or both values =ND

MS/MSD/DUP Recovery

Prep Batch: S-1946 Sample ID: AD48401-001
Method: SW846 7.3 Matrix: Soil

Qc Type: MS		Limits			MS	Sample			MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov		Dil	Conc	Conc	% Rec	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Cyanide (Reactive)	0.4	75-125		1	0.4357	0	109		20241202174	13	12/02/24 18:14	20241202174	15	12/02/24 18:18

Qc Type: MSD		Limits			MSD	Sample				MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov	Rpd	Dil	Conc	Conc	% Rec	Rpd	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Cyanide (Reactive)	0.4	75-125	20	1	0.425	0	106	2.5		20241202174	14	12/02/24 18:16	20241202174	15	12/02/24 18:18

LCS Recoveries

	BatchRunID/RunID:====>		202412021746-12							
	QcBatchID:====>		LCSS-1946							
	Date/Time:====>		12/02/24 18:11							
	Analytical Method:====>		SW846 7.3							
	Matrix:====>		Soil		Soil		Soil		Soil	
	SW846 7.3									
Analyte	**Amt Limits**	**Amt Limits**	% Rec	Flags	% Rec	Flags	% Rec	Flags	% Rec	Flags
Cyanide (Rea	0.4 75-125		95							

Calibration Summary:

Instrument: DA1
Analysis Meth: SW846 7.3

Analyte	Batch ID	Run#	Qc Type	Recov	Spk Amt	Limit
Cyanide (Reactive)	20241202174	9	ICV	108	0.4	90-110
Cyanide (Reactive)	20241202174	21	CCV	100	0.4	90-110
Cyanide (Reactive)	20241202174	26	CCV	99	0.4	90-110

Blank Summary

Instrument: DA1

Qc Type: Method Blank Summary Prep Date: 12/2/24

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
202412021746	12/2/24 18:09	MBS-1946	11	Cyanide (	ND	0.50

Qc Type: ICB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
202412021746	12/2/24 18:07	CCB	10	Cyanide (	ND	0.020

Qc Type: CCB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
202412021746	12/2/24 18:34	CCB	22	Cyanide (	ND	0.020
202412021746	12/2/24 18:43	CCB	27	Cyanide (	ND	0.020

Analysis Type: RS

Batch Number: RS-1946

Units: mg/kg

Calibration Curve Information

Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
CAL-01	CAL-01-12/03/24	16	90-110	NA	16.8315	105	NA	
LCS	LCS	400	80-120	NA	390.73125	98	NA	
MS	AD48401-001	400	80-120	NA	410.76875	103	NA	
MSD	AD48401-001	400	80-120	20	390.73125	98	5	

Analytical Method(s)

SW846 7.3

Sam #	Type	MB	Result	RL	Per Sol	Full Result	Titr Vol	Iod Vol	DF	Sam Wt (g)	Scrb Vol (ml)	Prep Date	Prep By	Anal Date	Anal By
CAL-01-12/03/24	CAL-01		17		100	16.831	5.8	10	1	250	250			12/03/24	JMP
MB-1-12/02/24	MB	MB-1-12/02/24	ND	100	100	10.019	9.9	10	1	10	250	12/02/24	PR	12/03/24	JMP
LCS	LCS	MB-1-12/02/24	390	100	100	390.73	6.1	10	1	10	250	12/02/24	PR	12/03/24	JMP
AD48401-001	MS	MB-1-12/02/24	410	100	85	410.77	5.9	10	1	10	250	12/02/24	PR	12/03/24	JMP
AD48401-001	MSD	MB-1-12/02/24	390	100	85	390.73	6.1	10	1	10	250	12/02/24	PR	12/03/24	JMP
AD48401-001	Sample	MB-1-12/02/24	ND	100	85	10.019	9.9	10	1	10	250	12/02/24	PR	12/03/24	JMP
AD48401-003	Sample	MB-1-12/02/24	ND	100	89	30.056	9.7	10	1	10	250	12/02/24	PR	12/03/24	JMP
AD48412-002	Sample	MB-1-12/02/24	ND	100	87	10.019	9.9	10	1	10	250	12/02/24	PR	12/03/24	JMP
AD48415-001	Sample	MB-1-12/02/24	ND	100	100	20.038	9.8	10	1	10	250	12/02/24	PR	12/03/24	JMP
AD48435-007	Sample	MB-1-12/02/24	ND	100	86	30.056	9.7	10	1	10	250	12/02/24	PR	12/03/24	JMP
AD48422-001	Sample	MB-1-12/02/24	ND	100	92	30.056	9.7	10	1	10	250	12/02/24	PR	12/03/24	JMP
AD48422-002	Sample	MB-1-12/02/24	ND	100	93	10.019	9.9	10	1	10	250	12/02/24	PR	12/03/24	JMP
AD48422-003	Sample	MB-1-12/02/24	ND	100	92	10.019	9.9	10	1	10	250	12/02/24	PR	12/03/24	JMP
AD48422-004	Sample	MB-1-12/02/24	ND	100	93	20.038	9.8	10	1	10	250	12/02/24	PR	12/03/24	JMP

Flag Codes: Ra - Recovery failed specified criteria (PVS/LCS/MS/MSD/ICV/CAL)
Na - Not Applicable
Rp - RPD failed specified criteria.
Nc - Not Checked ..either one or both values =ND

Miscellaneous Data

[redacted]

Hampton-Clarke, Inc.

LEACHATE PREPARATION LOG
(TCLP, SPLP)

Start Date: 12/2/2024 TIME: 1:27 PM Finish Date: 12/3/2024

**TCLP Ext. Fluid #1 pH: 4.95 (criteria: 4.93 ± 0.05)
**TCLP Ext. Fluid #2 pH: 2.84 (criteria: 2.88 ± 0.05)
**SPLP Ext. Fluid #3 pH: 4.18 (criteria: 4.20 ± 0.05)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Filter Time	Analyst (s)	Ext. Type*	Comments
47768-001	8.92	1.72	5.10	V-430321	50g/1L	4:03	8:43	9:30	DC	T	Balance ID: M
48381-002	5.35	1.59	4.85					10:25			pH Meter ID:
48390-001	8.35	1.63	5.02					↓			Pipette ID:
↓ -003	6.59	1.59	4.90					10:45			
48390-005	7.00	1.56	4.88		↓			↓			
48401-001	8.89	1.73	5.07		150g/3L			9:55			M/O
↓ -003	6.89	1.67	4.91	↓	↓			↓			M/O
48404-001	10.09	5.78	6.00	V-428581	50g/1L			10:50			M/O
↓ -002	8.47	1.86	6.68	V-430321	↓			↓			M
↓ -003	4.34	1.65	4.84		25g/0.5L			11:05			↓
48412-002	8.09	1.57	4.93		150g/3L			↓			M/O
48422-001	10.51	1.98	5.96		50g/1L			11:15			M
↓ -002	10.08	2.00	6.28		↓			↓			↓
↓ -003	9.59	1.73	5.56		↓			11:20			↓
↓ -004	10.14	4.82	6.38		↓			↓			↓
48435-007	7.91	1.66	4.90	↓	↓			11:30		↓	↓
47832-001	—	—	9.35	V-429712	↓			↓		P	↓
↓ -002	—	—	9.52	↓	↓			11:40		↓	↓
↓ -003	—	—	9.80	↓	↓			↓		↓	↓
48026-001	—	—	9.90	↓	↓			11:50		↓	↓
48239-002	—	—	10.14	↓	↓			↓		↓	↓
48389-001	8.13	4.21	6.50	V-430321	↓			11:55		T	M
EF1 V-430321	4.95	—	4.76	—	3L	↓	↓	9:20	↓	—	—
EF2 V-428581	2.84	—	3.15	—	1L	↓	↓	↓	↓	—	—

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

SPLP V-429712	4.18	—	10.12	—	1L	4:03	8:43	9:30	DC	—	—

0016

Leachate prep log 2017]

Hampton-Clarke
Analytical & Field Services

Last Page of Report

Hampton-Clarke
Analytical & Field Services

175 US Highway 46, STE D · Fairfield, NJ 07004-2327
2 Madison Road, Fairfield, NJ 07004-2327
800-426-9992 · 973-244-9770
FAX: 973-244-9787
WWW.HCVLAB.COM

Project: Queens Botanical Gardens

Client PO: Not Available

Report To: LIRO Engineers, Inc.
703 Lorimer Street
Brooklyn, NY 11211
Attn: Steve Frank/Amy Hewson

Received Date: 12/4/2024

Report Date: 12/31/2024

Deliverables: NYDOH-S

Lab ID: AD48506

Lab Project No: 4120509

Sean Berls - Quality Assurance Officer OR **Jean Revolus - Laboratory Director**

NJ (07071) NY (ELAP11408) CT (PH-0671)
PA (68-00463) KY (90124)

Sample Summary

Client: LIRO Engineers, Inc.

Project: Queens Botanical Gardens

HC Project #: 4120509

Lab#	SampleID	Matrix	Collection Date	Receipt Date
AD48506-001	SB-12-0-2.0'	Soil	12/2/2024	12/4/2024
AD48506-002	SB-17-0-2.0'	Soil	12/2/2024	12/4/2024
AD48506-003	SB-11-0-2.0'	Soil	12/2/2024	12/4/2024
AD48506-004	SB-10-0-2.0'	Soil	12/2/2024	12/4/2024
AD48506-005	SB-22-0-2.0'	Soil	12/2/2024	12/4/2024
AD48506-006	SB-02-7.5-8.0'	Soil	12/3/2024	12/4/2024
AD48506-007	SB-03-7.5-8.0'	Soil	12/3/2024	12/4/2024
AD48506-008	SB-04-7.5-8.0	Soil	12/3/2024	12/4/2024
AD48506-009	SB-06-7.5-8.0'	Soil	12/3/2024	12/4/2024
AD48506-010	SB-23-9.5-10.0'	Soil	12/3/2024	12/4/2024
AD48506-011	SB-25-9.5-10.0'	Soil	12/3/2024	12/4/2024
AD48506-012	SB-05-7.5-8.0'	Soil	12/3/2024	12/4/2024
AD48506-013	SB-15-7.5-8.0'	Soil	12/3/2024	12/4/2024
AD48506-014	SB-16-7.5-8.0'	Soil	12/4/2024	12/4/2024
AD48506-015	SB-24-9.5-10.0'	Soil	12/4/2024	12/4/2024
AD48506-016	SB-20-9.5-10.0'	Soil	12/4/2024	12/4/2024
AD48506-017	SB-20-COMP	Soil	12/4/2024	12/4/2024
AD48506-018	SB-19-9.5-10.0'	Soil	12/4/2024	12/4/2024
AD48506-019	SB-14-9.5-10.0'	Soil	12/4/2024	12/4/2024
AD48506-020	SB-08-9.5-10.0'	Soil	12/4/2024	12/4/2024

Laboratory Chronicle

Client: LIRO Engineers, Inc.

HC Project #: 4120509

Project: Queens Botanical Gardens

Lab#: AD48506-001 **Sample ID: SB-12-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/6/24 13:09	AH
Organochlorine Pesticides 8081	3510C/3541	12/09/24 19:20	marie	EPA 8081B	12/10/24 09:12	AH/PR/KM
PCB 8082	3510C/3541	12/09/24 19:20	marie	EPA 8082A	12/10/24 12:50	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/11/24 03:57	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 17:34	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/5/24 16:45	WP/MD/VJ/SG

Lab#: AD48506-002 **Sample ID: SB-17-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/6/24 13:22	AH
Organochlorine Pesticides 8081	3510C/3541	12/09/24 19:20	marie	EPA 8081B	12/10/24 09:24	AH/PR/KM
PCB 8082	3510C/3541	12/09/24 19:20	marie	EPA 8082A	12/10/24 13:02	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/10/24 22:32	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 18:25	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/5/24 17:07	WP/MD/VJ/SG

Lab#: AD48506-003 **Sample ID: SB-11-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/6/24 13:23	AH
Organochlorine Pesticides 8081	3510C/3541	12/09/24 19:20	marie	EPA 8081B	12/10/24 09:36	AH/PR/KM
PCB 8082	3510C/3541	12/09/24 19:20	marie	EPA 8082A	12/10/24 13:14	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/10/24 22:53	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 18:30	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/5/24 19:18	WP/MD/VJ/SG

Laboratory Chronicle

Client: LIRO Engineers, Inc.

HC Project #: 4120509

Project: Queens Botanical Gardens

Lab#: AD48506-004 **Sample ID: SB-10-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/6/24 13:24	AH
Organochlorine Pesticides 8081	3510C/3541	12/09/24 19:20	marie	EPA 8081B	12/10/24 09:48	AH/PR/KM
PCB 8082	3510C/3541	12/09/24 19:20	marie	EPA 8082A	12/10/24 12:53	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/10/24 23:15	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 18:35	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/5/24 19:40	WP/MD/VJ/SG

Lab#: AD48506-005 **Sample ID: SB-22-0-2.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/6/24 13:26	AH
Organochlorine Pesticides 8081	3510C/3541	12/09/24 19:20	marie	EPA 8081B	12/10/24 10:00	AH/PR/KM
PCB 8082	3510C/3541	12/09/24 19:20	marie	EPA 8082A	12/10/24 13:06	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/11/24 04:19	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 18:40	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/5/24 20:02	WP/MD/VJ/SG

Lab#: AD48506-006 **Sample ID: SB-02-7.5-8.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/6/24 13:27	AH
Organochlorine Pesticides 8081	3510C/3541	12/09/24 19:20	marie	EPA 8081B	12/10/24 10:12	AH/PR/KM
PCB 8082	3510C/3541	12/09/24 19:20	marie	EPA 8082A	12/10/24 13:19	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/11/24 03:36	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 18:44	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/5/24 20:23	WP/MD/VJ/SG

Laboratory Chronicle

Client: LIRO Engineers, Inc. **HC Project #:** 4120509

Project: Queens Botanical Gardens

Lab#: AD48506-007 **Sample ID: SB-03-7.5-8.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/6/24 13:29	AH
Organochlorine Pesticides 8081	3510C/3541	12/09/24 19:20	marie	EPA 8081B	12/10/24 10:24	AH/PR/KM
PCB 8082	3510C/3541	12/09/24 19:20	marie	EPA 8082A	12/10/24 13:32	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/10/24 23:36	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 18:49	PC
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/9/24 12:53	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/5/24 20:45	WP/MD/VJ/SG

Lab#: AD48506-008 **Sample ID: SB-04-7.5-8.0**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/6/24 13:30	AH
Organochlorine Pesticides 8081	3510C/3541	12/09/24 19:20	marie	EPA 8081B	12/10/24 10:37	AH/PR/KM
PCB 8082	3510C/3541	12/09/24 19:20	marie	EPA 8082A	12/10/24 13:44	PR/KM/AH
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/10/24 23:58	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 18:54	PC
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/9/24 12:58	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/5/24 21:07	WP/MD/VJ/SG

Lab#: AD48506-009 **Sample ID: SB-06-7.5-8.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/6/24 13:31	AH
Organochlorine Pesticides 8081	3510C/3541	12/09/24 19:20	marie	EPA 8081B	12/10/24 10:49	AH/PR/KM
PCB 8082	3510C/3541	12/09/24 19:20	marie	EPA 8082A	12/10/24 13:37	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/11/24 00:20	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/9/24 13:02	PC
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 18:59	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/5/24 21:29	WP/MD/VJ/SG

Laboratory Chronicle

Client: LIRO Engineers, Inc. **HC Project #:** 4120509

Project: Queens Botanical Gardens

Lab#: AD48506-010 **Sample ID: SB-23-9.5-10.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/6/24 13:33	AH
Organochlorine Pesticides 8081	3510C/3541	12/09/24 19:20	marie	EPA 8081B	12/10/24 11:01	AH/PR/KM
PCB 8082	3510C/3541	12/09/24 19:20	marie	EPA 8082A	12/10/24 13:49	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/11/24 00:41	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 19:19	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/5/24 21:51	WP/MD/VJ/SG

Lab#: AD48506-011 **Sample ID: SB-25-9.5-10.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/9/24 12:09	AH
Organochlorine Pesticides 8081	3510C/3541	12/09/24 19:20	marie	EPA 8081B	12/10/24 11:13	AH/PR/KM
PCB 8082	3510C/3541	12/09/24 19:20	marie	EPA 8082A	12/10/24 14:01	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/11/24 01:03	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 19:24	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/5/24 22:12	WP/MD/VJ/SG

Lab#: AD48506-012 **Sample ID: SB-05-7.5-8.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/9/24 12:11	AH
Organochlorine Pesticides 8081	3510C/3541	12/09/24 19:20	marie	EPA 8081B	12/10/24 11:25	AH/PR/KM
PCB 8082	3510C/3541	12/09/24 19:20	marie	EPA 8082A	12/10/24 14:13	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/11/24 01:25	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 19:28	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/5/24 22:34	WP/MD/VJ/SG

Laboratory Chronicle

Client: LIRO Engineers, Inc. **HC Project #:** 4120509

Project: Queens Botanical Gardens

Lab#: AD48506-013 **Sample ID: SB-15-7.5-8.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/9/24 12:12	AH
Organochlorine Pesticides 8081	3510C/3541	12/09/24 19:20	marie	EPA 8081B	12/10/24 11:37	AH/PR/KM
PCB 8082	3510C/3541	12/09/24 19:20	marie	EPA 8082A	12/10/24 14:24	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/11/24 03:14	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 19:33	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/6/24 01:50	WP/MD/VJ/SG

Lab#: AD48506-014 **Sample ID: SB-16-7.5-8.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/9/24 12:14	AH
Organochlorine Pesticides 8081	3510C/3541	12/09/24 19:20	marie	EPA 8081B	12/10/24 11:49	AH/PR/KM
PCB 8082	3510C/3541	12/09/24 19:20	marie	EPA 8082A	12/10/24 14:36	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/11/24 04:41	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 19:38	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/5/24 23:18	WP/MD/VJ/SG

Lab#: AD48506-015 **Sample ID: SB-24-9.5-10.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/9/24 12:16	AH
Organochlorine Pesticides 8081	3510C/3541	12/09/24 19:20	marie	EPA 8081B	12/10/24 12:01	AH/PR/KM
PCB 8082	3510C/3541	12/09/24 19:20	marie	EPA 8082A	12/10/24 14:48	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/11/24 01:47	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 19:43	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/5/24 23:40	WP/MD/VJ/SG

Laboratory Chronicle

Client: LIRO Engineers, Inc. **HC Project #:** 4120509

Project: Queens Botanical Gardens

Lab#: AD48506-016 **Sample ID: SB-20-9.5-10.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/9/24 12:19	AH
Organochlorine Pesticides 8081	3510C/3541	12/09/24 19:20	marie	EPA 8081B	12/10/24 12:14	AH/PR/KM
PCB 8082	3510C/3541	12/09/24 19:20	marie	EPA 8082A	12/10/24 15:00	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/11/24 02:08	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 19:48	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/6/24 00:01	WP/MD/VJ/SG

Lab#: AD48506-017 **Sample ID: SB-20-COMP**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Diesel Range Organics 8015D(C10-C28)	Mod. Shaker	12/09/24 11:04	lynda	EPA 8015D	12/9/24 20:34	AH/ABM/KT/JR
Gasoline range organics 8015D(C6-C10)	EPA5030/5035			EPA 8015D	12/5/24 15:30	WP/MD
Ignitability (EPA 1030)		12/09/24	Kwilson	EPA 1030	12/9/24 00:00	Kwilson
Mercury (TCLP) 7470A	EPA 7470A	12/09/24 11:00	Ahiga	EPA 7470A	12/10/24 13:25	AH
pH 9045D				9045D	12/6/24 11:10	PR
Reactive Cyanide	SW846 7.3	12/06/24	parana	SW846 7.3	12/6/24 18:30	PT
Reactive Sulfide	SW846 7.3	12/06/24	PR	SW846 7.3	12/6/24 00:00	PR
TCLP Metals 6010D	3005&10/3050	12/09/24 08:10	Ahiga	EPA 6010D	12/9/24 15:40	SB
TCLP Metals 6010D	3005&10/3050	12/09/24 08:10	Ahiga	EPA 6010D	12/9/24 13:30	SB
TCLP Metals 6010D	3005&10/3050	12/09/24 08:10	Ahiga	EPA 6010D	12/9/24 15:36	SB
TCLP Metals Extraction 1311	EPA 1311	12/05/24 13:17	dciufalo		12/6/24 09:45	dciufalo

Lab#: AD48506-018 **Sample ID: SB-19-9.5-10.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/9/24 12:21	AH
Organochlorine Pesticides 8081	3510C/3541	12/10/24 18:14	marie	EPA 8081B	12/11/24 11:18	AH/PR/KM
PCB 8082	3510C/3541	12/10/24 18:14	marie	EPA 8082A	12/11/24 12:45	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/11/24 05:03	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 19:53	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/6/24 00:23	WP/MD/VJ/SG

Laboratory Chronicle

Client: LIRO Engineers, Inc. **HC Project #:** 4120509

Project: Queens Botanical Gardens

Lab#: AD48506-019 **Sample ID: SB-14-9.5-10.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/9/24 12:22	AH
Organochlorine Pesticides 8081	3510C/3541	12/10/24 18:14	marie	EPA 8081B	12/11/24 11:30	AH/PR/KM
PCB 8082	3510C/3541	12/10/24 18:14	marie	EPA 8082A	12/11/24 12:57	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/11/24 02:30	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 19:57	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/6/24 00:45	WP/MD/VJ/SG

Lab#: AD48506-020 **Sample ID: SB-08-9.5-10.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/6/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/06/24 12:30	jleary	EPA 7471B	12/9/24 12:23	AH
Organochlorine Pesticides 8081	3510C/3541	12/10/24 18:14	marie	EPA 8081B	12/11/24 11:54	AH/PR/KM
PCB 8082	3510C/3541	12/10/24 18:14	marie	EPA 8082A	12/11/24 13:08	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/10/24 10:24	Lynda	EPA 8270E	12/11/24 02:52	AH/JB
TAL Metals 6020B	3005&10/3050	12/06/24 12:30	jleary	EPA 6020B	12/6/24 20:18	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/6/24 01:07	WP/MD/VJ/SG

HC Case Narrative

Client: LIRO Engineers, Inc. **HC Project:** 4120509
Project: Queens Botanical Gardens

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

The VO soil samples were not collected as encores. Any reported sample concentrations below 200 ug/kg may be biased low due to the samples not being collected according to 5035A low-level specifications.

Methylene chloride was recovered in samples AD48506-003, -005, -013, -014, -018 due to possible laboratory contamination.

The MSD RPD, Matrix Spike Duplicate for batch 120188 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

The Method Blank Spike for batch 119848 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries. Please refer to Form 4 to see which samples are associated with the Method Blank Spike.

The Matrix Spike for batch 119848 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

PCB Analysis:

Data conforms to method requirements.

Pesticide Analysis:

Data conforms to method requirements.

Diesel Range Organics Analysis:

Data conforms to method requirements.

Gasoline Range Organics Analysis:

Data conforms to method requirements.

Metals Analysis:

The Post Spike, Matrix Spike and/or Matrix Spike Duplicate for batch 116692 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The RPD between the QC sample and the Method Replicate had recoveries outside QC limits in batch 116692. Please refer to the applicable Form 6/9 for the recoveries.

Samples AD48506-007, -008 were reported at a dilution for Mn due to concentration over linear range.

Sample AD48506-009 was reported at a dilution for Cu, Zn due to concentration over linear range.

Sample AD48506-016 was reported at a dilution for Hg due to concentration over calibration range.

TCLP Metals Analysis:

The Post Spike, Matrix Spike and/or Matrix Spike Duplicate for batch 116694 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The serial dilution for batch 116694 is outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Sample AD48506-017 was reported at a dilution for Pb due to Fe over linear range.

Wet Chemistry Analysis:

Sample AD48506-017 was analyzed for Reactivity using SW-846 7.3. SW-846 7.3 is not a NELAP accredited parameter.

Sean Berls Quality Assurance Officer	Or	Jean Revolus Laboratory Director	12/31/24 Date

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120188

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M189585.D	AD48506-001(MSD)	12/5/2024 6:13:00 PM
Non Spike(If applicable):	6M189581.D	AD48506-001	12/5/2024 4:45:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	34.7225	0	50	69	10	168
Dichlorodifluoromethane	1	21.3805	0	50	43	10	150
Chloromethane	1	17.0304	0	50	34	12	150
Bromomethane	1	18.8223	0	50	38	23	136
Vinyl Chloride	1	20.763	0	50	42	21	153
Chloroethane	1	23.573	0	50	47	33	147
Trichlorofluoromethane	1	27.2427	0	50	54	29	156
Ethyl ether	1	32.3274	0	50	65	10	141
Furan	1	30.1477	0	50	60	22	152
1,1,2-Trichloro-1,2,2-trifluoroethane	1	36.1575	0	50	72	32	149
Methylene Chloride	1	59.2321	41.9582	50	35	35	147
Acrolein	1	20.3058	0	200	10	10	149
Acrylonitrile	1	26.3101	0	50	53	20	130
Iodomethane	1	25.8449	0	50	52	10	152
Acetone	1	140.4465	0	200	70	22	222
Carbon Disulfide	1	32.514	0	50	65	18	135
t-Butyl Alcohol	1	180.5632	0	200	90	38	178
n-Hexane	1	26.3028	0	50	53	11	154
Di-isopropyl-ether	1	29.8017	0	50	60	38	150
1,1-Dichloroethene	1	35.9419	0	50	72	31	165
Methyl Acetate	1	39.5809	0	50	79	10	237
Methyl-t-butyl ether	1	36.4403	0	50	73	40	151
1,1-Dichloroethane	1	35.4924	0	50	71	41	149
trans-1,2-Dichloroethene	1	27.8284	0	50	56	33	150
Ethyl-t-butyl ether	1	34.5201	0	50	69	22	184
cis-1,2-Dichloroethene	1	29.85	0	50	60	33	146
Bromochloromethane	1	29.0655	0	50	58	38	143
2,2-Dichloropropane	1	42.342	0	50	85	38	161
Ethyl acetate	1	7.5613	0	50	15	10	130
1,4-Dioxane	1	1856.165	0	2500	74	35	151
1,1-Dichloropropene	1	33.9972	0	50	68	34	149
Chloroform	1	34.9153	0	50	70	41	145
Cyclohexane	1	30.0404	0	50	60	25	148
1,2-Dichloroethane	1	36.5157	0	50	73	37	143
2-Butanone	1	31.227	0	50	62	21	163
1,1,1-Trichloroethane	1	39.0214	0	50	78	38	149
Carbon Tetrachloride	1	37.4193	0	50	75	33	150
Vinyl Acetate	1	13.7447	0	50	27	10	112
Bromodichloromethane	1	32.9162	0	50	66	36	146
Methylcyclohexane	1	26.7617	0	50	54	15	147
Dibromomethane	1	24.3228	0	50	49	32	144
1,2-Dichloropropane	1	31.5997	0	50	63	40	144
Trichloroethene	1	25.3441	0	50	51	24	161
Benzene	1	31.7007	0	50	63	38	146
tert-Amyl methyl ether	1	37.871	0	50	76	10	240
Iso-propylacetate	1	11.307	0	50	23	10	139
Methyl methacrylate	1	29.9134	0	50	60	10	224
Dibromochloromethane	1	26.2273	0	50	52	32	140
2-Chloroethylvinylether	1	31.2898	0	50	63	10	266
cis-1,3-Dichloropropene	1	27.0326	0	50	54	27	139
trans-1,3-Dichloropropene	1	25.9792	0	50	52	22	141
Ethyl methacrylate	1	8.6486	0	50	17	16	151
1,1,2-Trichloroethane	1	28.1012	0	50	56	32	138
1,2-Dibromoethane	1	23.7812	0	50	48	30	135
1,3-Dichloropropane	1	29.3884	0	50	59	36	136
4-Methyl-2-Pentanone	1	27.9273	0	50	56	23	137
2-Hexanone	1	21.1893	0	50	42	10	149
Tetrachloroethene	1	24.599	0	50	49	24	140
Toluene	1	26.8348	0	50	54	31	139
1,1,1,2-Tetrachloroethane	1	25.4446	0	50	51	31	134
Chlorobenzene	1	21.1422	0	50	42	24	134

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120188

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	6.6984	0	50	13	10	140
n-Amyl acetate	1	4.6147	0	50	9.2*	10	138
Bromoform	1	24.3981	0	50	49	21	137
Ethylbenzene	1	25.4932	0	50	51	29	137
1,1,2,2-Tetrachloroethane	1	26.6805	0	50	53	18	136
Styrene	1	20.0237	0	50	40	14	141
m&p-Xylenes	1	50.0424	0	100	50	18	152
o-Xylene	1	24.3623	0	50	49	21	146
trans-1,4-Dichloro-2-butene	1	22.6476	0	50	45	11	139
1,3-Dichlorobenzene	1	15.6301	0	50	31	10	134
1,4-Dichlorobenzene	1	14.739	0	50	29	10	132
1,2-Dichlorobenzene	1	15.4926	0	50	31	10	129
Isopropylbenzene	1	24.9176	0	50	50	14	150
Cyclohexanone	1	120.4204	0	250	48	10	344
Camphene	1	25.6394	0	50	51	10	137
1,2,3-Trichloropropane	1	27.129	0	50	54	20	133
2-Chlorotoluene	1	24.6541	0	50	49	13	140
p-Ethyltoluene	1	24.108	0	50	48	10	138
4-Chlorotoluene	1	22.1537	0	50	44	10	138
n-Propylbenzene	1	24.1849	0	50	48	10	145
Bromobenzene	1	25.237	0	50	50	14	132
1,3,5-Trimethylbenzene	1	21.8217	0	50	44	12	146
Butyl methacrylate	1	10.8996	0	50	22	10	154
t-Butylbenzene	1	21.962	0	50	44	10	142
1,2,4-Trimethylbenzene	1	22.1018	0	50	44	10	147
sec-Butylbenzene	1	20.8821	0	50	42	10	146
4-Isopropyltoluene	1	19.4764	0	50	39	10	128
n-Butylbenzene	1	20.8268	0	50	42	10	146
p-Diethylbenzene	1	18.1954	0	50	36	10	142
1,2,4,5-Tetramethylbenzene	1	17.1529	0	50	34	10	130
1,2-Dibromo-3-Chloropropane	1	20.1709	0	50	40	16	126
~~Camphor~~	1	~~362.1964~~	~~0~~	~~500~~	~~72~~		
Hexachlorobutadiene	1	13.8699	0	50	28	10	123
1,2,4-Trichlorobenzene	1	10.3934	0	50	21	10	128
1,2,3-Trichlorobenzene	1	9.7783	0	50	20	10	123
Naphthalene	1	10.5099	0	50	21	10	140

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS120188

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M189585.D	AD48506-001(MSD)	12/5/2024 6:13:00 PM
Duplicate(If applicable):	6M189584.D	AD48506-001(MS)	12/5/2024 5:51:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	34.7225	36.435	4.8	56
Dichlorodifluoromethane	**1**	**21.3805**	**27.7663**	**26**	**60**
Chloromethane	**1**	**17.0304**	**21.064**	**21**	**49**
Bromomethane	**1**	**18.8223**	**20.9518**	**11**	**38**
Vinyl Chloride	**1**	**20.763**	**24.6975**	**17**	**47**
Chloroethane	**1**	**23.573**	**27.7919**	**16**	**39**
Trichlorofluoromethane	**1**	**27.2427**	**32.7649**	**18**	**43**
Ethyl ether	1	32.3274	37.7633	16	106
Furan	1	30.1477	37.0159	20	56
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**36.1575**	**42.7217**	**17**	**45**
Methylene Chloride	**1**	**59.2321**	**64.3554**	**8.3**	**35**
Acrolein	1	20.3058	66.5652	107	129
Acrylonitrile	1	26.3101	32.5777	21	40
Iodomethane	1	25.8449	34.6482	29	46
Acetone	**1**	**140.4465**	**165.3371**	**16**	**41**
Carbon Disulfide	**1**	**32.514**	**42.0798**	**26**	**44**
t-Butyl Alcohol	1	180.5632	219.6248	20	38
n-Hexane	1	26.3028	33.3968	24	52
Di-isopropyl-ether	1	29.8017	37.9227	24	36
1,1-Dichloroethene	**1**	**35.9419**	**45.3766**	**23**	**42**
Methyl Acetate	**1**	**39.5809**	**48.2284**	**20**	**43**
Methyl-t-butyl ether	**1**	**36.4403**	**46.538**	**24**	**34**
1,1-Dichloroethane	**1**	**35.4924**	**44.4854**	**22**	**37**
trans-1,2-Dichloroethene	**1**	**27.8284**	**37.4033**	**29**	**40**
Ethyl-t-butyl ether	1	34.5201	43.9089	24	55
cis-1,2-Dichloroethene	**1**	**29.85**	**38.4754**	**25**	**36**
Bromochloromethane	**1**	**29.0655**	**38.3201**	**27**	**29**
2,2-Dichloropropane	1	42.342	53.0402	22	38
Ethyl acetate	1	7.5613	16.2873	73	106
1,4-Dioxane	**1**	**1856.165**	**2332.408**	**23**	**38**
1,1-Dichloropropene	1	33.9972	42.6153	22	39
Chloroform	**1**	**34.9153**	**44.916**	**25**	**31**
Cyclohexane	**1**	**30.0404**	**38.0924**	**24**	**44**
1,2-Dichloroethane	**1**	**36.5157**	**45.7296**	**22**	**29**
2-Butanone	**1**	**31.227**	**34.7485**	**11**	**46**
1,1,1-Trichloroethane	**1**	**39.0214**	**48.3396**	**21**	**36**
Carbon Tetrachloride	**1**	**37.4193**	**45.9602**	**20**	**37**
Vinyl Acetate	1	13.7447	19.2266	33	44
Bromodichloromethane	**1**	**32.9162**	**42.0415**	**24**	**32**
Methylcyclohexane	**1**	**26.7617**	**33.5656**	**23**	**45**
Dibromomethane	1	24.3228	31.6208	26	30
1,2-Dichloropropane	**1**	**31.5997**	**39.9895**	**23**	**31**
Trichloroethene	**1**	**25.3441**	**31.6994**	**22**	**36**
Benzene	**1**	**31.7007**	**39.7326**	**22**	**33**
tert-Amyl methyl ether	1	37.871	46.7028	21	29
Iso-propylacetate	1	11.307	20.9019	60	117
Methyl methacrylate	1	29.9134	37.9992	24	68
Dibromochloromethane	**1**	**26.2273**	**33.0765**	**23**	**35**
2-Chloroethylvinylether	1	31.2898	41.9828	29	167
cis-1,3-Dichloropropene	**1**	**27.0326**	**35.2074**	**26**	**36**
trans-1,3-Dichloropropene	**1**	**25.9792**	**34.5531**	**28**	**37**
Ethyl methacrylate	1	8.6486	18.1946	71*	46
1,1,2-Trichloroethane	**1**	**28.1012**	**34.7439**	**21**	**41**
1,2-Dibromoethane	**1**	**23.7812**	**32.332**	**30**	**34**
1,3-Dichloropropane	1	29.3884	37.1618	23	33
4-Methyl-2-Pentanone	**1**	**27.9273**	**36.2863**	**26**	**57**
2-Hexanone	**1**	**21.1893**	**32.4397**	**42**	**63**
Tetrachloroethene	**1**	**24.599**	**30.1958**	**20**	**40**
Toluene	**1**	**26.8348**	**34.6806**	**26**	**38**
1,1,1,2-Tetrachloroethane	1	25.4446	31.3989	21	35
Chlorobenzene	**1**	**21.1422**	**27.2686**	**25**	**38**

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits

QC Batch: MBS120188

Method: 8260D | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	6.6984	15.9395	82	134
n-Amyl acetate	1	4.6147	12.2001	90	166
Bromoform	**1**	**24.3981**	**30.4882**	**22**	**37**
Ethylbenzene	**1**	**25.4932**	**31.3544**	**21**	**36**
1,1,2,2-Tetrachloroethane	**1**	**26.6805**	**33.8512**	**24**	**40**
Styrene	**1**	**20.0237**	**25.9888**	**26**	**45**
m&p-Xylenes	**1**	**50.0424**	**61.5196**	**21**	**44**
o-Xylene	**1**	**24.3623**	**30.5083**	**22**	**43**
trans-1,4-Dichloro-2-butene	1	22.6476	30.1279	28	39
1,3-Dichlorobenzene	**1**	**15.6301**	**20.4819**	**27**	**46**
1,4-Dichlorobenzene	**1**	**14.739**	**20.672**	**34**	**47**
1,2-Dichlorobenzene	**1**	**15.4926**	**20.2947**	**27**	**47**
Isopropylbenzene	**1**	**24.9176**	**30.4935**	**20**	**46**
Cyclohexanone	1	120.4204	188.0077	44	63
Camphene	1	25.6394	30.95	19	54
1,2,3-Trichloropropane	1	27.129	35.1917	26	38
2-Chlorotoluene	1	24.6541	32.5463	28	47
p-Ethyltoluene	1	24.108	29.9371	22	58
4-Chlorotoluene	1	22.1537	27.2407	21	48
n-Propylbenzene	1	24.1849	31.0405	25	46
Bromobenzene	1	25.237	32.145	24	41
1,3,5-Trimethylbenzene	1	21.8217	28.6511	27	45
Butyl methacrylate	1	10.8996	20.1111	59	83
t-Butylbenzene	1	21.962	27.715	23	46
1,2,4-Trimethylbenzene	1	22.1018	28.3977	25	49
sec-Butylbenzene	1	20.8821	27.021	26	49
4-Isopropyltoluene	1	19.4764	25.1951	26	51
n-Butylbenzene	1	20.8268	26.8295	25	55
p-Diethylbenzene	1	18.1954	23.9494	27	55
1,2,4,5-Tetramethylbenzene	1	17.1529	22.358	26	59
1,2-Dibromo-3-Chloropropane	**1**	**20.1709**	**26.0673**	**26**	**43**
~~Camphor~~	1	~~362.1964~~	~~451.2188~~	~~22~~	
Hexachlorobutadiene	1	13.8699	17.699	24	56
1,2,4-Trichlorobenzene	**1**	**10.3934**	**15.2014**	**38**	**58**
1,2,3-Trichlorobenzene	**1**	**9.7783**	**13.8302**	**34**	**60**
Naphthalene	1	10.5099	15.5091	38	70

MY 12116

* - Indicates outside of limits | NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB119848

	Data File	Sample ID:	Analysis Date
Spike or Dup:	10M104511.D	SMB119848(MS)	12/10/2024 6:41:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8270E Matrix: Soil Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,4-Dioxane	1	13.9108	0	50	28	10	60
Pyridine	1	37.5268	0	50	75	13	107
N-Nitrosodimethylamine	1	31.3688	0	50	63	30	100
Benzaldehyde	1	33.1785	0	50	66	10	121
Aniline	1	23.0896	0	50	46	10	96
Pentachloroethane	1	34.1349	0	50	68	19	125
bis(2-Chloroethyl)ether	1	37.9012	0	50	76	28	120
Phenol	1	80.6466	0	100	81	32	119
2-Chlorophenol	1	79.5582	0	100	80	33	124
N-Decane	1	25.0858	0	50	50	10	142
1,3-Dichlorobenzene	1	34.3888	0	50	69	32	105
1,4-Dichlorobenzene	1	37.0246	0	50	74	37	100
1,2-Dichlorobenzene	1	37.2916	0	50	75	29	108
Benzyl alcohol	1	39.9014	0	50	80	37	119
bis(2-chloroisopropyl)ether	1	32.7839	0	50	66	20	110
2-Methylphenol	1	84.1986	0	100	84	38	114
Acetophenone	1	40.3897	0	50	81	11	152
Hexachloroethane	1	36.6041	0	50	73	10	130
N-Nitroso-di-n-propylamine	1	39.826	0	50	80	10	151
3&4-Methylphenol	1	87.5266	0	100	88	36	127
Nitrobenzene	1	40.831	0	50	82	20	142
Isophorone	1	37.0164	0	50	74	10	164
2-Nitrophenol	1	84.9963	0	100	85	16	146
2,4-Dimethylphenol	1	81.1606	0	100	81	15	150
Benzoic Acid	1	75.7744	0	100	76	10	182
bis(2-Chloroethoxy)methane	1	38.3542	0	50	77	26	131
2,4-Dichlorophenol	1	88.0581	0	100	88	20	146
1,2,4-Trichlorobenzene	1	40.1416	0	50	80	33	121
Naphthalene	1	40.8561	0	50	82	10	153
4-Chloroaniline	1	26.5445	0	50	53	10	112
Hexachlorobutadiene	1	37.8644	0	50	76	32	113
Caprolactam	1	44.3101	0	50	89	10	174
4-Chloro-3-methylphenol	1	88.1495	0	100	88	32	138
2-Methylnaphthalene	1	39.2689	0	50	79	11	153
1-Methylnaphthalene	1	44.0574	0	50	88	10	180
1,1'-Biphenyl	1	37.8865	0	50	76	18	148
1,2,4,5-Tetrachlorobenzene	1	38.9015	0	50	78	31	124
Hexachlorocyclopentadiene	1	29.4813	0	50	59	10	103
2,4,6-Trichlorophenol	1	87.7478	0	100	88	32	137
2,4,5-Trichlorophenol	1	83.6844	0	100	84	36	131
2-Chloronaphthalene	1	41.7093	0	50	83	41	115
1,4-Dimethylnaphthalene	1	40.1917	0	50	80	10	205
Diphenyl Ether	1	39.455	0	50	79	31	127
2-Nitroaniline	1	44.2035	0	50	88	32	142
Acenaphthylene	1	42.8632	0	50	86	26	133
Dimethylphthalate	1	41.2439	0	50	82	40	120
2,6-Dinitrotoluene	1	41.9576	0	50	84	18	148
Acenaphthene	1	40.6197	0	50	81	11	158
3-Nitroaniline	1	37.4218	0	50	75	14	137
2,4-Dinitrophenol	1	42.8934	0	100	43	10	128
Dibenzofuran	1	41.897	0	50	84	10	170
2,4-Dinitrotoluene	1	45.11	0	50	90	10	173
4-Nitrophenol	1	84.306	0	100	84	23	140
2,3,4,6-Tetrachlorophenol	1	86.2879	0	100	86	26	127
Fluorene	1	41.6011	0	50	83	14	152
4-Chlorophenyl-phenylether	1	40.8659	0	50	82	40	121
Diethylphthalate	1	44.136	0	50	88	40	119
4-Nitroaniline	1	44.4044	0	50	89	31	125
Atrazine	1	43.9608	0	50	88	12	164
4,6-Dinitro-2-methylphenol	1	57.9381	0	100	58	10	146
n-Nitrosodiphenylamine	1	35.2753	0	50	71	10	172

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB119848

Method: 8270E | Matrix: Soil | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,2-Diphenylhydrazine	1	44.6522	0	50	89	24	144
4-Bromophenyl-phenylether	**1**	**40.7983**	**0**	**50**	**82**	**26**	**148**
Hexachlorobenzene	**1**	**41.4763**	**0**	**50**	**83**	**36**	**124**
N-Octadecane	1	43.5399	0	50	87	10	186
Pentachlorophenol	**1**	**81.2845**	**0**	**100**	**81**	**21**	**148**
Phenanthrene	**1**	**43.2866**	**0**	**50**	**87**	**10**	**175**
Anthracene	**1**	**40.4576**	**0**	**50**	**81**	**21**	**148**
Carbazole	**1**	**43.5353**	**0**	**50**	**87**	**36**	**137**
Di-n-butylphthalate	**1**	**49.3248**	**0**	**50**	**99**	**41**	**134**
Fluoranthene	**1**	**44.3694**	**0**	**50**	**89**	**10**	**186**
Pyrene	**1**	**44.4623**	**0**	**50**	**89**	**10**	**196**
Benzidine	1	2.2977	0	50	4.6*	10	77
Butylbenzylphthalate	**1**	**50.9858**	**0**	**50**	**102**	**40**	**139**
3,3'-Dichlorobenzidine	**1**	**31.0842**	**0**	**50**	**62**	**10**	**110**
Benzo[a]anthracene	**1**	**42.5475**	**0**	**50**	**85**	**13**	**142**
Chrysene	**1**	**37.3512**	**0**	**50**	**75**	**11**	**161**
bis(2-Ethylhexyl)phthalate	**1**	**47.0373**	**0**	**50**	**94**	**34**	**156**
Di-n-octylphthalate	**1**	**51.1691**	**0**	**50**	**102**	**28**	**158**
Benzo[b]fluoranthene	**1**	**43.3392**	**0**	**50**	**87**	**20**	**156**
Benzo[k]fluoranthene	**1**	**42.0047**	**0**	**50**	**84**	**15**	**156**
Benzo[a]pyrene	**1**	**42.0993**	**0**	**50**	**84**	**14**	**144**
Indeno[1,2,3-cd]pyrene	**1**	**40.8425**	**0**	**50**	**82**	**24**	**142**
Dibenzo[a,h]anthracene	**1**	**41.1969**	**0**	**50**	**82**	**29**	**132**
Benzo[g,h,i]perylene	**1**	**43.4475**	**0**	**50**	**87**	**12**	**142**

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB119848

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M131085.D	AD48503-002(MS)	12/10/2024 6:57:00 PM
Non Spike(If applicable):	9M131084.D	AD48503-002	12/10/2024 6:36:00 PM
Inst Blank(If applicable):			

Method: 8270E Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,4-Dioxane	1	15.1979	0	50	30	10	60
Pyridine	1	31.9706	0	50	64	13	107
N-Nitrosodimethylamine	1	29.8591	0	50	60	30	100
Benzaldehyde	1	27.4645	0	50	55	10	121
Aniline	1	14.5681	0	50	29	10	96
Pentachloroethane	1	30.5087	0	50	61	19	125
bis(2-Chloroethyl)ether	1	31.7475	0	50	63	28	120
N-Decane	1	27.2117	0	50	54	10	142
1,3-Dichlorobenzene	1	33.4432	0	50	67	32	105
1,4-Dichlorobenzene	1	35.6261	0	50	71	37	100
1,2-Dichlorobenzene	1	38.0057	0	50	76	29	108
Benzyl alcohol	1	40.9273	0	50	82	37	119
bis(2-chloroisopropyl)ether	1	33.4688	0	50	67	20	110
Acetophenone	1	36.2253	0	50	72	11	152
Hexachloroethane	1	32.6517	0	50	65	10	130
N-Nitroso-di-n-propylamine	1	35.2455	0	50	70	10	151
Nitrobenzene	1	36.6048	0	50	73	20	142
Isophorone	1	35.1851	0	50	70	10	164
Benzoic Acid	1	61.8107	0	100	62	10	182
bis(2-Chloroethoxy)methane	1	37.1043	0	50	74	26	131
1,2,4-Trichlorobenzene	1	40.5605	0	50	81	33	121
Naphthalene	1	37.7473	0	50	75	10	153
4-Chloroaniline	1	21.9463	0	50	44	10	112
Hexachlorobutadiene	1	42.5934	0	50	85	32	113
Caprolactam	1	47.7064	0	50	95	10	174
2-Methylnaphthalene	1	41.2052	0	50	82	11	153
1-Methylnaphthalene	1	44.0665	0	50	88	10	180
1,1'-Biphenyl	1	43.0897	0	50	86	18	148
1,2,4,5-Tetrachlorobenzene	1	39.87	0	50	80	31	124
Hexachlorocyclopentadiene	1	20.2097	0	50	40	10	103
2-Chloronaphthalene	1	40.4608	0	50	81	41	115
1,4-Dimethylnaphthalene	1	40.2347	0	50	80	10	205
Diphenyl Ether	1	39.306	0	50	79	31	127
2-Nitroaniline	1	36.0725	0	50	72	32	142
Acenaphthylene	1	41.1923	0	50	82	26	133
Dimethylphthalate	1	41.3214	0	50	83	40	120
2,6-Dinitrotoluene	1	40.2237	0	50	80	18	148
Acenaphthene	1	39.0131	0	50	78	11	158
3-Nitroaniline	1	35.438	0	50	71	14	137
Dibenzofuran	1	42.6724	0	50	85	10	170
2,4-Dinitrotoluene	1	45.0762	0	50	90	10	173
Fluorene	1	41.1685	0	50	82	14	152
4-Chlorophenyl-phenylether	1	43.2506	0	50	87	40	121
Diethylphthalate	1	42.1312	0	50	84	40	119
4-Nitroaniline	1	42.215	0	50	84	31	125
Atrazine	1	48.1514	0	50	96	12	164
n-Nitrosodiphenylamine	1	37.2727	0	50	75	10	172
1,2-Diphenylhydrazine	1	35.7918	0	50	72	24	144
4-Bromophenyl-phenylether	1	49.5297	0	50	99	26	148
Hexachlorobenzene	1	50.7299	0	50	101	36	124
N-Octadecane	1	46.1859	0	50	92	10	186
Phenanthrene	1	43.5758	0	50	87	10	175
Anthracene	1	41.2619	0	50	83	21	148
Carbazole	1	42.4917	0	50	85	36	137
Di-n-butylphthalate	1	46.1107	0	50	92	41	134
Fluoranthene	1	48.7529	0	50	98	10	186
Pyrene	1	44.1661	0	50	88	10	196
Benzidine	1	3.4334	0	50	6.9*	10	77
Butylbenzylphthalate	1	43.5374	0	50	87	40	139
3,3'-Dichlorobenzidine	1	36.3788	0	50	73	10	110
Benzo[a]anthracene	1	43.1834	0	50	86	13	142

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB119848

Method: 8270E Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chrysene	1	37.6371	0	50	75	11	161
bis(2-Ethylhexyl)phthalate	1	40.3837	0	50	81	34	156
Di-n-octylphthalate	1	43.1478	0	50	86	28	158
Benzo[b]fluoranthene	1	42.4052	0	50	85	20	156
Benzo[k]fluoranthene	1	38.7457	0	50	77	15	156
Benzo[a]pyrene	1	41.8604	0	50	84	14	144
Indeno[1,2,3-cd]pyrene	1	45.4607	0	50	91	24	142
Dibenzo[a,h]anthracene	1	42.2644	0	50	85	29	132
Benzo[g,h,i]perylene	1	45.7927	0	50	92	12	142

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 116692

Instrument Type: ICPMS

Analytical Method(s):6020B/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AD48506-001

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	116692	1	S120624A	27	S120624A	23	43164.1920	38779.2500	2500	175	b	75	125
Antimony	116692	1	S120624A	27	S120624A	23	107.5400	5.6800	250	41	a	75	125
Arsenic	116692	1	S120624A	27	S120624A	23	263.5090	45.3350	250	87		75	125
Barium	116692	1	S120624A	27	S120624A	23	1070.0980	817.8920	250	101		75	125
Beryllium	116692	1	S120624A	27	S120624A	23	226.6840	2.3640	250	90		75	125
Cadmium	116692	1	S120624A	27	S120624A	23	227.7900	2.5620	250	90		75	125
Calcium	116692	1	S120624A	27	S120624A	23	32316.7310	10252.3620	25000	88		75	125
Chromium	116692	1	S120624A	27	S120624A	23	329.6670	108.1890	250	89		75	125
Cobalt	116692	1	S120624A	27	S120624A	23	243.0430	31.8980	250	84		75	125
Copper	116692	1	S120624A	27	S120624A	23	1001.2820	608.0140	250	157	a	75	125
Iron	116692	1	S120624A	27	S120624A	23	110049.0570	96301.6780	2500	550	b	75	125
Lead	116692	1	S120624A	27	S120624A	23	1642.8370	1469.8940	250	69	b	75	125
Magnesium	116692	1	S120624A	27	S120624A	23	34067.6240	11873.5660	25000	89		75	125
Manganese	116692	1	S120624A	27	S120624A	23	1837.2490	2001.7850	250	-66	b	75	125
Nickel	116692	1	S120624A	27	S120624A	23	301.3800	81.0600	250	88		75	125
Potassium	116692	1	S120624A	27	S120624A	23	28046.0610	5910.9420	25000	89		75	125
Selenium	116692	1	S120624A	27	S120624A	23	227.2190	11.8300	250	86		75	125
Silver	116692	1	S120624A	27	S120624A	23	42.9930	2.8950	50	80		75	125
Sodium	116692	1	S120624A	27	S120624A	23	22659.0230	500U	25000	91		75	125
Thallium	116692	1	S120624A	27	S120624A	23	210.5300	1U	250	84		75	125
Vanadium	116692	1	S120624A	27	S120624A	23	362.2240	136.8010	250	90		75	125
Zinc	116692	1	S120624A	27	S120624A	23	1481.9810	1137.4110	250	138	b	75	125

TxtQcType: MS Matrix: SOIL SampleID: AD48506-001

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	116692	1	S120624A	26	S120624A	23	45516.1250	38779.2500	2500	269	b	75	125
Antimony	116692	1	S120624A	26	S120624A	23	105.8540	5.6800	250	40	a	75	125
Arsenic	116692	1	S120624A	26	S120624A	23	266.9480	45.3350	250	89		75	125
Barium	116692	1	S120624A	26	S120624A	23	1200.5860	817.8920	250	153	a	75	125
Beryllium	116692	1	S120624A	26	S120624A	23	231.0070	2.3640	250	91		75	125
Cadmium	116692	1	S120624A	26	S120624A	23	233.4690	2.5620	250	92		75	125
Calcium	116692	1	S120624A	26	S120624A	23	33233.8810	10252.3620	25000	92		75	125
Chromium	116692	1	S120624A	26	S120624A	23	340.0730	108.1890	250	93		75	125
Cobalt	116692	1	S120624A	26	S120624A	23	248.9160	31.8980	250	87		75	125
Copper	116692	1	S120624A	26	S120624A	23	849.8750	608.0140	250	97		75	125
Iron	116692	1	S120624A	26	S120624A	23	100011.6010	96301.6780	2500	148	b	75	125
Lead	116692	1	S120624A	26	S120624A	23	1719.7670	1469.8940	250	100		75	125
Magnesium	116692	1	S120624A	26	S120624A	23	35083.4780	11873.5660	25000	93		75	125
Manganese	116692	1	S120624A	26	S120624A	23	1852.6790	2001.7850	250	-60	b	75	125
Nickel	116692	1	S120624A	26	S120624A	23	310.9720	81.0600	250	92		75	125
Potassium	116692	1	S120624A	26	S120624A	23	28784.1030	5910.9420	25000	91		75	125
Selenium	116692	1	S120624A	26	S120624A	23	231.3850	11.8300	250	88		75	125
Silver	116692	1	S120624A	26	S120624A	23	44.8150	2.8950	50	84		75	125
Sodium	116692	1	S120624A	26	S120624A	23	22934.6860	500U	25000	92		75	125
Thallium	116692	1	S120624A	26	S120624A	23	212.9180	1U	250	85		75	125
Vanadium	116692	1	S120624A	26	S120624A	23	365.1480	136.8010	250	91		75	125
Zinc	116692	1	S120624A	26	S120624A	23	1347.6600	1137.4110	250	84		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 116692

Instrument Type: ICPMS

Analytical Method(s):6020B/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 116692

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	116692	S120624A	22	S120624A	21	7575.8050	7944.3960	4.7		20
Antimony	116692	S120624A	22	S120624A	21	70.6770	70.9850	.43		20
Arsenic	116692	S120624A	22	S120624A	21	54.0710	56.0990	3.7		20
Barium	116692	S120624A	22	S120624A	21	437.1040	454.2110	3.8		20
Beryllium	116692	S120624A	22	S120624A	21	260.1450	266.4330	2.4		20
Cadmium	116692	S120624A	22	S120624A	21	112.7390	124.3430	9.8		20
Calcium	116692	S120624A	22	S120624A	21	10360.5370	10847.3920	4.6		20
Chromium	116692	S120624A	22	S120624A	21	254.9420	268.6260	5.2		20
Cobalt	116692	S120624A	22	S120624A	21	138.4580	144.9680	4.6		20
Copper	116692	S120624A	22	S120624A	21	196.5210	205.4420	4.4		20
Iron	116692	S120624A	22	S120624A	21	11294.2540	11919.2820	5.4		20
Lead	116692	S120624A	22	S120624A	21	292.4180	298.4070	2		20
Magnesium	116692	S120624A	22	S120624A	21	14179.7030	14610.2550	3		20
Manganese	116692	S120624A	22	S120624A	21	591.1810	617.6080	4.4		20
Nickel	116692	S120624A	22	S120624A	21	147.5850	153.9630	4.2		20
Potassium	116692	S120624A	22	S120624A	21	11453.9750	11701.1050	2.1		20
Selenium	116692	S120624A	22	S120624A	21	187.5440	193.5480	3.2		20
Silver	116692	S120624A	22	S120624A	21	43.1350	45.6110	5.6		20
Sodium	116692	S120624A	22	S120624A	21	5909.5790	6420.7600	8.3		20
Thallium	116692	S120624A	22	S120624A	21	37.5190	38.2080	1.8		20
Vanadium	116692	S120624A	22	S120624A	21	65.3250	68.8210	5.2		20
Zinc	116692	S120624A	22	S120624A	21	569.3810	606.6070	6.3		20

TxtQcType: MR Matrix: SOIL SampleID: AD48506-001

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	116692	S120624A	24	S120624A	23	39567.5400	38779.2500	2		20
Antimony	116692	S120624A	24	S120624A	23	5.4260	5.6800	4.6		20
Arsenic	116692	S120624A	24	S120624A	23	48.1000	45.3350	5.9		20
Barium	116692	S120624A	24	S120624A	23	860.0290	817.8920	5		20
Beryllium	116692	S120624A	24	S120624A	23	2.3380	2.3640	1.1		20
Cadmium	116692	S120624A	24	S120624A	23	2.7270	2.5620	6.2		20
Calcium	116692	S120624A	24	S120624A	23	10334.2310	10252.3620	0.8		20
Chromium	116692	S120624A	24	S120624A	23	119.2780	108.1890	9.7		20
Cobalt	116692	S120624A	24	S120624A	23	33.4370	31.8980	4.7		20
Copper	116692	S120624A	24	S120624A	23	689.1050	608.0140	13		20
Iron	116692	S120624A	24	S120624A	23	96623.5990	96301.6780	0.33		20
Lead	116692	S120624A	24	S120624A	23	1582.2640	1469.8940	7.4		20
Magnesium	116692	S120624A	24	S120624A	23	12414.8230	11873.5660	4.5		20
Manganese	116692	S120624A	24	S120624A	23	1984.5430	2001.7850	0.87		20
Nickel	116692	S120624A	24	S120624A	23	85.1130	81.0600	4.9		20
Potassium	116692	S120624A	24	S120624A	23	6094.9670	5910.9420	3.1		20
Selenium	116692	S120624A	24	S120624A	23	12.2470	11.8300	3.5		20
Silver	116692	S120624A	24	S120624A	23	5.3260	2.8950	59	a	20
Sodium	116692	S120624A	24	S120624A	23	500U	500U	---		20
Thallium	116692	S120624A	24	S120624A	23	1U	1U	---		20
Vanadium	116692	S120624A	24	S120624A	23	140.0740	136.8010	2.4		20
Zinc	116692	S120624A	24	S120624A	23	1224.4350	1137.4110	7.4		20

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 116694

Instrument Type: ICP/HG

Analytical Method(s):6010D/200.7/7470A/7471B/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: TCLP SampleID: LCSW MR 116694

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	116694	1	T31586A5	12	0.4966	0.50	99		80	120
Barium	116694	1	T31586A5	12	0.5093	0.50	102		80	120
Cadmium	116694	1	T31586A5	12	0.5244	0.50	105		80	120
Chromium	116694	1	T31586A5	12	0.5121	0.50	102		80	120
Lead	116694	1	T31586A5	12	0.4996	0.50	100		80	120
Mercury	116694	1	H31586T	12	9.7300	10	97		80	120
Selenium	116694	1	T31586A5	12	0.5029	0.50	101		80	120
Silver	116694	1	T31586A5	12	0.0952	0.100	95		80	120

TxtQcType: LCS Matrix: TCLP SampleID: LCSW 116694

Analyte	BatchId	DF	Data File	Seq#:	Spk Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	116694	1	T31586A5	11	0.5119	0.50	102		80	120
Barium	116694	1	T31586A5	11	0.5185	0.50	104		80	120
Cadmium	116694	1	T31586A5	11	0.5344	0.50	107		80	120
Chromium	116694	1	T31586A5	11	0.5246	0.50	105		80	120
Lead	116694	1	T31586A5	11	0.5108	0.50	102		80	120
Mercury	116694	1	H31586T	11	9.5610	10	96		80	120
Selenium	116694	1	T31586A5	11	0.5221	0.50	104		80	120
Silver	116694	1	T31586A5	11	0.0967	0.100	97		80	120

TxtQcType: MS Matrix: TCLP SampleID: AD48501-002

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Arsenic	116694	1	T31586A5	19	T31586A5	17	0.5750	0.1U	0.50	115		50	
Barium	116694	1	T31586A5	19	T31586A5	17	1.2269	0.7255	0.50	100		50	
Cadmium	116694	1	T31586A5	19	T31586A5	17	0.5760	0.05U	0.50	115		50	
Chromium	116694	1	T31586A5	19	T31586A5	17	0.5239	0.1U	0.50	105		50	
Lead	116694	1	T31586A5	19	T31586A5	17	0.8193	0.3218	0.50	100		50	
Mercury	116694	1	H31586T	15	H31586T	13	9.7560	0.50U	10	98		50	
Selenium	116694	2	T31586B5	12	T31586B5	10	0.2793	0.1U	0.50	112		50	
Silver	116694	2	T31586B5	12	T31586B5	10	0.0464	0.05U	0.100	0	a	50	

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 116694

Instrument Type: ICP/HG

Analytical Method(s):6010D/200.7/7470A/7471B/245.1 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: TCLP SampleID: LCSW MR 116694

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Arsenic	116694	T31586A5	12	T31586A5	11	0.4966	0.5119	3	20
Barium	116694	T31586A5	12	T31586A5	11	0.5093	0.5185	1.8	20
Cadmium	116694	T31586A5	12	T31586A5	11	0.5244	0.5344	1.9	20
Chromium	116694	T31586A5	12	T31586A5	11	0.5121	0.5246	2.4	20
Lead	116694	T31586A5	12	T31586A5	11	0.4996	0.5108	2.2	20
Mercury	116694	H31586T	12	H31586T	11	9.7300	9.5610	1.8	20
Selenium	116694	T31586A5	12	T31586A5	11	0.5029	0.5221	3.8	20
Silver	116694	T31586A5	12	T31586A5	11	0.0952	0.0967	1.6	20

TxtQcType: MR Matrix: TCLP SampleID: AD48501-002

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD	Limit
Arsenic	116694	T31586A5	18	T31586A5	17	0.1U	0.1U	---	20
Barium	116694	T31586A5	18	T31586A5	17	0.6869	0.7255	5.5	20
Cadmium	116694	T31586A5	18	T31586A5	17	0.05U	0.05U	---	20
Chromium	116694	T31586A5	18	T31586A5	17	0.1U	0.1U	---	20
Lead	116694	T31586A5	18	T31586A5	17	0.3099	0.3218	3.8	20
Mercury	116694	H31586T	14	H31586T	13	0.50U	0.50U	---	20
Selenium	116694	T31586B5	11	T31586B5	10	0.1U	0.1U	---	20
Silver	116694	T31586B5	11	T31586B5	10	0.05U	0.05U	---	20

TxtQcType: SD Matrix: TCLP SampleID: AD48501-002

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Arsenic	116694	T31586A5	21	T31586A5	17	5	0.0256	0.0278	362	c	20
Barium	116694	T31586A5	21	T31586A5	17	5	0.1461	0.7255	0.71		20
Cadmium	116694	T31586A5	21	T31586A5	17	5	0.0057	0.0169	70	a	20
Chromium	116694	T31586A5	21	T31586A5	17	5	0.0120	0.0336	78	a	20
Lead	116694	T31586A5	21	T31586A5	17	5	0.0734	0.3218	14		20
Mercury	116694	H31586T	16	H31586T	13	5	0.0480	0.0380	---		10
Selenium	116694	T31586B5	14	T31586B5	10	5	0.0083	-0.0004	---		20
Silver	116694	T31586B5	14	T31586B5	10	5	-0.0025	-0.0060	---		20

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

HC Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

DUP = Duplicate

LCS = Laboratory Control Spike

MBS = Method Blank Spike

MDL = Method Detection Limit

MR = Matrix Replicate

MS = Matrix Spike

MSD = Matrix Spike Duplicate

NA = Not Applicable

ND = Not Detected

PS = Post Digestion Spike

RL* = Reporting Limit

RT = Retention Time

SD = Serial Dilution

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

A- Indicates that the Tentatively Identified Compound (TIC) is suspected to be an aldol-condensation product. These compounds are by-products of acetone and methylene chloride used in the extraction process.

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

R- Retention Time is out.

Y- Indicates a contaminant found in the blank at less than 10% of the concentration of a contaminant found in the sample.

HC Report of Analysis

Client: LIRO Engineers, Inc. **HC Project #:** 4120509

Project: Queens Botanical Gardens

Sample ID: SB-12-0-2.0' **Collection Date:** 12/2/2024
Lab#: AD48506-001 **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**85**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.098**	**0.74**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0059	ND
Aldrin	1	mg/kg	0.0059	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0059	ND
delta-BHC	1	mg/kg	0.0059	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0059	ND
Endosulfan II	1	mg/kg	0.0059	ND
Endosulfan Sulfate	1	mg/kg	0.0059	ND
Endrin	1	mg/kg	0.0059	ND
Endrin Aldehyde	1	mg/kg	0.0059	ND
Endrin Ketone	1	mg/kg	0.0059	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0059	ND
Heptachlor Epoxide	1	mg/kg	0.0059	ND
Methoxychlor	1	mg/kg	0.0059	ND
p,p'-DDD	1	mg/kg	0.0029	ND
p,p'-DDE	**1**	**mg/kg**	**0.0029**	**0.0086**
p,p'-DDT	**1**	**mg/kg**	**0.0029**	**0.0085**
Toxaphene	1	mg/kg	0.029	ND
y-Chlordane	1	mg/kg	0.0059	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.029**	**0.046**
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	**1**	**mg/kg**	**0.029**	**0.046**
Aroclor-1268	1	mg/kg	0.029	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.12	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.12	ND

Sample ID: SB-12-0-2.0' **Collection Date:** 12/2/2024
Lab#: AD48506-001 **Receipt Date:** 12/4/2024
Matrix: Soil

1,4-Dioxane	3	mg/kg	0.12	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.12	ND
2,4,5-Trichlorophenol	3	mg/kg	0.12	ND
2,4,6-Trichlorophenol	3	mg/kg	0.12	ND
2,4-Dichlorophenol	3	mg/kg	0.12	ND
2,4-Dimethylphenol	3	mg/kg	0.12	ND
2,4-Dinitrophenol	3	mg/kg	0.59	ND
2,4-Dinitrotoluene	3	mg/kg	0.12	ND
2,6-Dinitrotoluene	3	mg/kg	0.12	ND
2-Chloronaphthalene	3	mg/kg	0.12	ND
2-Chlorophenol	3	mg/kg	0.12	ND
2-Methylnaphthalene	3	mg/kg	0.12	ND
2-Methylphenol	3	mg/kg	0.12	ND
2-Nitroaniline	3	mg/kg	0.12	ND
2-Nitrophenol	3	mg/kg	0.12	ND
3&4-Methylphenol	3	mg/kg	0.12	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.12	ND
3-Nitroaniline	3	mg/kg	0.12	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.59	ND
4-Bromophenyl-phenylether	3	mg/kg	0.12	ND
4-Chloro-3-methylphenol	3	mg/kg	0.12	ND
4-Chloroaniline	3	mg/kg	0.12	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.12	ND
4-Nitroaniline	3	mg/kg	0.12	ND
4-Nitrophenol	3	mg/kg	0.12	ND
Acenaphthene	3	mg/kg	0.12	ND
Acenaphthylene	3	mg/kg	0.12	ND
Acetophenone	3	mg/kg	0.12	ND
Anthracene	3	mg/kg	0.12	ND
Atrazine	3	mg/kg	0.12	ND
Benzaldehyde	3	mg/kg	0.12	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.12**	**0.55**
Benzo[a]pyrene	**3**	**mg/kg**	**0.12**	**0.60**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.12**	**0.83**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.12**	**0.42**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.12**	**0.28**
bis(2-Chloroethoxy)methane	3	mg/kg	0.12	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.045	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.12	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.12	ND
Butylbenzylphthalate	3	mg/kg	0.12	ND
Caprolactam	3	mg/kg	0.12	ND
Carbazole	3	mg/kg	0.12	ND
Chrysene	**3**	**mg/kg**	**0.12**	**0.59**
Dibenzo[a,h]anthracene	3	mg/kg	0.12	ND
Dibenzofuran	3	mg/kg	0.12	ND
Diethylphthalate	3	mg/kg	0.12	ND
Dimethylphthalate	3	mg/kg	0.12	ND
Di-n-butylphthalate	3	mg/kg	0.59	ND
Di-n-octylphthalate	3	mg/kg	0.12	ND
Fluoranthene	**3**	**mg/kg**	**0.12**	**0.88**
Fluorene	3	mg/kg	0.12	ND
Hexachlorobenzene	3	mg/kg	0.12	ND
Hexachlorobutadiene	3	mg/kg	0.12	ND
Hexachlorocyclopentadiene	3	mg/kg	0.59	ND
Hexachloroethane	3	mg/kg	0.12	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.12**	**0.45**

Sample ID: SB-12-0-2.0' **Collection Date:** 12/2/2024
Lab#: AD48506-001 **Receipt Date:** 12/4/2024
Matrix: Soil

Isophorone	3	mg/kg	0.12	ND
Naphthalene	3	mg/kg	0.12	ND
Nitrobenzene	3	mg/kg	0.12	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.12	ND
N-Nitrosodiphenylamine	3	mg/kg	0.12	ND
Pentachlorophenol	3	mg/kg	0.59	ND
Phenanthrene	**3**	**mg/kg**	**0.12**	**0.37**
Phenol	3	mg/kg	0.12	ND
Pyrene	**3**	**mg/kg**	**0.12**	**0.80**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**24**	**9100**
Antimony	**1**	**mg/kg**	**0.35**	**1.3**
Arsenic	**1**	**mg/kg**	**0.24**	**11**
Barium	**1**	**mg/kg**	**0.59**	**190**
Beryllium	**1**	**mg/kg**	**0.12**	**0.56**
Cadmium	**1**	**mg/kg**	**0.24**	**0.60**
Calcium	**1**	**mg/kg**	**120**	**2400**
Chromium	**1**	**mg/kg**	**0.24**	**25**
Cobalt	**1**	**mg/kg**	**0.24**	**7.5**
Copper	**1**	**mg/kg**	**1.2**	**140**
Iron	**1**	**mg/kg**	**35**	**23000**
Lead	**1**	**mg/kg**	**0.35**	**350**
Magnesium	**1**	**mg/kg**	**120**	**2800**
Manganese	**1**	**mg/kg**	**1.2**	**470**
Nickel	**1**	**mg/kg**	**1.2**	**19**
Potassium	**1**	**mg/kg**	**120**	**1400**
Selenium	**1**	**mg/kg**	**1.2**	**2.8**
Silver	**1**	**mg/kg**	**0.24**	**0.68**
Sodium	1	mg/kg	120	ND
Thallium	1	mg/kg	0.24	ND
Vanadium	**1**	**mg/kg**	**0.24**	**32**
Zinc	**1**	**mg/kg**	**4.7**	**270**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.936	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.936	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.936	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.936	mg/kg	0.0022	ND
1,1-Dichloroethane	0.936	mg/kg	0.0022	ND
1,1-Dichloroethene	0.936	mg/kg	0.0022	ND
1,2,3-Trichlorobenzene	0.936	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	0.936	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	0.936	mg/kg	0.0022	ND
1,2-Dibromoethane	0.936	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.936	mg/kg	0.0022	ND
1,2-Dichloroethane	0.936	mg/kg	0.0022	ND
1,2-Dichloropropane	0.936	mg/kg	0.0022	ND
1,3-Dichlorobenzene	0.936	mg/kg	0.0022	ND
1,3-Dichloropropene (Total)	0.936	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.936	mg/kg	0.0022	ND
1,4-Dioxane	0.936	mg/kg	0.11	ND
2-Butanone	0.936	mg/kg	0.0022	ND
2-Hexanone	0.936	mg/kg	0.0022	ND
4-Methyl-2-pentanone	0.936	mg/kg	0.0022	ND

Sample ID: SB-12-0-2.0' **Collection Date:** 12/2/2024
Lab#: AD48506-001 **Receipt Date:** 12/4/2024
Matrix: Soil

Acetone	0.936	mg/kg	0.011	ND
Benzene	0.936	mg/kg	0.0011	ND
Bromochloromethane	0.936	mg/kg	0.0022	ND
Bromodichloromethane	0.936	mg/kg	0.0022	ND
Bromoform	0.936	mg/kg	0.0022	ND
Bromomethane	0.936	mg/kg	0.0022	ND
Carbon disulfide	0.936	mg/kg	0.0055	ND
Carbon tetrachloride	0.936	mg/kg	0.0022	ND
Chlorobenzene	0.936	mg/kg	0.0022	ND
Chloroethane	0.936	mg/kg	0.0022	ND
Chloroform	0.936	mg/kg	0.0022	ND
Chloromethane	0.936	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.936	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.936	mg/kg	0.0022	ND
Cyclohexane	0.936	mg/kg	0.0022	ND
Dibromochloromethane	0.936	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.936	mg/kg	0.0022	ND
Ethylbenzene	0.936	mg/kg	0.0011	ND
Isopropylbenzene	0.936	mg/kg	0.0011	ND
m&p-Xylenes	0.936	mg/kg	0.0015	ND
Methyl Acetate	0.936	mg/kg	0.0022	ND
Methylcyclohexane	0.936	mg/kg	0.0022	ND
Methylene chloride	**0.936**	**mg/kg**	**0.0022**	**0.046**
Methyl-t-butyl ether	0.936	mg/kg	0.0011	ND
o-Xylene	0.936	mg/kg	0.0011	ND
Styrene	0.936	mg/kg	0.0022	ND
Tetrachloroethene	0.936	mg/kg	0.0022	ND
Toluene	0.936	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.936	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.936	mg/kg	0.0022	ND
Trichloroethene	0.936	mg/kg	0.0022	ND
Trichlorofluoromethane	0.936	mg/kg	0.0022	ND
Vinyl chloride	0.936	mg/kg	0.0022	ND
Xylenes (Total)	0.936	mg/kg	0.0011	ND

Sample ID: SB-17-0-2.0' **Collection Date:** 12/2/2024
Lab#: AD48506-002 **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**84**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.099**	**0.72**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0060	ND
Aldrin	1	mg/kg	0.0060	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0060	ND
delta-BHC	1	mg/kg	0.0060	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0060	ND
Endosulfan II	1	mg/kg	0.0060	ND
Endosulfan Sulfate	1	mg/kg	0.0060	ND
Endrin	1	mg/kg	0.0060	ND
Endrin Aldehyde	1	mg/kg	0.0060	ND
Endrin Ketone	1	mg/kg	0.0060	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0060	ND
Heptachlor Epoxide	1	mg/kg	0.0060	ND
Methoxychlor	1	mg/kg	0.0060	ND
p,p'-DDD	1	mg/kg	0.0030	ND
p,p'-DDE	**1**	**mg/kg**	**0.0030**	**0.014**
p,p'-DDT	**1**	**mg/kg**	**0.0030**	**0.010**
Toxaphene	1	mg/kg	0.030	ND
y-Chlordane	1	mg/kg	0.0060	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.030	ND
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.040	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.040	ND
1,4-Dioxane	1	mg/kg	0.040	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.040	ND
2,4,5-Trichlorophenol	1	mg/kg	0.040	ND
2,4,6-Trichlorophenol	1	mg/kg	0.040	ND
2,4-Dichlorophenol	1	mg/kg	0.040	ND
2,4-Dimethylphenol	1	mg/kg	0.040	ND
2,4-Dinitrophenol	1	mg/kg	0.20	ND

Sample ID: SB-17-0-2.0' **Collection Date:** 12/2/2024
Lab#: AD48506-002 **Receipt Date:** 12/4/2024
Matrix: Soil

2,4-Dinitrotoluene	1	mg/kg	0.040	ND
2,6-Dinitrotoluene	1	mg/kg	0.040	ND
2-Chloronaphthalene	1	mg/kg	0.040	ND
2-Chlorophenol	1	mg/kg	0.040	ND
2-Methylnaphthalene	1	mg/kg	0.040	ND
2-Methylphenol	1	mg/kg	0.040	ND
2-Nitroaniline	1	mg/kg	0.040	ND
2-Nitrophenol	1	mg/kg	0.040	ND
3&4-Methylphenol	1	mg/kg	0.040	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.040	ND
3-Nitroaniline	1	mg/kg	0.040	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.20	ND
4-Bromophenyl-phenylether	1	mg/kg	0.040	ND
4-Chloro-3-methylphenol	1	mg/kg	0.040	ND
4-Chloroaniline	1	mg/kg	0.040	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.040	ND
4-Nitroaniline	1	mg/kg	0.040	ND
4-Nitrophenol	1	mg/kg	0.040	ND
Acenaphthene	1	mg/kg	0.040	ND
Acenaphthylene	1	mg/kg	0.040	ND
Acetophenone	1	mg/kg	0.040	ND
Anthracene	**1**	**mg/kg**	**0.040**	**0.11**
Atrazine	1	mg/kg	0.040	ND
Benzaldehyde	1	mg/kg	0.040	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.040**	**0.36**
Benzo[a]pyrene	**1**	**mg/kg**	**0.040**	**0.38**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.040**	**0.51**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.040**	**0.29**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.040**	**0.16**
bis(2-Chloroethoxy)methane	1	mg/kg	0.040	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.015	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.040	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.040	ND
Butylbenzylphthalate	1	mg/kg	0.040	ND
Caprolactam	1	mg/kg	0.040	ND
Carbazole	1	mg/kg	0.040	ND
Chrysene	**1**	**mg/kg**	**0.040**	**0.38**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.040**	**0.074**
Dibenzofuran	1	mg/kg	0.040	ND
Diethylphthalate	1	mg/kg	0.040	ND
Dimethylphthalate	1	mg/kg	0.040	ND
Di-n-butylphthalate	1	mg/kg	0.20	ND
Di-n-octylphthalate	1	mg/kg	0.040	ND
Fluoranthene	**1**	**mg/kg**	**0.040**	**0.60**
Fluorene	1	mg/kg	0.040	ND
Hexachlorobenzene	1	mg/kg	0.040	ND
Hexachlorobutadiene	1	mg/kg	0.040	ND
Hexachlorocyclopentadiene	1	mg/kg	0.20	ND
Hexachloroethane	1	mg/kg	0.040	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.040**	**0.31**
Isophorone	1	mg/kg	0.040	ND
Naphthalene	1	mg/kg	0.040	ND
Nitrobenzene	1	mg/kg	0.040	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.040	ND
N-Nitrosodiphenylamine	1	mg/kg	0.040	ND
Pentachlorophenol	1	mg/kg	0.20	ND
Phenanthrene	**1**	**mg/kg**	**0.040**	**0.36**

Sample ID: SB-17-0-2.0' **Collection Date:** 12/2/2024
Lab#: AD48506-002 **Receipt Date:** 12/4/2024
Matrix: Soil

Phenol	1	mg/kg	0.040	ND
Pyrene	**1**	**mg/kg**	**0.040**	**0.56**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**24**	**8900**
Antimony	**1**	**mg/kg**	**0.36**	**10**
Arsenic	**1**	**mg/kg**	**0.24**	**11**
Barium	**1**	**mg/kg**	**0.60**	**300**
Beryllium	**1**	**mg/kg**	**0.12**	**0.52**
Cadmium	**1**	**mg/kg**	**0.24**	**0.81**
Calcium	**1**	**mg/kg**	**120**	**2900**
Chromium	**1**	**mg/kg**	**0.24**	**29**
Cobalt	**1**	**mg/kg**	**0.24**	**6.0**
Copper	**1**	**mg/kg**	**1.2**	**130**
Iron	**1**	**mg/kg**	**36**	**25000**
Lead	**1**	**mg/kg**	**0.36**	**370**
Magnesium	**1**	**mg/kg**	**120**	**2700**
Manganese	**1**	**mg/kg**	**1.2**	**380**
Nickel	**1**	**mg/kg**	**1.2**	**18**
Potassium	**1**	**mg/kg**	**120**	**1300**
Selenium	**1**	**mg/kg**	**1.2**	**2.6**
Silver	**1**	**mg/kg**	**0.24**	**0.42**
Sodium	**1**	**mg/kg**	**120**	**300**
Thallium	1	mg/kg	0.24	ND
Vanadium	**1**	**mg/kg**	**0.24**	**30**
Zinc	**1**	**mg/kg**	**4.8**	**290**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.945	mg/kg	0.0023	ND
1,1,2,2-Tetrachloroethane	0.945	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.945	mg/kg	0.0023	ND
1,1,2-Trichloroethane	0.945	mg/kg	0.0023	ND
1,1-Dichloroethane	0.945	mg/kg	0.0023	ND
1,1-Dichloroethene	0.945	mg/kg	0.0023	ND
1,2,3-Trichlorobenzene	0.945	mg/kg	0.0023	ND
1,2,4-Trichlorobenzene	0.945	mg/kg	0.0023	ND
1,2-Dibromo-3-chloropropane	0.945	mg/kg	0.0023	ND
1,2-Dibromoethane	0.945	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.945	mg/kg	0.0023	ND
1,2-Dichloroethane	0.945	mg/kg	0.0023	ND
1,2-Dichloropropane	0.945	mg/kg	0.0023	ND
1,3-Dichlorobenzene	0.945	mg/kg	0.0023	ND
1,3-Dichloropropene (Total)	0.945	mg/kg	0.0023	ND
1,4-Dichlorobenzene	0.945	mg/kg	0.0023	ND
1,4-Dioxane	0.945	mg/kg	0.11	ND
2-Butanone	0.945	mg/kg	0.0023	ND
2-Hexanone	0.945	mg/kg	0.0023	ND
4-Methyl-2-pentanone	0.945	mg/kg	0.0023	ND
Acetone	0.945	mg/kg	0.011	ND
Benzene	0.945	mg/kg	0.0011	ND
Bromochloromethane	0.945	mg/kg	0.0023	ND
Bromodichloromethane	0.945	mg/kg	0.0023	ND
Bromoform	0.945	mg/kg	0.0023	ND
Bromomethane	0.945	mg/kg	0.0023	ND
Carbon disulfide	0.945	mg/kg	0.0056	ND

Sample ID: SB-17-0-2.0' **Collection Date:** 12/2/2024
Lab#: AD48506-002 **Receipt Date:** 12/4/2024
Matrix: Soil

Carbon tetrachloride	0.945	mg/kg	0.0023	ND
Chlorobenzene	0.945	mg/kg	0.0023	ND
Chloroethane	0.945	mg/kg	0.0023	ND
Chloroform	0.945	mg/kg	0.0023	ND
Chloromethane	0.945	mg/kg	0.0023	ND
cis-1,2-Dichloroethene	0.945	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	0.945	mg/kg	0.0023	ND
Cyclohexane	0.945	mg/kg	0.0023	ND
Dibromochloromethane	0.945	mg/kg	0.0023	ND
Dichlorodifluoromethane	0.945	mg/kg	0.0023	ND
Ethylbenzene	0.945	mg/kg	0.0011	ND
Isopropylbenzene	0.945	mg/kg	0.0011	ND
m&p-Xylenes	0.945	mg/kg	0.0016	ND
Methyl Acetate	0.945	mg/kg	0.0023	ND
Methylcyclohexane	0.945	mg/kg	0.0023	ND
Methylene chloride	**0.945**	**mg/kg**	**0.0023**	**0.038**
Methyl-t-butyl ether	0.945	mg/kg	0.0011	ND
o-Xylene	0.945	mg/kg	0.0011	ND
Styrene	0.945	mg/kg	0.0023	ND
Tetrachloroethene	0.945	mg/kg	0.0023	ND
Toluene	0.945	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.945	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	0.945	mg/kg	0.0023	ND
Trichloroethene	0.945	mg/kg	0.0023	ND
Trichlorofluoromethane	0.945	mg/kg	0.0023	ND
Vinyl chloride	0.945	mg/kg	0.0023	ND
Xylenes (Total)	0.945	mg/kg	0.0011	ND

Sample ID: SB-11-0-2.0' | **Collection Date:** 12/2/2024
Lab#: AD48506-003 | **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**84**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.099**	**0.65**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0060	ND
Aldrin	1	mg/kg	0.0060	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0060	ND
delta-BHC	1	mg/kg	0.0060	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0060	ND
Endosulfan II	1	mg/kg	0.0060	ND
Endosulfan Sulfate	1	mg/kg	0.0060	ND
Endrin	1	mg/kg	0.0060	ND
Endrin Aldehyde	1	mg/kg	0.0060	ND
Endrin Ketone	1	mg/kg	0.0060	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0060	ND
Heptachlor Epoxide	1	mg/kg	0.0060	ND
Methoxychlor	1	mg/kg	0.0060	ND
p,p'-DDD	1	mg/kg	0.0030	ND
p,p'-DDE	1	mg/kg	0.0030	ND
p,p'-DDT	**1**	**mg/kg**	**0.0030**	**0.0046**
Toxaphene	1	mg/kg	0.030	ND
y-Chlordane	1	mg/kg	0.0060	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.030	ND
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.040	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.040	ND
1,4-Dioxane	1	mg/kg	0.040	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.040	ND
2,4,5-Trichlorophenol	1	mg/kg	0.040	ND
2,4,6-Trichlorophenol	1	mg/kg	0.040	ND
2,4-Dichlorophenol	1	mg/kg	0.040	ND
2,4-Dimethylphenol	1	mg/kg	0.040	ND
2,4-Dinitrophenol	1	mg/kg	0.20	ND

Sample ID:	**SB-11-0-2.0'**
Lab#:	**AD48506-003**
Matrix:	**Soil**
Collection Date:	**12/2/2024**
Receipt Date:	**12/4/2024**

2,4-Dinitrotoluene	1	mg/kg	0.040	ND
2,6-Dinitrotoluene	1	mg/kg	0.040	ND
2-Chloronaphthalene	1	mg/kg	0.040	ND
2-Chlorophenol	1	mg/kg	0.040	ND
2-Methylnaphthalene	1	mg/kg	0.040	ND
2-Methylphenol	1	mg/kg	0.040	ND
2-Nitroaniline	1	mg/kg	0.040	ND
2-Nitrophenol	1	mg/kg	0.040	ND
3&4-Methylphenol	1	mg/kg	0.040	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.040	ND
3-Nitroaniline	1	mg/kg	0.040	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.20	ND
4-Bromophenyl-phenylether	1	mg/kg	0.040	ND
4-Chloro-3-methylphenol	1	mg/kg	0.040	ND
4-Chloroaniline	1	mg/kg	0.040	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.040	ND
4-Nitroaniline	1	mg/kg	0.040	ND
4-Nitrophenol	1	mg/kg	0.040	ND
Acenaphthene	1	mg/kg	0.040	ND
Acenaphthylene	1	mg/kg	0.040	ND
Acetophenone	1	mg/kg	0.040	ND
Anthracene	**1**	**mg/kg**	**0.040**	**0.051**
Atrazine	1	mg/kg	0.040	ND
Benzaldehyde	1	mg/kg	0.040	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.040**	**0.23**
Benzo[a]pyrene	**1**	**mg/kg**	**0.040**	**0.25**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.040**	**0.36**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.040**	**0.23**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.040**	**0.11**
bis(2-Chloroethoxy)methane	1	mg/kg	0.040	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.015	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.040	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.040	ND
Butylbenzylphthalate	1	mg/kg	0.040	ND
Caprolactam	1	mg/kg	0.040	ND
Carbazole	1	mg/kg	0.040	ND
Chrysene	**1**	**mg/kg**	**0.040**	**0.23**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.040**	**0.055**
Dibenzofuran	1	mg/kg	0.040	ND
Diethylphthalate	1	mg/kg	0.040	ND
Dimethylphthalate	1	mg/kg	0.040	ND
Di-n-butylphthalate	1	mg/kg	0.20	ND
Di-n-octylphthalate	1	mg/kg	0.040	ND
Fluoranthene	**1**	**mg/kg**	**0.040**	**0.34**
Fluorene	1	mg/kg	0.040	ND
Hexachlorobenzene	1	mg/kg	0.040	ND
Hexachlorobutadiene	1	mg/kg	0.040	ND
Hexachlorocyclopentadiene	1	mg/kg	0.20	ND
Hexachloroethane	1	mg/kg	0.040	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.040**	**0.22**
Isophorone	1	mg/kg	0.040	ND
Naphthalene	1	mg/kg	0.040	ND
Nitrobenzene	1	mg/kg	0.040	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.040	ND
N-Nitrosodiphenylamine	1	mg/kg	0.040	ND
Pentachlorophenol	1	mg/kg	0.20	ND
Phenanthrene	**1**	**mg/kg**	**0.040**	**0.18**

Sample ID:	**SB-11-0-2.0'**	**Collection Date:**	**12/2/2024**
Lab#:	**AD48506-003**	**Receipt Date:**	**12/4/2024**
Matrix:	**Soil**		

Phenol	1	mg/kg	0.040	ND
Pyrene	**1**	**mg/kg**	**0.040**	**0.32**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**24**	**8200**
Antimony	**1**	**mg/kg**	**0.36**	**1.6**
Arsenic	**1**	**mg/kg**	**0.24**	**7.8**
Barium	**1**	**mg/kg**	**0.60**	**160**
Beryllium	**1**	**mg/kg**	**0.12**	**0.45**
Cadmium	**1**	**mg/kg**	**0.24**	**0.66**
Calcium	**1**	**mg/kg**	**120**	**2200**
Chromium	**1**	**mg/kg**	**0.24**	**23**
Cobalt	**1**	**mg/kg**	**0.24**	**7.4**
Copper	**1**	**mg/kg**	**1.2**	**130**
Iron	**1**	**mg/kg**	**36**	**20000**
Lead	**1**	**mg/kg**	**0.36**	**280**
Magnesium	**1**	**mg/kg**	**120**	**2600**
Manganese	**1**	**mg/kg**	**1.2**	**440**
Nickel	**1**	**mg/kg**	**1.2**	**20**
Potassium	**1**	**mg/kg**	**120**	**1200**
Selenium	**1**	**mg/kg**	**1.2**	**2.4**
Silver	**1**	**mg/kg**	**0.24**	**0.31**
Sodium	1	mg/kg	120	ND
Thallium	1	mg/kg	0.24	ND
Vanadium	**1**	**mg/kg**	**0.24**	**28**
Zinc	**1**	**mg/kg**	**4.8**	**300**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.996	mg/kg	0.0024	ND
1,1,2,2-Tetrachloroethane	0.996	mg/kg	0.0024	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.996	mg/kg	0.0024	ND
1,1,2-Trichloroethane	0.996	mg/kg	0.0024	ND
1,1-Dichloroethane	0.996	mg/kg	0.0024	ND
1,1-Dichloroethene	0.996	mg/kg	0.0024	ND
1,2,3-Trichlorobenzene	0.996	mg/kg	0.0024	ND
1,2,4-Trichlorobenzene	0.996	mg/kg	0.0024	ND
1,2-Dibromo-3-chloropropane	0.996	mg/kg	0.0024	ND
1,2-Dibromoethane	0.996	mg/kg	0.0012	ND
1,2-Dichlorobenzene	0.996	mg/kg	0.0024	ND
1,2-Dichloroethane	0.996	mg/kg	0.0024	ND
1,2-Dichloropropane	0.996	mg/kg	0.0024	ND
1,3-Dichlorobenzene	0.996	mg/kg	0.0024	ND
1,3-Dichloropropene (Total)	0.996	mg/kg	0.0024	ND
1,4-Dichlorobenzene	0.996	mg/kg	0.0024	ND
1,4-Dioxane	0.996	mg/kg	0.12	ND
2-Butanone	0.996	mg/kg	0.0024	ND
2-Hexanone	0.996	mg/kg	0.0024	ND
4-Methyl-2-pentanone	0.996	mg/kg	0.0024	ND
Acetone	0.996	mg/kg	0.012	ND
Benzene	0.996	mg/kg	0.0012	ND
Bromochloromethane	0.996	mg/kg	0.0024	ND
Bromodichloromethane	0.996	mg/kg	0.0024	ND
Bromoform	0.996	mg/kg	0.0024	ND
Bromomethane	0.996	mg/kg	0.0024	ND
Carbon disulfide	0.996	mg/kg	0.0059	ND

Sample ID: SB-11-0-2.0' **Collection Date:** 12/2/2024
Lab#: AD48506-003 **Receipt Date:** 12/4/2024
Matrix: Soil

Carbon tetrachloride	0.996	mg/kg	0.0024	ND
Chlorobenzene	0.996	mg/kg	0.0024	ND
Chloroethane	0.996	mg/kg	0.0024	ND
Chloroform	0.996	mg/kg	0.0024	ND
Chloromethane	0.996	mg/kg	0.0024	ND
cis-1,2-Dichloroethene	0.996	mg/kg	0.0024	ND
cis-1,3-Dichloropropene	0.996	mg/kg	0.0024	ND
Cyclohexane	0.996	mg/kg	0.0024	ND
Dibromochloromethane	0.996	mg/kg	0.0024	ND
Dichlorodifluoromethane	0.996	mg/kg	0.0024	ND
Ethylbenzene	0.996	mg/kg	0.0012	ND
Isopropylbenzene	0.996	mg/kg	0.0012	ND
m&p-Xylenes	0.996	mg/kg	0.0017	ND
Methyl Acetate	0.996	mg/kg	0.0024	ND
Methylcyclohexane	0.996	mg/kg	0.0024	ND
Methylene chloride	**0.996**	**mg/kg**	**0.0024**	**0.028**
Methyl-t-butyl ether	0.996	mg/kg	0.0012	ND
o-Xylene	0.996	mg/kg	0.0012	ND
Styrene	0.996	mg/kg	0.0024	ND
Tetrachloroethene	0.996	mg/kg	0.0024	ND
Toluene	0.996	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	0.996	mg/kg	0.0024	ND
trans-1,3-Dichloropropene	0.996	mg/kg	0.0024	ND
Trichloroethene	0.996	mg/kg	0.0024	ND
Trichlorofluoromethane	0.996	mg/kg	0.0024	ND
Vinyl chloride	0.996	mg/kg	0.0024	ND
Xylenes (Total)	0.996	mg/kg	0.0012	ND

Sample ID: SB-10-0-2.0' **Collection Date:** 12/2/2024
Lab#: AD48506-004 **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.097	0.66

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0058	ND
Aldrin	1	mg/kg	0.0058	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0058	ND
delta-BHC	1	mg/kg	0.0058	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0058	ND
Endosulfan II	1	mg/kg	0.0058	ND
Endosulfan Sulfate	1	mg/kg	0.0058	ND
Endrin	1	mg/kg	0.0058	ND
Endrin Aldehyde	1	mg/kg	0.0058	ND
Endrin Ketone	1	mg/kg	0.0058	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0058	ND
Heptachlor Epoxide	1	mg/kg	0.0058	ND
Methoxychlor	1	mg/kg	0.0058	ND
p,p'-DDD	1	mg/kg	0.0029	ND
p,p'-DDE	**1**	**mg/kg**	**0.0029**	**0.0044**
p,p'-DDT	**1**	**mg/kg**	**0.0029**	**0.0065**
Toxaphene	1	mg/kg	0.029	ND
y-Chlordane	1	mg/kg	0.0058	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.039	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.039	ND
1,4-Dioxane	1	mg/kg	0.039	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.039	ND
2,4,5-Trichlorophenol	1	mg/kg	0.039	ND
2,4,6-Trichlorophenol	1	mg/kg	0.039	ND
2,4-Dichlorophenol	1	mg/kg	0.039	ND
2,4-Dimethylphenol	1	mg/kg	0.039	ND
2,4-Dinitrophenol	1	mg/kg	0.19	ND

Sample ID: SB-10-0-2.0'	**Collection Date:** 12/2/2024
Lab#: AD48506-004	**Receipt Date:** 12/4/2024
Matrix: Soil	

2,4-Dinitrotoluene	1	mg/kg	0.039	ND
2,6-Dinitrotoluene	1	mg/kg	0.039	ND
2-Chloronaphthalene	1	mg/kg	0.039	ND
2-Chlorophenol	1	mg/kg	0.039	ND
2-Methylnaphthalene	1	mg/kg	0.039	ND
2-Methylphenol	1	mg/kg	0.039	ND
2-Nitroaniline	1	mg/kg	0.039	ND
2-Nitrophenol	1	mg/kg	0.039	ND
3&4-Methylphenol	1	mg/kg	0.039	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.039	ND
3-Nitroaniline	1	mg/kg	0.039	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.19	ND
4-Bromophenyl-phenylether	1	mg/kg	0.039	ND
4-Chloro-3-methylphenol	1	mg/kg	0.039	ND
4-Chloroaniline	1	mg/kg	0.039	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.039	ND
4-Nitroaniline	1	mg/kg	0.039	ND
4-Nitrophenol	1	mg/kg	0.039	ND
Acenaphthene	1	mg/kg	0.039	ND
Acenaphthylene	**1**	**mg/kg**	**0.039**	**0.041**
Acetophenone	1	mg/kg	0.039	ND
Anthracene	**1**	**mg/kg**	**0.039**	**0.082**
Atrazine	1	mg/kg	0.039	ND
Benzaldehyde	1	mg/kg	0.039	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.039**	**0.44**
Benzo[a]pyrene	**1**	**mg/kg**	**0.039**	**0.45**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.039**	**0.65**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.039**	**0.34**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.039**	**0.21**
bis(2-Chloroethoxy)methane	1	mg/kg	0.039	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.015	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.039	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.039	ND
Butylbenzylphthalate	1	mg/kg	0.039	ND
Caprolactam	1	mg/kg	0.039	ND
Carbazole	1	mg/kg	0.039	ND
Chrysene	**1**	**mg/kg**	**0.039**	**0.44**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.039**	**0.091**
Dibenzofuran	1	mg/kg	0.039	ND
Diethylphthalate	1	mg/kg	0.039	ND
Dimethylphthalate	1	mg/kg	0.039	ND
Di-n-butylphthalate	1	mg/kg	0.19	ND
Di-n-octylphthalate	1	mg/kg	0.039	ND
Fluoranthene	**1**	**mg/kg**	**0.039**	**0.64**
Fluorene	1	mg/kg	0.039	ND
Hexachlorobenzene	1	mg/kg	0.039	ND
Hexachlorobutadiene	1	mg/kg	0.039	ND
Hexachlorocyclopentadiene	1	mg/kg	0.19	ND
Hexachloroethane	1	mg/kg	0.039	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.039**	**0.38**
Isophorone	1	mg/kg	0.039	ND
Naphthalene	1	mg/kg	0.039	ND
Nitrobenzene	1	mg/kg	0.039	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.039	ND
N-Nitrosodiphenylamine	1	mg/kg	0.039	ND
Pentachlorophenol	1	mg/kg	0.19	ND
Phenanthrene	**1**	**mg/kg**	**0.039**	**0.27**

Sample ID: SB-10-0-2.0' **Collection Date:** 12/2/2024
Lab#: AD48506-004 **Receipt Date:** 12/4/2024
Matrix: Soil

Phenol	1	mg/kg	0.039	ND
Pyrene	**1**	**mg/kg**	**0.039**	**0.63**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**23**	**6200**
Antimony	**1**	**mg/kg**	**0.35**	**0.81**
Arsenic	**1**	**mg/kg**	**0.23**	**5.8**
Barium	**1**	**mg/kg**	**0.58**	**120**
Beryllium	**1**	**mg/kg**	**0.12**	**0.33**
Cadmium	**1**	**mg/kg**	**0.23**	**0.29**
Calcium	**1**	**mg/kg**	**120**	**4600**
Chromium	**1**	**mg/kg**	**0.23**	**19**
Cobalt	**1**	**mg/kg**	**0.23**	**4.7**
Copper	**1**	**mg/kg**	**1.2**	**76**
Iron	**1**	**mg/kg**	**35**	**15000**
Lead	**1**	**mg/kg**	**0.35**	**210**
Magnesium	**1**	**mg/kg**	**120**	**2200**
Manganese	**1**	**mg/kg**	**1.2**	**270**
Nickel	**1**	**mg/kg**	**1.2**	**12**
Potassium	**1**	**mg/kg**	**120**	**1200**
Selenium	**1**	**mg/kg**	**1.2**	**1.9**
Silver	**1**	**mg/kg**	**0.23**	**0.25**
Sodium	1	mg/kg	120	ND
Thallium	1	mg/kg	0.23	ND
Vanadium	**1**	**mg/kg**	**0.23**	**21**
Zinc	**1**	**mg/kg**	**4.7**	**140**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.864	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.864	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.864	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.864	mg/kg	0.0020	ND
1,1-Dichloroethane	0.864	mg/kg	0.0020	ND
1,1-Dichloroethene	0.864	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	0.864	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.864	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.864	mg/kg	0.0020	ND
1,2-Dibromoethane	0.864	mg/kg	0.0010	ND
1,2-Dichlorobenzene	0.864	mg/kg	0.0020	ND
1,2-Dichloroethane	0.864	mg/kg	0.0020	ND
1,2-Dichloropropane	0.864	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.864	mg/kg	0.0020	ND
1,3-Dichloropropene (Total)	0.864	mg/kg	0.0020	ND
1,4-Dichlorobenzene	0.864	mg/kg	0.0020	ND
1,4-Dioxane	0.864	mg/kg	0.10	ND
2-Butanone	0.864	mg/kg	0.0020	ND
2-Hexanone	0.864	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.864	mg/kg	0.0020	ND
Acetone	0.864	mg/kg	0.010	ND
Benzene	0.864	mg/kg	0.0010	ND
Bromochloromethane	0.864	mg/kg	0.0020	ND
Bromodichloromethane	0.864	mg/kg	0.0020	ND
Bromoform	0.864	mg/kg	0.0020	ND
Bromomethane	0.864	mg/kg	0.0020	ND
Carbon disulfide	0.864	mg/kg	0.0050	ND

Sample ID: SB-10-0-2.0' **Collection Date:** 12/2/2024
Lab#: AD48506-004 **Receipt Date:** 12/4/2024
Matrix: Soil

Carbon tetrachloride	0.864	mg/kg	0.0020	ND
Chlorobenzene	0.864	mg/kg	0.0020	ND
Chloroethane	0.864	mg/kg	0.0020	ND
Chloroform	0.864	mg/kg	0.0020	ND
Chloromethane	0.864	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	0.864	mg/kg	0.0020	ND
cis-1,3-Dichloropropene	0.864	mg/kg	0.0020	ND
Cyclohexane	0.864	mg/kg	0.0020	ND
Dibromochloromethane	0.864	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.864	mg/kg	0.0020	ND
Ethylbenzene	0.864	mg/kg	0.0010	ND
Isopropylbenzene	0.864	mg/kg	0.0010	ND
m&p-Xylenes	0.864	mg/kg	0.0014	ND
Methyl Acetate	0.864	mg/kg	0.0020	ND
Methylcyclohexane	0.864	mg/kg	0.0020	ND
Methylene chloride	**0.864**	**mg/kg**	**0.0020**	**0.033**
Methyl-t-butyl ether	0.864	mg/kg	0.0010	ND
o-Xylene	0.864	mg/kg	0.0010	ND
Styrene	0.864	mg/kg	0.0020	ND
Tetrachloroethene	0.864	mg/kg	0.0020	ND
Toluene	0.864	mg/kg	0.0010	ND
trans-1,2-Dichloroethene	0.864	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.864	mg/kg	0.0020	ND
Trichloroethene	0.864	mg/kg	0.0020	ND
Trichlorofluoromethane	0.864	mg/kg	0.0020	ND
Vinyl chloride	0.864	mg/kg	0.0020	ND
Xylenes (Total)	0.864	mg/kg	0.0010	ND

Sample ID: SB-22-0-2.0' | **Collection Date:** 12/2/2024
Lab#: AD48506-005 | **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		91

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.092	0.17

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0055	ND
Aldrin	1	mg/kg	0.0055	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane (Total)	1	mg/kg	0.0055	ND
delta-BHC	1	mg/kg	0.0055	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0055	ND
Endosulfan II	1	mg/kg	0.0055	ND
Endosulfan Sulfate	1	mg/kg	0.0055	ND
Endrin	1	mg/kg	0.0055	ND
Endrin Aldehyde	1	mg/kg	0.0055	ND
Endrin Ketone	1	mg/kg	0.0055	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0055	ND
Heptachlor Epoxide	1	mg/kg	0.0055	ND
Methoxychlor	1	mg/kg	0.0055	ND
p,p'-DDD	1	mg/kg	0.0027	ND
p,p'-DDE	1	mg/kg	0.0027	ND
p,p'-DDT	1	mg/kg	0.0027	ND
Toxaphene	1	mg/kg	0.027	ND
y-Chlordane	1	mg/kg	0.0055	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	5	mg/kg	0.18	ND
1,2,4,5-Tetrachlorobenzene	5	mg/kg	0.18	ND
1,4-Dioxane	5	mg/kg	0.18	ND
2,3,4,6-Tetrachlorophenol	5	mg/kg	0.18	ND
2,4,5-Trichlorophenol	5	mg/kg	0.18	ND
2,4,6-Trichlorophenol	5	mg/kg	0.18	ND
2,4-Dichlorophenol	5	mg/kg	0.18	ND
2,4-Dimethylphenol	5	mg/kg	0.18	ND
2,4-Dinitrophenol	5	mg/kg	0.92	ND

Sample ID:	**SB-22-0-2.0'**
Lab#:	**AD48506-005**
Matrix:	**Soil**
Collection Date:	**12/2/2024**
Receipt Date:	**12/4/2024**

2,4-Dinitrotoluene	5	mg/kg	0.18	ND
2,6-Dinitrotoluene	5	mg/kg	0.18	ND
2-Chloronaphthalene	5	mg/kg	0.18	ND
2-Chlorophenol	5	mg/kg	0.18	ND
2-Methylnaphthalene	**5**	**mg/kg**	**0.18**	**0.29**
2-Methylphenol	5	mg/kg	0.18	ND
2-Nitroaniline	5	mg/kg	0.18	ND
2-Nitrophenol	5	mg/kg	0.18	ND
3&4-Methylphenol	5	mg/kg	0.18	ND
3,3'-Dichlorobenzidine	5	mg/kg	0.18	ND
3-Nitroaniline	5	mg/kg	0.18	ND
4,6-Dinitro-2-methylphenol	5	mg/kg	0.92	ND
4-Bromophenyl-phenylether	5	mg/kg	0.18	ND
4-Chloro-3-methylphenol	5	mg/kg	0.18	ND
4-Chloroaniline	5	mg/kg	0.18	ND
4-Chlorophenyl-phenylether	5	mg/kg	0.18	ND
4-Nitroaniline	5	mg/kg	0.18	ND
4-Nitrophenol	5	mg/kg	0.18	ND
Acenaphthene	**5**	**mg/kg**	**0.18**	**0.62**
Acenaphthylene	5	mg/kg	0.18	ND
Acetophenone	5	mg/kg	0.18	ND
Anthracene	**5**	**mg/kg**	**0.18**	**1.9**
Atrazine	5	mg/kg	0.18	ND
Benzaldehyde	5	mg/kg	0.18	ND
Benzo[a]anthracene	**5**	**mg/kg**	**0.18**	**2.9**
Benzo[a]pyrene	**5**	**mg/kg**	**0.18**	**2.5**
Benzo[b]fluoranthene	**5**	**mg/kg**	**0.18**	**3.1**
Benzo[g,h,i]perylene	**5**	**mg/kg**	**0.18**	**1.3**
Benzo[k]fluoranthene	**5**	**mg/kg**	**0.18**	**1.1**
bis(2-Chloroethoxy)methane	5	mg/kg	0.18	ND
bis(2-Chloroethyl)ether	5	mg/kg	0.070	ND
bis(2-Chloroisopropyl)ether	5	mg/kg	0.18	ND
bis(2-Ethylhexyl)phthalate	5	mg/kg	0.18	ND
Butylbenzylphthalate	5	mg/kg	0.18	ND
Caprolactam	5	mg/kg	0.18	ND
Carbazole	**5**	**mg/kg**	**0.18**	**0.46**
Chrysene	**5**	**mg/kg**	**0.18**	**2.4**
Dibenzo[a,h]anthracene	**5**	**mg/kg**	**0.18**	**0.38**
Dibenzofuran	**5**	**mg/kg**	**0.18**	**0.62**
Diethylphthalate	5	mg/kg	0.18	ND
Dimethylphthalate	5	mg/kg	0.18	ND
Di-n-butylphthalate	5	mg/kg	0.92	ND
Di-n-octylphthalate	5	mg/kg	0.18	ND
Fluoranthene	**5**	**mg/kg**	**0.18**	**6.5**
Fluorene	**5**	**mg/kg**	**0.18**	**1.2**
Hexachlorobenzene	5	mg/kg	0.18	ND
Hexachlorobutadiene	5	mg/kg	0.18	ND
Hexachlorocyclopentadiene	5	mg/kg	0.92	ND
Hexachloroethane	5	mg/kg	0.18	ND
Indeno[1,2,3-cd]pyrene	**5**	**mg/kg**	**0.18**	**1.5**
Isophorone	5	mg/kg	0.18	ND
Naphthalene	**5**	**mg/kg**	**0.18**	**0.60**
Nitrobenzene	5	mg/kg	0.18	ND
N-Nitroso-di-n-propylamine	5	mg/kg	0.18	ND
N-Nitrosodiphenylamine	5	mg/kg	0.18	ND
Pentachlorophenol	5	mg/kg	0.92	ND
Phenanthrene	**5**	**mg/kg**	**0.18**	**5.9**

Sample ID: SB-22-0-2.0' **Collection Date:** 12/2/2024
Lab#: AD48506-005 **Receipt Date:** 12/4/2024
Matrix: Soil

Phenol	5	mg/kg	0.18	ND
Pyrene	**5**	**mg/kg**	**0.18**	**5.2**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**22**	**6000**
Antimony	**1**	**mg/kg**	**0.33**	**0.49**
Arsenic	**1**	**mg/kg**	**0.22**	**3.2**
Barium	**1**	**mg/kg**	**0.55**	**98**
Beryllium	**1**	**mg/kg**	**0.11**	**0.36**
Cadmium	**1**	**mg/kg**	**0.22**	**0.39**
Calcium	**1**	**mg/kg**	**110**	**3900**
Chromium	**1**	**mg/kg**	**0.22**	**16**
Cobalt	**1**	**mg/kg**	**0.22**	**3.9**
Copper	**1**	**mg/kg**	**1.1**	**32**
Iron	**1**	**mg/kg**	**33**	**11000**
Lead	**1**	**mg/kg**	**0.33**	**88**
Magnesium	**1**	**mg/kg**	**110**	**2300**
Manganese	**1**	**mg/kg**	**1.1**	**260**
Nickel	**1**	**mg/kg**	**1.1**	**9.3**
Potassium	**1**	**mg/kg**	**110**	**450**
Selenium	**1**	**mg/kg**	**1.1**	**1.7**
Silver	1	mg/kg	0.22	ND
Sodium	1	mg/kg	110	ND
Thallium	1	mg/kg	0.22	ND
Vanadium	**1**	**mg/kg**	**0.22**	**18**
Zinc	**1**	**mg/kg**	**4.4**	**98**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.871	mg/kg	0.0019	ND
1,1,2,2-Tetrachloroethane	0.871	mg/kg	0.0019	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.871	mg/kg	0.0019	ND
1,1,2-Trichloroethane	0.871	mg/kg	0.0019	ND
1,1-Dichloroethane	0.871	mg/kg	0.0019	ND
1,1-Dichloroethene	0.871	mg/kg	0.0019	ND
1,2,3-Trichlorobenzene	0.871	mg/kg	0.0019	ND
1,2,4-Trichlorobenzene	0.871	mg/kg	0.0019	ND
1,2-Dibromo-3-chloropropane	0.871	mg/kg	0.0019	ND
1,2-Dibromoethane	0.871	mg/kg	0.00096	ND
1,2-Dichlorobenzene	0.871	mg/kg	0.0019	ND
1,2-Dichloroethane	0.871	mg/kg	0.0019	ND
1,2-Dichloropropane	0.871	mg/kg	0.0019	ND
1,3-Dichlorobenzene	0.871	mg/kg	0.0019	ND
1,3-Dichloropropene (Total)	0.871	mg/kg	0.0019	ND
1,4-Dichlorobenzene	0.871	mg/kg	0.0019	ND
1,4-Dioxane	0.871	mg/kg	0.096	ND
2-Butanone	**0.871**	**mg/kg**	**0.0019**	**0.015**
2-Hexanone	0.871	mg/kg	0.0019	ND
4-Methyl-2-pentanone	0.871	mg/kg	0.0019	ND
Acetone	**0.871**	**mg/kg**	**0.0096**	**0.073**
Benzene	0.871	mg/kg	0.00096	ND
Bromochloromethane	0.871	mg/kg	0.0019	ND
Bromodichloromethane	0.871	mg/kg	0.0019	ND
Bromoform	0.871	mg/kg	0.0019	ND
Bromomethane	0.871	mg/kg	0.0019	ND
Carbon disulfide	0.871	mg/kg	0.0048	ND

Sample ID:	**SB-22-0-2.0'**			**Collection Date:**	**12/2/2024**
Lab#:	**AD48506-005**			**Receipt Date:**	**12/4/2024**
Matrix:	**Soil**				

Carbon tetrachloride	0.871	mg/kg	0.0019	ND
Chlorobenzene	0.871	mg/kg	0.0019	ND
Chloroethane	0.871	mg/kg	0.0019	ND
Chloroform	0.871	mg/kg	0.0019	ND
Chloromethane	0.871	mg/kg	0.0019	ND
cis-1,2-Dichloroethene	0.871	mg/kg	0.0019	ND
cis-1,3-Dichloropropene	0.871	mg/kg	0.0019	ND
Cyclohexane	0.871	mg/kg	0.0019	ND
Dibromochloromethane	0.871	mg/kg	0.0019	ND
Dichlorodifluoromethane	0.871	mg/kg	0.0019	ND
Ethylbenzene	0.871	mg/kg	0.00096	ND
Isopropylbenzene	0.871	mg/kg	0.00096	ND
m&p-Xylenes	0.871	mg/kg	0.0013	ND
Methyl Acetate	0.871	mg/kg	0.0019	ND
Methylcyclohexane	0.871	mg/kg	0.0019	ND
Methylene chloride	**0.871**	**mg/kg**	**0.0019**	**0.010**
Methyl-t-butyl ether	0.871	mg/kg	0.00096	ND
o-Xylene	0.871	mg/kg	0.00096	ND
Styrene	0.871	mg/kg	0.0019	ND
Tetrachloroethene	0.871	mg/kg	0.0019	ND
Toluene	0.871	mg/kg	0.00096	ND
trans-1,2-Dichloroethene	0.871	mg/kg	0.0019	ND
trans-1,3-Dichloropropene	0.871	mg/kg	0.0019	ND
Trichloroethene	0.871	mg/kg	0.0019	ND
Trichlorofluoromethane	0.871	mg/kg	0.0019	ND
Vinyl chloride	0.871	mg/kg	0.0019	ND
Xylenes (Total)	0.871	mg/kg	0.00096	ND

Sample ID: SB-02-7.5-8.0' **Collection Date:** 12/3/2024
Lab#: AD48506-006 **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**79**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.11**	**0.49**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0063	ND
Aldrin	1	mg/kg	0.0063	ND
Alpha-BHC	1	mg/kg	0.0013	ND
beta-BHC	1	mg/kg	0.0013	ND
Chlordane (Total)	1	mg/kg	0.0063	ND
delta-BHC	1	mg/kg	0.0063	ND
Dieldrin	1	mg/kg	0.0013	ND
Endosulfan I	1	mg/kg	0.0063	ND
Endosulfan II	1	mg/kg	0.0063	ND
Endosulfan Sulfate	1	mg/kg	0.0063	ND
Endrin	1	mg/kg	0.0063	ND
Endrin Aldehyde	1	mg/kg	0.0063	ND
Endrin Ketone	1	mg/kg	0.0063	ND
gamma-BHC	1	mg/kg	0.0013	ND
Heptachlor	1	mg/kg	0.0063	ND
Heptachlor Epoxide	1	mg/kg	0.0063	ND
Methoxychlor	1	mg/kg	0.0063	ND
p,p'-DDD	1	mg/kg	0.0032	ND
p,p'-DDE	1	mg/kg	0.0032	ND
p,p'-DDT	1	mg/kg	0.0032	ND
Toxaphene	1	mg/kg	0.032	ND
y-Chlordane	1	mg/kg	0.0063	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.032**	**0.049**
Aroclor-1016	1	mg/kg	0.032	ND
Aroclor-1221	1	mg/kg	0.032	ND
Aroclor-1232	1	mg/kg	0.032	ND
Aroclor-1242	1	mg/kg	0.032	ND
Aroclor-1248	1	mg/kg	0.032	ND
Aroclor-1254	1	mg/kg	0.032	ND
Aroclor-1260	1	mg/kg	0.032	ND
Aroclor-1262	**1**	**mg/kg**	**0.032**	**0.049**
Aroclor-1268	1	mg/kg	0.032	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.13	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.13	ND
1,4-Dioxane	3	mg/kg	0.13	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.13	ND
2,4,5-Trichlorophenol	3	mg/kg	0.13	ND
2,4,6-Trichlorophenol	3	mg/kg	0.13	ND
2,4-Dichlorophenol	3	mg/kg	0.13	ND
2,4-Dimethylphenol	3	mg/kg	0.13	ND
2,4-Dinitrophenol	3	mg/kg	0.63	ND

Sample ID:	**SB-02-7.5-8.0'**
Lab#:	**AD48506-006**
Matrix:	**Soil**
Collection Date:	**12/3/2024**
Receipt Date:	**12/4/2024**

2,4-Dinitrotoluene	3	mg/kg	0.13	ND
2,6-Dinitrotoluene	3	mg/kg	0.13	ND
2-Chloronaphthalene	3	mg/kg	0.13	ND
2-Chlorophenol	3	mg/kg	0.13	ND
2-Methylnaphthalene	3	mg/kg	0.13	ND
2-Methylphenol	3	mg/kg	0.13	ND
2-Nitroaniline	3	mg/kg	0.13	ND
2-Nitrophenol	3	mg/kg	0.13	ND
3&4-Methylphenol	3	mg/kg	0.13	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.13	ND
3-Nitroaniline	3	mg/kg	0.13	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.63	ND
4-Bromophenyl-phenylether	3	mg/kg	0.13	ND
4-Chloro-3-methylphenol	3	mg/kg	0.13	ND
4-Chloroaniline	3	mg/kg	0.13	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.13	ND
4-Nitroaniline	3	mg/kg	0.13	ND
4-Nitrophenol	3	mg/kg	0.13	ND
Acenaphthene	3	mg/kg	0.13	ND
Acenaphthylene	3	mg/kg	0.13	ND
Acetophenone	3	mg/kg	0.13	ND
Anthracene	3	mg/kg	0.13	ND
Atrazine	3	mg/kg	0.13	ND
Benzaldehyde	3	mg/kg	0.13	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.13**	**0.44**
Benzo[a]pyrene	**3**	**mg/kg**	**0.13**	**0.45**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.13**	**0.58**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.13**	**0.29**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.13**	**0.20**
bis(2-Chloroethoxy)methane	3	mg/kg	0.13	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.048	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.13	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.13	ND
Butylbenzylphthalate	3	mg/kg	0.13	ND
Caprolactam	3	mg/kg	0.13	ND
Carbazole	3	mg/kg	0.13	ND
Chrysene	**3**	**mg/kg**	**0.13**	**0.43**
Dibenzo[a,h]anthracene	3	mg/kg	0.13	ND
Dibenzofuran	3	mg/kg	0.13	ND
Diethylphthalate	3	mg/kg	0.13	ND
Dimethylphthalate	3	mg/kg	0.13	ND
Di-n-butylphthalate	3	mg/kg	0.63	ND
Di-n-octylphthalate	3	mg/kg	0.13	ND
Fluoranthene	**3**	**mg/kg**	**0.13**	**0.74**
Fluorene	3	mg/kg	0.13	ND
Hexachlorobenzene	3	mg/kg	0.13	ND
Hexachlorobutadiene	3	mg/kg	0.13	ND
Hexachlorocyclopentadiene	3	mg/kg	0.63	ND
Hexachloroethane	3	mg/kg	0.13	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.13**	**0.31**
Isophorone	3	mg/kg	0.13	ND
Naphthalene	3	mg/kg	0.13	ND
Nitrobenzene	3	mg/kg	0.13	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.13	ND
N-Nitrosodiphenylamine	3	mg/kg	0.13	ND
Pentachlorophenol	3	mg/kg	0.63	ND
Phenanthrene	**3**	**mg/kg**	**0.13**	**0.30**

Sample ID: SB-02-7.5-8.0' **Collection Date:** 12/3/2024
Lab#: AD48506-006 **Receipt Date:** 12/4/2024
Matrix: Soil

Phenol	3	mg/kg	0.13	ND
Pyrene	**3**	**mg/kg**	**0.13**	**0.72**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**25**	**8000**
Antimony	**1**	**mg/kg**	**0.38**	**1.2**
Arsenic	**1**	**mg/kg**	**0.25**	**6.8**
Barium	**1**	**mg/kg**	**0.63**	**170**
Beryllium	**1**	**mg/kg**	**0.13**	**0.42**
Cadmium	**1**	**mg/kg**	**0.25**	**0.76**
Calcium	**1**	**mg/kg**	**130**	**6900**
Chromium	**1**	**mg/kg**	**0.25**	**23**
Cobalt	**1**	**mg/kg**	**0.25**	**6.3**
Copper	**1**	**mg/kg**	**1.3**	**97**
Iron	**1**	**mg/kg**	**38**	**21000**
Lead	**1**	**mg/kg**	**0.38**	**250**
Magnesium	**1**	**mg/kg**	**130**	**2700**
Manganese	**1**	**mg/kg**	**1.3**	**250**
Nickel	**1**	**mg/kg**	**1.3**	**18**
Potassium	**1**	**mg/kg**	**130**	**1200**
Selenium	**1**	**mg/kg**	**1.3**	**2.2**
Silver	**1**	**mg/kg**	**0.25**	**0.64**
Sodium	**1**	**mg/kg**	**130**	**180**
Thallium	1	mg/kg	0.25	ND
Vanadium	**1**	**mg/kg**	**0.25**	**27**
Zinc	**1**	**mg/kg**	**5.1**	**280**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.967	mg/kg	0.0024	ND
1,1,2,2-Tetrachloroethane	0.967	mg/kg	0.0024	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.967	mg/kg	0.0024	ND
1,1,2-Trichloroethane	0.967	mg/kg	0.0024	ND
1,1-Dichloroethane	0.967	mg/kg	0.0024	ND
1,1-Dichloroethene	0.967	mg/kg	0.0024	ND
1,2,3-Trichlorobenzene	0.967	mg/kg	0.0024	ND
1,2,4-Trichlorobenzene	0.967	mg/kg	0.0024	ND
1,2-Dibromo-3-chloropropane	0.967	mg/kg	0.0024	ND
1,2-Dibromoethane	0.967	mg/kg	0.0012	ND
1,2-Dichlorobenzene	0.967	mg/kg	0.0024	ND
1,2-Dichloroethane	0.967	mg/kg	0.0024	ND
1,2-Dichloropropane	0.967	mg/kg	0.0024	ND
1,3-Dichlorobenzene	0.967	mg/kg	0.0024	ND
1,3-Dichloropropene (Total)	0.967	mg/kg	0.0024	ND
1,4-Dichlorobenzene	0.967	mg/kg	0.0024	ND
1,4-Dioxane	0.967	mg/kg	0.12	ND
2-Butanone	**0.967**	**mg/kg**	**0.0024**	**0.016**
2-Hexanone	0.967	mg/kg	0.0024	ND
4-Methyl-2-pentanone	0.967	mg/kg	0.0024	ND
Acetone	**0.967**	**mg/kg**	**0.012**	**0.072**
Benzene	0.967	mg/kg	0.0012	ND
Bromochloromethane	0.967	mg/kg	0.0024	ND
Bromodichloromethane	0.967	mg/kg	0.0024	ND
Bromoform	0.967	mg/kg	0.0024	ND
Bromomethane	0.967	mg/kg	0.0024	ND
Carbon disulfide	0.967	mg/kg	0.0061	ND

Sample ID: SB-02-7.5-8.0' **Collection Date:** 12/3/2024
Lab#: AD48506-006 **Receipt Date:** 12/4/2024
Matrix: Soil

Carbon tetrachloride	0.967	mg/kg	0.0024	ND
Chlorobenzene	0.967	mg/kg	0.0024	ND
Chloroethane	0.967	mg/kg	0.0024	ND
Chloroform	0.967	mg/kg	0.0024	ND
Chloromethane	0.967	mg/kg	0.0024	ND
cis-1,2-Dichloroethene	0.967	mg/kg	0.0024	ND
cis-1,3-Dichloropropene	0.967	mg/kg	0.0024	ND
Cyclohexane	0.967	mg/kg	0.0024	ND
Dibromochloromethane	0.967	mg/kg	0.0024	ND
Dichlorodifluoromethane	0.967	mg/kg	0.0024	ND
Ethylbenzene	0.967	mg/kg	0.0012	ND
Isopropylbenzene	0.967	mg/kg	0.0012	ND
m&p-Xylenes	0.967	mg/kg	0.0017	ND
Methyl Acetate	0.967	mg/kg	0.0024	ND
Methylcyclohexane	0.967	mg/kg	0.0024	ND
Methylene chloride	**0.967**	**mg/kg**	**0.0024**	**0.038**
Methyl-t-butyl ether	0.967	mg/kg	0.0012	ND
o-Xylene	0.967	mg/kg	0.0012	ND
Styrene	0.967	mg/kg	0.0024	ND
Tetrachloroethene	0.967	mg/kg	0.0024	ND
Toluene	0.967	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	0.967	mg/kg	0.0024	ND
trans-1,3-Dichloropropene	0.967	mg/kg	0.0024	ND
Trichloroethene	0.967	mg/kg	0.0024	ND
Trichlorofluoromethane	0.967	mg/kg	0.0024	ND
Vinyl chloride	0.967	mg/kg	0.0024	ND
Xylenes (Total)	0.967	mg/kg	0.0012	ND

Sample ID: SB-03-7.5-8.0' **Collection Date:** 12/3/2024
Lab#: AD48506-007 **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		62

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.13	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0081	ND
Aldrin	1	mg/kg	0.0081	ND
Alpha-BHC	1	mg/kg	0.0016	ND
beta-BHC	1	mg/kg	0.0016	ND
Chlordane (Total)	1	mg/kg	0.0081	ND
delta-BHC	1	mg/kg	0.0081	ND
Dieldrin	1	mg/kg	0.0016	ND
Endosulfan I	1	mg/kg	0.0081	ND
Endosulfan II	1	mg/kg	0.0081	ND
Endosulfan Sulfate	1	mg/kg	0.0081	ND
Endrin	1	mg/kg	0.0081	ND
Endrin Aldehyde	1	mg/kg	0.0081	ND
Endrin Ketone	1	mg/kg	0.0081	ND
gamma-BHC	1	mg/kg	0.0016	ND
Heptachlor	1	mg/kg	0.0081	ND
Heptachlor Epoxide	1	mg/kg	0.0081	ND
Methoxychlor	1	mg/kg	0.0081	ND
p,p'-DDD	1	mg/kg	0.0040	ND
p,p'-DDE	1	mg/kg	0.0040	ND
p,p'-DDT	1	mg/kg	0.0040	ND
Toxaphene	1	mg/kg	0.040	ND
y-Chlordane	1	mg/kg	0.0081	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.040	ND
Aroclor-1016	1	mg/kg	0.040	ND
Aroclor-1221	1	mg/kg	0.040	ND
Aroclor-1232	1	mg/kg	0.040	ND
Aroclor-1242	1	mg/kg	0.040	ND
Aroclor-1248	1	mg/kg	0.040	ND
Aroclor-1254	1	mg/kg	0.040	ND
Aroclor-1260	1	mg/kg	0.040	ND
Aroclor-1262	1	mg/kg	0.040	ND
Aroclor-1268	1	mg/kg	0.040	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.054	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.054	ND
1,4-Dioxane	1	mg/kg	0.054	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.054	ND
2,4,5-Trichlorophenol	1	mg/kg	0.054	ND
2,4,6-Trichlorophenol	1	mg/kg	0.054	ND
2,4-Dichlorophenol	1	mg/kg	0.054	ND
2,4-Dimethylphenol	1	mg/kg	0.054	ND
2,4-Dinitrophenol	1	mg/kg	0.27	ND

Sample ID:	**SB-03-7.5-8.0'**
Lab#:	**AD48506-007**
Matrix:	**Soil**
Collection Date:	**12/3/2024**
Receipt Date:	**12/4/2024**

2,4-Dinitrotoluene	1	mg/kg	0.054	ND
2,6-Dinitrotoluene	1	mg/kg	0.054	ND
2-Chloronaphthalene	1	mg/kg	0.054	ND
2-Chlorophenol	1	mg/kg	0.054	ND
2-Methylnaphthalene	1	mg/kg	0.054	ND
2-Methylphenol	1	mg/kg	0.054	ND
2-Nitroaniline	1	mg/kg	0.054	ND
2-Nitrophenol	1	mg/kg	0.054	ND
3&4-Methylphenol	1	mg/kg	0.054	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.054	ND
3-Nitroaniline	1	mg/kg	0.054	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.27	ND
4-Bromophenyl-phenylether	1	mg/kg	0.054	ND
4-Chloro-3-methylphenol	1	mg/kg	0.054	ND
4-Chloroaniline	1	mg/kg	0.054	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.054	ND
4-Nitroaniline	1	mg/kg	0.054	ND
4-Nitrophenol	1	mg/kg	0.054	ND
Acenaphthene	1	mg/kg	0.054	ND
Acenaphthylene	1	mg/kg	0.054	ND
Acetophenone	1	mg/kg	0.054	ND
Anthracene	1	mg/kg	0.054	ND
Atrazine	1	mg/kg	0.054	ND
Benzaldehyde	1	mg/kg	0.054	ND
Benzo[a]anthracene	1	mg/kg	0.054	ND
Benzo[a]pyrene	1	mg/kg	0.054	ND
Benzo[b]fluoranthene	1	mg/kg	0.054	ND
Benzo[g,h,i]perylene	1	mg/kg	0.054	ND
Benzo[k]fluoranthene	1	mg/kg	0.054	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.054	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.020	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.054	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.054	ND
Butylbenzylphthalate	1	mg/kg	0.054	ND
Caprolactam	1	mg/kg	0.054	ND
Carbazole	1	mg/kg	0.054	ND
Chrysene	1	mg/kg	0.054	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.054	ND
Dibenzofuran	1	mg/kg	0.054	ND
Diethylphthalate	1	mg/kg	0.054	ND
Dimethylphthalate	1	mg/kg	0.054	ND
Di-n-butylphthalate	1	mg/kg	0.27	ND
Di-n-octylphthalate	1	mg/kg	0.054	ND
Fluoranthene	1	mg/kg	0.054	ND
Fluorene	1	mg/kg	0.054	ND
Hexachlorobenzene	1	mg/kg	0.054	ND
Hexachlorobutadiene	1	mg/kg	0.054	ND
Hexachlorocyclopentadiene	1	mg/kg	0.27	ND
Hexachloroethane	1	mg/kg	0.054	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.054	ND
Isophorone	1	mg/kg	0.054	ND
Naphthalene	1	mg/kg	0.054	ND
Nitrobenzene	1	mg/kg	0.054	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.054	ND
N-Nitrosodiphenylamine	1	mg/kg	0.054	ND
Pentachlorophenol	1	mg/kg	0.27	ND
Phenanthrene	1	mg/kg	0.054	ND

Sample ID: SB-03-7.5-8.0' **Collection Date:** 12/3/2024
Lab#: AD48506-007 **Receipt Date:** 12/4/2024
Matrix: Soil

Phenol	1	mg/kg	0.054	ND
Pyrene	1	mg/kg	0.054	ND

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**32**	**13000**
Antimony	1	mg/kg	0.48	ND
Arsenic	**1**	**mg/kg**	**0.32**	**9.6**
Barium	**1**	**mg/kg**	**0.81**	**85**
Beryllium	**1**	**mg/kg**	**0.16**	**0.67**
Cadmium	1	mg/kg	0.32	ND
Calcium	**1**	**mg/kg**	**160**	**7000**
Chromium	**1**	**mg/kg**	**0.32**	**32**
Cobalt	**1**	**mg/kg**	**0.32**	**10**
Copper	**1**	**mg/kg**	**1.6**	**37**
Iron	**1**	**mg/kg**	**48**	**31000**
Lead	**1**	**mg/kg**	**0.48**	**77**
Magnesium	**1**	**mg/kg**	**160**	**7000**
Manganese	**5**	**mg/kg**	**8.1**	**1000**
Nickel	**1**	**mg/kg**	**1.6**	**23**
Potassium	**1**	**mg/kg**	**160**	**3300**
Selenium	**1**	**mg/kg**	**1.6**	**3.6**
Silver	1	mg/kg	0.32	ND
Sodium	**1**	**mg/kg**	**160**	**610**
Thallium	1	mg/kg	0.32	ND
Vanadium	**1**	**mg/kg**	**0.32**	**40**
Zinc	**1**	**mg/kg**	**6.5**	**150**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.988	mg/kg	0.0032	ND
1,1,2,2-Tetrachloroethane	0.988	mg/kg	0.0032	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.988	mg/kg	0.0032	ND
1,1,2-Trichloroethane	0.988	mg/kg	0.0032	ND
1,1-Dichloroethane	0.988	mg/kg	0.0032	ND
1,1-Dichloroethene	0.988	mg/kg	0.0032	ND
1,2,3-Trichlorobenzene	0.988	mg/kg	0.0032	ND
1,2,4-Trichlorobenzene	0.988	mg/kg	0.0032	ND
1,2-Dibromo-3-chloropropane	0.988	mg/kg	0.0032	ND
1,2-Dibromoethane	0.988	mg/kg	0.0016	ND
1,2-Dichlorobenzene	0.988	mg/kg	0.0032	ND
1,2-Dichloroethane	0.988	mg/kg	0.0032	ND
1,2-Dichloropropane	0.988	mg/kg	0.0032	ND
1,3-Dichlorobenzene	0.988	mg/kg	0.0032	ND
1,3-Dichloropropene (Total)	0.988	mg/kg	0.0032	ND
1,4-Dichlorobenzene	0.988	mg/kg	0.0032	ND
1,4-Dioxane	0.988	mg/kg	0.16	ND
2-Butanone	**0.988**	**mg/kg**	**0.0032**	**0.016**
2-Hexanone	0.988	mg/kg	0.0032	ND
4-Methyl-2-pentanone	0.988	mg/kg	0.0032	ND
Acetone	**0.988**	**mg/kg**	**0.016**	**0.080**
Benzene	0.988	mg/kg	0.0016	ND
Bromochloromethane	0.988	mg/kg	0.0032	ND
Bromodichloromethane	0.988	mg/kg	0.0032	ND
Bromoform	0.988	mg/kg	0.0032	ND
Bromomethane	0.988	mg/kg	0.0032	ND
Carbon disulfide	**0.988**	**mg/kg**	**0.0080**	**0.011**

Sample ID:	**SB-03-7.5-8.0'**			**Collection Date:**	**12/3/2024**
Lab#:	**AD48506-007**			**Receipt Date:**	**12/4/2024**
Matrix:	**Soil**				

Carbon tetrachloride	0.988	mg/kg	0.0032	ND
Chlorobenzene	0.988	mg/kg	0.0032	ND
Chloroethane	0.988	mg/kg	0.0032	ND
Chloroform	0.988	mg/kg	0.0032	ND
Chloromethane	0.988	mg/kg	0.0032	ND
cis-1,2-Dichloroethene	0.988	mg/kg	0.0032	ND
cis-1,3-Dichloropropene	0.988	mg/kg	0.0032	ND
Cyclohexane	0.988	mg/kg	0.0032	ND
Dibromochloromethane	0.988	mg/kg	0.0032	ND
Dichlorodifluoromethane	0.988	mg/kg	0.0032	ND
Ethylbenzene	0.988	mg/kg	0.0016	ND
Isopropylbenzene	0.988	mg/kg	0.0016	ND
m&p-Xylenes	0.988	mg/kg	0.0022	ND
Methyl Acetate	0.988	mg/kg	0.0032	ND
Methylcyclohexane	0.988	mg/kg	0.0032	ND
Methylene chloride	**0.988**	**mg/kg**	**0.0032**	**0.095**
Methyl-t-butyl ether	0.988	mg/kg	0.0016	ND
o-Xylene	0.988	mg/kg	0.0016	ND
Styrene	0.988	mg/kg	0.0032	ND
Tetrachloroethene	0.988	mg/kg	0.0032	ND
Toluene	0.988	mg/kg	0.0016	ND
trans-1,2-Dichloroethene	0.988	mg/kg	0.0032	ND
trans-1,3-Dichloropropene	0.988	mg/kg	0.0032	ND
Trichloroethene	0.988	mg/kg	0.0032	ND
Trichlorofluoromethane	0.988	mg/kg	0.0032	ND
Vinyl chloride	0.988	mg/kg	0.0032	ND
Xylenes (Total)	0.988	mg/kg	0.0016	ND

Sample ID: SB-04-7.5-8.0 **Collection Date:** 12/3/2024
Lab#: AD48506-008 **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		57

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.15	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0088	ND
Aldrin	1	mg/kg	0.0088	ND
Alpha-BHC	1	mg/kg	0.0018	ND
beta-BHC	1	mg/kg	0.0018	ND
Chlordane (Total)	1	mg/kg	0.0088	ND
delta-BHC	1	mg/kg	0.0088	ND
Dieldrin	1	mg/kg	0.0018	ND
Endosulfan I	1	mg/kg	0.0088	ND
Endosulfan II	1	mg/kg	0.0088	ND
Endosulfan Sulfate	1	mg/kg	0.0088	ND
Endrin	1	mg/kg	0.0088	ND
Endrin Aldehyde	1	mg/kg	0.0088	ND
Endrin Ketone	1	mg/kg	0.0088	ND
gamma-BHC	1	mg/kg	0.0018	ND
Heptachlor	1	mg/kg	0.0088	ND
Heptachlor Epoxide	1	mg/kg	0.0088	ND
Methoxychlor	1	mg/kg	0.0088	ND
p,p'-DDD	1	mg/kg	0.0044	ND
p,p'-DDE	1	mg/kg	0.0044	ND
p,p'-DDT	1	mg/kg	0.0044	ND
Toxaphene	1	mg/kg	0.044	ND
y-Chlordane	1	mg/kg	0.0088	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.044	ND
Aroclor-1016	1	mg/kg	0.044	ND
Aroclor-1221	1	mg/kg	0.044	ND
Aroclor-1232	1	mg/kg	0.044	ND
Aroclor-1242	1	mg/kg	0.044	ND
Aroclor-1248	1	mg/kg	0.044	ND
Aroclor-1254	1	mg/kg	0.044	ND
Aroclor-1260	1	mg/kg	0.044	ND
Aroclor-1262	1	mg/kg	0.044	ND
Aroclor-1268	1	mg/kg	0.044	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.058	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.058	ND
1,4-Dioxane	1	mg/kg	0.058	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.058	ND
2,4,5-Trichlorophenol	1	mg/kg	0.058	ND
2,4,6-Trichlorophenol	1	mg/kg	0.058	ND
2,4-Dichlorophenol	1	mg/kg	0.058	ND
2,4-Dimethylphenol	1	mg/kg	0.058	ND
2,4-Dinitrophenol	1	mg/kg	0.29	ND

Sample ID: SB-04-7.5-8.0	**Collection Date:** 12/3/2024
Lab#: AD48506-008	**Receipt Date:** 12/4/2024
Matrix: Soil	

2,4-Dinitrotoluene	1	mg/kg	0.058	ND
2,6-Dinitrotoluene	1	mg/kg	0.058	ND
2-Chloronaphthalene	1	mg/kg	0.058	ND
2-Chlorophenol	1	mg/kg	0.058	ND
2-Methylnaphthalene	1	mg/kg	0.058	ND
2-Methylphenol	1	mg/kg	0.058	ND
2-Nitroaniline	1	mg/kg	0.058	ND
2-Nitrophenol	1	mg/kg	0.058	ND
3&4-Methylphenol	1	mg/kg	0.058	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.058	ND
3-Nitroaniline	1	mg/kg	0.058	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.29	ND
4-Bromophenyl-phenylether	1	mg/kg	0.058	ND
4-Chloro-3-methylphenol	1	mg/kg	0.058	ND
4-Chloroaniline	1	mg/kg	0.058	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.058	ND
4-Nitroaniline	1	mg/kg	0.058	ND
4-Nitrophenol	1	mg/kg	0.058	ND
Acenaphthene	1	mg/kg	0.058	ND
Acenaphthylene	1	mg/kg	0.058	ND
Acetophenone	1	mg/kg	0.058	ND
Anthracene	1	mg/kg	0.058	ND
Atrazine	1	mg/kg	0.058	ND
Benzaldehyde	1	mg/kg	0.058	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.058**	**0.14**
Benzo[a]pyrene	**1**	**mg/kg**	**0.058**	**0.12**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.058**	**0.16**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.058**	**0.076**
Benzo[k]fluoranthene	1	mg/kg	0.058	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.058	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.022	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.058	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.058	ND
Butylbenzylphthalate	1	mg/kg	0.058	ND
Caprolactam	1	mg/kg	0.058	ND
Carbazole	1	mg/kg	0.058	ND
Chrysene	**1**	**mg/kg**	**0.058**	**0.14**
Dibenzo[a,h]anthracene	1	mg/kg	0.058	ND
Dibenzofuran	1	mg/kg	0.058	ND
Diethylphthalate	1	mg/kg	0.058	ND
Dimethylphthalate	1	mg/kg	0.058	ND
Di-n-butylphthalate	1	mg/kg	0.29	ND
Di-n-octylphthalate	1	mg/kg	0.058	ND
Fluoranthene	**1**	**mg/kg**	**0.058**	**0.30**
Fluorene	1	mg/kg	0.058	ND
Hexachlorobenzene	1	mg/kg	0.058	ND
Hexachlorobutadiene	1	mg/kg	0.058	ND
Hexachlorocyclopentadiene	1	mg/kg	0.29	ND
Hexachloroethane	1	mg/kg	0.058	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.058**	**0.082**
Isophorone	1	mg/kg	0.058	ND
Naphthalene	1	mg/kg	0.058	ND
Nitrobenzene	1	mg/kg	0.058	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.058	ND
N-Nitrosodiphenylamine	1	mg/kg	0.058	ND
Pentachlorophenol	1	mg/kg	0.29	ND
Phenanthrene	**1**	**mg/kg**	**0.058**	**0.19**

Sample ID:	**SB-04-7.5-8.0**	**Collection Date:**	**12/3/2024**
Lab#:	**AD48506-008**	**Receipt Date:**	**12/4/2024**
Matrix:	**Soil**		

Phenol	1	mg/kg	0.058	ND
Pyrene	**1**	**mg/kg**	**0.058**	**0.26**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**36**	**16000**
Antimony	1	mg/kg	0.54	ND
Arsenic	**1**	**mg/kg**	**0.36**	**10**
Barium	**1**	**mg/kg**	**0.90**	**75**
Beryllium	**1**	**mg/kg**	**0.18**	**0.81**
Cadmium	1	mg/kg	0.36	ND
Calcium	**1**	**mg/kg**	**180**	**15000**
Chromium	**1**	**mg/kg**	**0.36**	**39**
Cobalt	**1**	**mg/kg**	**0.36**	**12**
Copper	**1**	**mg/kg**	**1.8**	**27**
Iron	**1**	**mg/kg**	**54**	**37000**
Lead	**1**	**mg/kg**	**0.54**	**44**
Magnesium	**1**	**mg/kg**	**180**	**7900**
Manganese	**5**	**mg/kg**	**9.0**	**1000**
Nickel	**1**	**mg/kg**	**1.8**	**26**
Potassium	**1**	**mg/kg**	**180**	**3800**
Selenium	**1**	**mg/kg**	**1.8**	**4.2**
Silver	1	mg/kg	0.36	ND
Sodium	**1**	**mg/kg**	**180**	**330**
Thallium	1	mg/kg	0.36	ND
Vanadium	**1**	**mg/kg**	**0.36**	**44**
Zinc	**1**	**mg/kg**	**7.2**	**98**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.924	mg/kg	0.0032	ND
1,1,2,2-Tetrachloroethane	0.924	mg/kg	0.0032	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.924	mg/kg	0.0032	ND
1,1,2-Trichloroethane	0.924	mg/kg	0.0032	ND
1,1-Dichloroethane	0.924	mg/kg	0.0032	ND
1,1-Dichloroethene	0.924	mg/kg	0.0032	ND
1,2,3-Trichlorobenzene	0.924	mg/kg	0.0032	ND
1,2,4-Trichlorobenzene	0.924	mg/kg	0.0032	ND
1,2-Dibromo-3-chloropropane	0.924	mg/kg	0.0032	ND
1,2-Dibromoethane	0.924	mg/kg	0.0016	ND
1,2-Dichlorobenzene	0.924	mg/kg	0.0032	ND
1,2-Dichloroethane	0.924	mg/kg	0.0032	ND
1,2-Dichloropropane	0.924	mg/kg	0.0032	ND
1,3-Dichlorobenzene	0.924	mg/kg	0.0032	ND
1,3-Dichloropropene (Total)	0.924	mg/kg	0.0032	ND
1,4-Dichlorobenzene	0.924	mg/kg	0.0032	ND
1,4-Dioxane	0.924	mg/kg	0.16	ND
2-Butanone	**0.924**	**mg/kg**	**0.0032**	**0.016**
2-Hexanone	0.924	mg/kg	0.0032	ND
4-Methyl-2-pentanone	0.924	mg/kg	0.0032	ND
Acetone	**0.924**	**mg/kg**	**0.016**	**0.074**
Benzene	0.924	mg/kg	0.0016	ND
Bromochloromethane	0.924	mg/kg	0.0032	ND
Bromodichloromethane	0.924	mg/kg	0.0032	ND
Bromoform	0.924	mg/kg	0.0032	ND
Bromomethane	0.924	mg/kg	0.0032	ND
Carbon disulfide	**0.924**	**mg/kg**	**0.0081**	**0.0087**

Sample ID: SB-04-7.5-8.0 **Collection Date:** 12/3/2024
Lab#: AD48506-008 **Receipt Date:** 12/4/2024
Matrix: Soil

Carbon tetrachloride	0.924	mg/kg	0.0032	ND
Chlorobenzene	0.924	mg/kg	0.0032	ND
Chloroethane	0.924	mg/kg	0.0032	ND
Chloroform	0.924	mg/kg	0.0032	ND
Chloromethane	0.924	mg/kg	0.0032	ND
cis-1,2-Dichloroethene	0.924	mg/kg	0.0032	ND
cis-1,3-Dichloropropene	0.924	mg/kg	0.0032	ND
Cyclohexane	0.924	mg/kg	0.0032	ND
Dibromochloromethane	0.924	mg/kg	0.0032	ND
Dichlorodifluoromethane	0.924	mg/kg	0.0032	ND
Ethylbenzene	0.924	mg/kg	0.0016	ND
Isopropylbenzene	0.924	mg/kg	0.0016	ND
m&p-Xylenes	0.924	mg/kg	0.0023	ND
Methyl Acetate	0.924	mg/kg	0.0032	ND
Methylcyclohexane	0.924	mg/kg	0.0032	ND
Methylene chloride	**0.924**	**mg/kg**	**0.0032**	**0.11**
Methyl-t-butyl ether	0.924	mg/kg	0.0016	ND
o-Xylene	0.924	mg/kg	0.0016	ND
Styrene	0.924	mg/kg	0.0032	ND
Tetrachloroethene	0.924	mg/kg	0.0032	ND
Toluene	0.924	mg/kg	0.0016	ND
trans-1,2-Dichloroethene	0.924	mg/kg	0.0032	ND
trans-1,3-Dichloropropene	0.924	mg/kg	0.0032	ND
Trichloroethene	0.924	mg/kg	0.0032	ND
Trichlorofluoromethane	0.924	mg/kg	0.0032	ND
Vinyl chloride	0.924	mg/kg	0.0032	ND
Xylenes (Total)	0.924	mg/kg	0.0016	ND

Sample ID: SB-06-7.5-8.0' **Collection Date:** 12/3/2024
Lab#: AD48506-009 **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		67

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.12	1.8

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0075	ND
Aldrin	1	mg/kg	0.0075	ND
Alpha-BHC	1	mg/kg	0.0015	ND
beta-BHC	1	mg/kg	0.0015	ND
Chlordane (Total)	1	mg/kg	0.0075	ND
delta-BHC	1	mg/kg	0.0075	ND
Dieldrin	1	mg/kg	0.0015	ND
Endosulfan I	1	mg/kg	0.0075	ND
Endosulfan II	1	mg/kg	0.0075	ND
Endosulfan Sulfate	1	mg/kg	0.0075	ND
Endrin	1	mg/kg	0.0075	ND
Endrin Aldehyde	1	mg/kg	0.0075	ND
Endrin Ketone	1	mg/kg	0.0075	ND
gamma-BHC	1	mg/kg	0.0015	ND
Heptachlor	1	mg/kg	0.0075	ND
Heptachlor Epoxide	1	mg/kg	0.0075	ND
Methoxychlor	1	mg/kg	0.0075	ND
p,p'-DDD	1	mg/kg	0.0037	ND
p,p'-DDE	1	mg/kg	0.0037	ND
p,p'-DDT	1	mg/kg	0.0037	ND
Toxaphene	1	mg/kg	0.037	ND
y-Chlordane	1	mg/kg	0.0075	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.037	ND
Aroclor-1016	1	mg/kg	0.037	ND
Aroclor-1221	1	mg/kg	0.037	ND
Aroclor-1232	1	mg/kg	0.037	ND
Aroclor-1242	1	mg/kg	0.037	ND
Aroclor-1248	1	mg/kg	0.037	ND
Aroclor-1254	1	mg/kg	0.037	ND
Aroclor-1260	1	mg/kg	0.037	ND
Aroclor-1262	1	mg/kg	0.037	ND
Aroclor-1268	1	mg/kg	0.037	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.050	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.050	ND
1,4-Dioxane	1	mg/kg	0.050	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.050	ND
2,4,5-Trichlorophenol	1	mg/kg	0.050	ND
2,4,6-Trichlorophenol	1	mg/kg	0.050	ND
2,4-Dichlorophenol	1	mg/kg	0.050	ND
2,4-Dimethylphenol	1	mg/kg	0.050	ND
2,4-Dinitrophenol	1	mg/kg	0.25	ND

Sample ID:	**SB-06-7.5-8.0'**
Lab#:	**AD48506-009**
Matrix:	**Soil**
Collection Date:	**12/3/2024**
Receipt Date:	**12/4/2024**

2,4-Dinitrotoluene	1	mg/kg	0.050	ND
2,6-Dinitrotoluene	1	mg/kg	0.050	ND
2-Chloronaphthalene	1	mg/kg	0.050	ND
2-Chlorophenol	1	mg/kg	0.050	ND
2-Methylnaphthalene	1	mg/kg	0.050	ND
2-Methylphenol	1	mg/kg	0.050	ND
2-Nitroaniline	1	mg/kg	0.050	ND
2-Nitrophenol	1	mg/kg	0.050	ND
3&4-Methylphenol	1	mg/kg	0.050	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.050	ND
3-Nitroaniline	1	mg/kg	0.050	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.25	ND
4-Bromophenyl-phenylether	1	mg/kg	0.050	ND
4-Chloro-3-methylphenol	1	mg/kg	0.050	ND
4-Chloroaniline	1	mg/kg	0.050	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.050	ND
4-Nitroaniline	1	mg/kg	0.050	ND
4-Nitrophenol	1	mg/kg	0.050	ND
Acenaphthene	1	mg/kg	0.050	ND
Acenaphthylene	1	mg/kg	0.050	ND
Acetophenone	1	mg/kg	0.050	ND
Anthracene	**1**	**mg/kg**	**0.050**	**0.17**
Atrazine	1	mg/kg	0.050	ND
Benzaldehyde	1	mg/kg	0.050	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.050**	**0.42**
Benzo[a]pyrene	**1**	**mg/kg**	**0.050**	**0.43**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.050**	**0.57**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.050**	**0.30**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.050**	**0.16**
bis(2-Chloroethoxy)methane	1	mg/kg	0.050	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.019	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.050	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.050	ND
Butylbenzylphthalate	1	mg/kg	0.050	ND
Caprolactam	1	mg/kg	0.050	ND
Carbazole	1	mg/kg	0.050	ND
Chrysene	**1**	**mg/kg**	**0.050**	**0.42**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.050**	**0.075**
Dibenzofuran	1	mg/kg	0.050	ND
Diethylphthalate	1	mg/kg	0.050	ND
Dimethylphthalate	1	mg/kg	0.050	ND
Di-n-butylphthalate	1	mg/kg	0.25	ND
Di-n-octylphthalate	1	mg/kg	0.050	ND
Fluoranthene	**1**	**mg/kg**	**0.050**	**0.87**
Fluorene	**1**	**mg/kg**	**0.050**	**0.079**
Hexachlorobenzene	1	mg/kg	0.050	ND
Hexachlorobutadiene	1	mg/kg	0.050	ND
Hexachlorocyclopentadiene	1	mg/kg	0.25	ND
Hexachloroethane	1	mg/kg	0.050	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.050**	**0.31**
Isophorone	1	mg/kg	0.050	ND
Naphthalene	1	mg/kg	0.050	ND
Nitrobenzene	1	mg/kg	0.050	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.050	ND
N-Nitrosodiphenylamine	1	mg/kg	0.050	ND
Pentachlorophenol	1	mg/kg	0.25	ND
Phenanthrene	**1**	**mg/kg**	**0.050**	**0.71**

Sample ID: SB-06-7.5-8.0' **Collection Date:** 12/3/2024
Lab#: AD48506-009 **Receipt Date:** 12/4/2024
Matrix: Soil

Phenol	1	mg/kg	0.050	ND
Pyrene	**1**	**mg/kg**	**0.050**	**0.77**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**30**	**8000**
Antimony	**1**	**mg/kg**	**0.45**	**2.0**
Arsenic	**1**	**mg/kg**	**0.30**	**16**
Barium	**1**	**mg/kg**	**0.75**	**330**
Beryllium	**1**	**mg/kg**	**0.15**	**0.51**
Cadmium	**1**	**mg/kg**	**0.30**	**3.6**
Calcium	**1**	**mg/kg**	**150**	**3900**
Chromium	**1**	**mg/kg**	**0.30**	**25**
Cobalt	**1**	**mg/kg**	**0.30**	**7.0**
Copper	**25**	**mg/kg**	**37**	**9200**
Iron	**1**	**mg/kg**	**45**	**25000**
Lead	**1**	**mg/kg**	**0.45**	**460**
Magnesium	**1**	**mg/kg**	**150**	**3700**
Manganese	**1**	**mg/kg**	**1.5**	**260**
Nickel	**1**	**mg/kg**	**1.5**	**24**
Potassium	**1**	**mg/kg**	**150**	**1800**
Selenium	**1**	**mg/kg**	**1.5**	**2.9**
Silver	**1**	**mg/kg**	**0.30**	**0.85**
Sodium	**1**	**mg/kg**	**150**	**460**
Thallium	1	mg/kg	0.30	ND
Vanadium	**1**	**mg/kg**	**0.30**	**28**
Zinc	**25**	**mg/kg**	**150**	**2300**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.904	mg/kg	0.0027	ND
1,1,2,2-Tetrachloroethane	0.904	mg/kg	0.0027	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.904	mg/kg	0.0027	ND
1,1,2-Trichloroethane	0.904	mg/kg	0.0027	ND
1,1-Dichloroethane	0.904	mg/kg	0.0027	ND
1,1-Dichloroethene	0.904	mg/kg	0.0027	ND
1,2,3-Trichlorobenzene	0.904	mg/kg	0.0027	ND
1,2,4-Trichlorobenzene	0.904	mg/kg	0.0027	ND
1,2-Dibromo-3-chloropropane	0.904	mg/kg	0.0027	ND
1,2-Dibromoethane	0.904	mg/kg	0.0013	ND
1,2-Dichlorobenzene	0.904	mg/kg	0.0027	ND
1,2-Dichloroethane	0.904	mg/kg	0.0027	ND
1,2-Dichloropropane	0.904	mg/kg	0.0027	ND
1,3-Dichlorobenzene	0.904	mg/kg	0.0027	ND
1,3-Dichloropropene (Total)	0.904	mg/kg	0.0027	ND
1,4-Dichlorobenzene	0.904	mg/kg	0.0027	ND
1,4-Dioxane	0.904	mg/kg	0.13	ND
2-Butanone	**0.904**	**mg/kg**	**0.0027**	**0.065**
2-Hexanone	0.904	mg/kg	0.0027	ND
4-Methyl-2-pentanone	0.904	mg/kg	0.0027	ND
Acetone	**0.904**	**mg/kg**	**0.013**	**0.26**
Benzene	0.904	mg/kg	0.0013	ND
Bromochloromethane	0.904	mg/kg	0.0027	ND
Bromodichloromethane	0.904	mg/kg	0.0027	ND
Bromoform	0.904	mg/kg	0.0027	ND
Bromomethane	0.904	mg/kg	0.0027	ND
Carbon disulfide	**0.904**	**mg/kg**	**0.0067**	**0.0072**

Sample ID: SB-06-7.5-8.0' **Collection Date:** 12/3/2024
Lab#: AD48506-009 **Receipt Date:** 12/4/2024
Matrix: Soil

Carbon tetrachloride	0.904	mg/kg	0.0027	ND
Chlorobenzene	0.904	mg/kg	0.0027	ND
Chloroethane	0.904	mg/kg	0.0027	ND
Chloroform	0.904	mg/kg	0.0027	ND
Chloromethane	0.904	mg/kg	0.0027	ND
cis-1,2-Dichloroethene	0.904	mg/kg	0.0027	ND
cis-1,3-Dichloropropene	0.904	mg/kg	0.0027	ND
Cyclohexane	0.904	mg/kg	0.0027	ND
Dibromochloromethane	0.904	mg/kg	0.0027	ND
Dichlorodifluoromethane	0.904	mg/kg	0.0027	ND
Ethylbenzene	0.904	mg/kg	0.0013	ND
Isopropylbenzene	0.904	mg/kg	0.0013	ND
m&p-Xylenes	0.904	mg/kg	0.0019	ND
Methyl Acetate	0.904	mg/kg	0.0027	ND
Methylcyclohexane	0.904	mg/kg	0.0027	ND
Methylene chloride	**0.904**	**mg/kg**	**0.0027**	**0.051**
Methyl-t-butyl ether	0.904	mg/kg	0.0013	ND
o-Xylene	0.904	mg/kg	0.0013	ND
Styrene	0.904	mg/kg	0.0027	ND
Tetrachloroethene	0.904	mg/kg	0.0027	ND
Toluene	0.904	mg/kg	0.0013	ND
trans-1,2-Dichloroethene	0.904	mg/kg	0.0027	ND
trans-1,3-Dichloropropene	0.904	mg/kg	0.0027	ND
Trichloroethene	0.904	mg/kg	0.0027	ND
Trichlorofluoromethane	0.904	mg/kg	0.0027	ND
Vinyl chloride	0.904	mg/kg	0.0027	ND
Xylenes (Total)	0.904	mg/kg	0.0013	ND

Sample ID: SB-23-9.5-10.0' **Collection Date:** 12/3/2024
Lab#: AD48506-010 **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		74

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.11	0.15

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0068	ND
Aldrin	1	mg/kg	0.0068	ND
Alpha-BHC	1	mg/kg	0.0014	ND
beta-BHC	1	mg/kg	0.0014	ND
Chlordane (Total)	1	mg/kg	0.0068	ND
delta-BHC	1	mg/kg	0.0068	ND
Dieldrin	1	mg/kg	0.0014	ND
Endosulfan I	1	mg/kg	0.0068	ND
Endosulfan II	1	mg/kg	0.0068	ND
Endosulfan Sulfate	1	mg/kg	0.0068	ND
Endrin	1	mg/kg	0.0068	ND
Endrin Aldehyde	1	mg/kg	0.0068	ND
Endrin Ketone	1	mg/kg	0.0068	ND
gamma-BHC	1	mg/kg	0.0014	ND
Heptachlor	1	mg/kg	0.0068	ND
Heptachlor Epoxide	1	mg/kg	0.0068	ND
Methoxychlor	1	mg/kg	0.0068	ND
p,p'-DDD	1	mg/kg	0.0034	ND
p,p'-DDE	1	mg/kg	0.0034	ND
p,p'-DDT	1	mg/kg	0.0034	ND
Toxaphene	1	mg/kg	0.034	ND
y-Chlordane	1	mg/kg	0.0068	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.034	ND
Aroclor-1016	1	mg/kg	0.034	ND
Aroclor-1221	1	mg/kg	0.034	ND
Aroclor-1232	1	mg/kg	0.034	ND
Aroclor-1242	1	mg/kg	0.034	ND
Aroclor-1248	1	mg/kg	0.034	ND
Aroclor-1254	1	mg/kg	0.034	ND
Aroclor-1260	1	mg/kg	0.034	ND
Aroclor-1262	1	mg/kg	0.034	ND
Aroclor-1268	1	mg/kg	0.034	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.045	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.045	ND
1,4-Dioxane	1	mg/kg	0.045	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.045	ND
2,4,5-Trichlorophenol	1	mg/kg	0.045	ND
2,4,6-Trichlorophenol	1	mg/kg	0.045	ND
2,4-Dichlorophenol	1	mg/kg	0.045	ND
2,4-Dimethylphenol	1	mg/kg	0.045	ND
2,4-Dinitrophenol	1	mg/kg	0.23	ND

Sample ID:	**SB-23-9.5-10.0'**
Lab#:	**AD48506-010**
Matrix:	**Soil**
Collection Date:	**12/3/2024**
Receipt Date:	**12/4/2024**

2,4-Dinitrotoluene	1	mg/kg	0.045	ND
2,6-Dinitrotoluene	1	mg/kg	0.045	ND
2-Chloronaphthalene	1	mg/kg	0.045	ND
2-Chlorophenol	1	mg/kg	0.045	ND
2-Methylnaphthalene	1	mg/kg	0.045	ND
2-Methylphenol	1	mg/kg	0.045	ND
2-Nitroaniline	1	mg/kg	0.045	ND
2-Nitrophenol	1	mg/kg	0.045	ND
3&4-Methylphenol	1	mg/kg	0.045	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.045	ND
3-Nitroaniline	1	mg/kg	0.045	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.23	ND
4-Bromophenyl-phenylether	1	mg/kg	0.045	ND
4-Chloro-3-methylphenol	1	mg/kg	0.045	ND
4-Chloroaniline	1	mg/kg	0.045	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.045	ND
4-Nitroaniline	1	mg/kg	0.045	ND
4-Nitrophenol	1	mg/kg	0.045	ND
Acenaphthene	1	mg/kg	0.045	ND
Acenaphthylene	1	mg/kg	0.045	ND
Acetophenone	1	mg/kg	0.045	ND
Anthracene	1	mg/kg	0.045	ND
Atrazine	1	mg/kg	0.045	ND
Benzaldehyde	1	mg/kg	0.045	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.045**	**0.050**
Benzo[a]pyrene	1	mg/kg	0.045	ND
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.045**	**0.070**
Benzo[g,h,i]perylene	1	mg/kg	0.045	ND
Benzo[k]fluoranthene	1	mg/kg	0.045	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.045	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.017	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.045	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.045	ND
Butylbenzylphthalate	1	mg/kg	0.045	ND
Caprolactam	1	mg/kg	0.045	ND
Carbazole	1	mg/kg	0.045	ND
Chrysene	**1**	**mg/kg**	**0.045**	**0.061**
Dibenzo[a,h]anthracene	1	mg/kg	0.045	ND
Dibenzofuran	1	mg/kg	0.045	ND
Diethylphthalate	1	mg/kg	0.045	ND
Dimethylphthalate	1	mg/kg	0.045	ND
Di-n-butylphthalate	1	mg/kg	0.23	ND
Di-n-octylphthalate	1	mg/kg	0.045	ND
Fluoranthene	**1**	**mg/kg**	**0.045**	**0.10**
Fluorene	1	mg/kg	0.045	ND
Hexachlorobenzene	1	mg/kg	0.045	ND
Hexachlorobutadiene	1	mg/kg	0.045	ND
Hexachlorocyclopentadiene	1	mg/kg	0.23	ND
Hexachloroethane	1	mg/kg	0.045	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.045	ND
Isophorone	1	mg/kg	0.045	ND
Naphthalene	1	mg/kg	0.045	ND
Nitrobenzene	1	mg/kg	0.045	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.045	ND
N-Nitrosodiphenylamine	1	mg/kg	0.045	ND
Pentachlorophenol	1	mg/kg	0.23	ND
Phenanthrene	1	mg/kg	0.045	ND

Sample ID: SB-23-9.5-10.0' **Collection Date:** 12/3/2024
Lab#: AD48506-010 **Receipt Date:** 12/4/2024
Matrix: Soil

Phenol	1	mg/kg	0.045	ND
Pyrene	**1**	**mg/kg**	**0.045**	**0.10**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**27**	**12000**
Antimony	1	mg/kg	0.41	ND
Arsenic	**1**	**mg/kg**	**0.27**	**3.3**
Barium	**1**	**mg/kg**	**0.68**	**66**
Beryllium	**1**	**mg/kg**	**0.14**	**0.46**
Cadmium	1	mg/kg	0.27	ND
Calcium	**1**	**mg/kg**	**140**	**8600**
Chromium	**1**	**mg/kg**	**0.27**	**28**
Cobalt	**1**	**mg/kg**	**0.27**	**7.1**
Copper	**1**	**mg/kg**	**1.4**	**48**
Iron	**1**	**mg/kg**	**41**	**20000**
Lead	**1**	**mg/kg**	**0.41**	**50**
Magnesium	**1**	**mg/kg**	**140**	**4700**
Manganese	**1**	**mg/kg**	**1.4**	**320**
Nickel	**1**	**mg/kg**	**1.4**	**20**
Potassium	**1**	**mg/kg**	**140**	**2300**
Selenium	**1**	**mg/kg**	**1.4**	**2.9**
Silver	1	mg/kg	0.27	ND
Sodium	**1**	**mg/kg**	**140**	**240**
Thallium	1	mg/kg	0.27	ND
Vanadium	**1**	**mg/kg**	**0.27**	**27**
Zinc	**1**	**mg/kg**	**5.4**	**97**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.874	mg/kg	0.0024	ND
1,1,2,2-Tetrachloroethane	0.874	mg/kg	0.0024	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.874	mg/kg	0.0024	ND
1,1,2-Trichloroethane	0.874	mg/kg	0.0024	ND
1,1-Dichloroethane	0.874	mg/kg	0.0024	ND
1,1-Dichloroethene	0.874	mg/kg	0.0024	ND
1,2,3-Trichlorobenzene	0.874	mg/kg	0.0024	ND
1,2,4-Trichlorobenzene	0.874	mg/kg	0.0024	ND
1,2-Dibromo-3-chloropropane	0.874	mg/kg	0.0024	ND
1,2-Dibromoethane	0.874	mg/kg	0.0012	ND
1,2-Dichlorobenzene	0.874	mg/kg	0.0024	ND
1,2-Dichloroethane	0.874	mg/kg	0.0024	ND
1,2-Dichloropropane	0.874	mg/kg	0.0024	ND
1,3-Dichlorobenzene	0.874	mg/kg	0.0024	ND
1,3-Dichloropropene (Total)	0.874	mg/kg	0.0024	ND
1,4-Dichlorobenzene	0.874	mg/kg	0.0024	ND
1,4-Dioxane	0.874	mg/kg	0.12	ND
2-Butanone	**0.874**	**mg/kg**	**0.0024**	**0.0096**
2-Hexanone	0.874	mg/kg	0.0024	ND
4-Methyl-2-pentanone	0.874	mg/kg	0.0024	ND
Acetone	**0.874**	**mg/kg**	**0.012**	**0.050**
Benzene	0.874	mg/kg	0.0012	ND
Bromochloromethane	0.874	mg/kg	0.0024	ND
Bromodichloromethane	0.874	mg/kg	0.0024	ND
Bromoform	0.874	mg/kg	0.0024	ND
Bromomethane	0.874	mg/kg	0.0024	ND
Carbon disulfide	0.874	mg/kg	0.0059	ND

Sample ID: SB-23-9.5-10.0' **Collection Date:** 12/3/2024
Lab#: AD48506-010 **Receipt Date:** 12/4/2024
Matrix: Soil

Carbon tetrachloride	0.874	mg/kg	0.0024	ND
Chlorobenzene	0.874	mg/kg	0.0024	ND
Chloroethane	0.874	mg/kg	0.0024	ND
Chloroform	0.874	mg/kg	0.0024	ND
Chloromethane	0.874	mg/kg	0.0024	ND
cis-1,2-Dichloroethene	0.874	mg/kg	0.0024	ND
cis-1,3-Dichloropropene	0.874	mg/kg	0.0024	ND
Cyclohexane	0.874	mg/kg	0.0024	ND
Dibromochloromethane	0.874	mg/kg	0.0024	ND
Dichlorodifluoromethane	0.874	mg/kg	0.0024	ND
Ethylbenzene	0.874	mg/kg	0.0012	ND
Isopropylbenzene	0.874	mg/kg	0.0012	ND
m&p-Xylenes	0.874	mg/kg	0.0017	ND
Methyl Acetate	0.874	mg/kg	0.0024	ND
Methylcyclohexane	0.874	mg/kg	0.0024	ND
Methylene chloride	**0.874**	**mg/kg**	**0.0024**	**0.091**
Methyl-t-butyl ether	0.874	mg/kg	0.0012	ND
o-Xylene	0.874	mg/kg	0.0012	ND
Styrene	0.874	mg/kg	0.0024	ND
Tetrachloroethene	0.874	mg/kg	0.0024	ND
Toluene	0.874	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	0.874	mg/kg	0.0024	ND
trans-1,3-Dichloropropene	0.874	mg/kg	0.0024	ND
Trichloroethene	0.874	mg/kg	0.0024	ND
Trichlorofluoromethane	0.874	mg/kg	0.0024	ND
Vinyl chloride	0.874	mg/kg	0.0024	ND
Xylenes (Total)	0.874	mg/kg	0.0012	ND

Sample ID: SB-25-9.5-10.0' **Collection Date:** 12/3/2024
Lab#: AD48506-011 **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		88

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.095	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0057	ND
Aldrin	1	mg/kg	0.0057	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane (Total)	1	mg/kg	0.0057	ND
delta-BHC	1	mg/kg	0.0057	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0057	ND
Endosulfan II	1	mg/kg	0.0057	ND
Endosulfan Sulfate	1	mg/kg	0.0057	ND
Endrin	1	mg/kg	0.0057	ND
Endrin Aldehyde	1	mg/kg	0.0057	ND
Endrin Ketone	1	mg/kg	0.0057	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0057	ND
Heptachlor Epoxide	1	mg/kg	0.0057	ND
Methoxychlor	1	mg/kg	0.0057	ND
p,p'-DDD	1	mg/kg	0.0028	ND
p,p'-DDE	1	mg/kg	0.0028	ND
p,p'-DDT	1	mg/kg	0.0028	ND
Toxaphene	1	mg/kg	0.028	ND
y-Chlordane	1	mg/kg	0.0057	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.028	ND
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	1	mg/kg	0.028	ND
Aroclor-1268	1	mg/kg	0.028	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.038	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.038	ND
1,4-Dioxane	1	mg/kg	0.038	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.038	ND
2,4,5-Trichlorophenol	1	mg/kg	0.038	ND
2,4,6-Trichlorophenol	1	mg/kg	0.038	ND
2,4-Dichlorophenol	1	mg/kg	0.038	ND
2,4-Dimethylphenol	1	mg/kg	0.038	ND
2,4-Dinitrophenol	1	mg/kg	0.19	ND

Sample ID: SB-25-9.5-10.0'	**Collection Date:** 12/3/2024
Lab#: AD48506-011	**Receipt Date:** 12/4/2024
Matrix: Soil	

2,4-Dinitrotoluene	1	mg/kg	0.038	ND
2,6-Dinitrotoluene	1	mg/kg	0.038	ND
2-Chloronaphthalene	1	mg/kg	0.038	ND
2-Chlorophenol	1	mg/kg	0.038	ND
2-Methylnaphthalene	1	mg/kg	0.038	ND
2-Methylphenol	1	mg/kg	0.038	ND
2-Nitroaniline	1	mg/kg	0.038	ND
2-Nitrophenol	1	mg/kg	0.038	ND
3&4-Methylphenol	1	mg/kg	0.038	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.038	ND
3-Nitroaniline	1	mg/kg	0.038	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.19	ND
4-Bromophenyl-phenylether	1	mg/kg	0.038	ND
4-Chloro-3-methylphenol	1	mg/kg	0.038	ND
4-Chloroaniline	1	mg/kg	0.038	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.038	ND
4-Nitroaniline	1	mg/kg	0.038	ND
4-Nitrophenol	1	mg/kg	0.038	ND
Acenaphthene	1	mg/kg	0.038	ND
Acenaphthylene	1	mg/kg	0.038	ND
Acetophenone	1	mg/kg	0.038	ND
Anthracene	1	mg/kg	0.038	ND
Atrazine	1	mg/kg	0.038	ND
Benzaldehyde	1	mg/kg	0.038	ND
Benzo[a]anthracene	1	mg/kg	0.038	ND
Benzo[a]pyrene	1	mg/kg	0.038	ND
Benzo[b]fluoranthene	1	mg/kg	0.038	ND
Benzo[g,h,i]perylene	1	mg/kg	0.038	ND
Benzo[k]fluoranthene	1	mg/kg	0.038	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.038	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.014	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.038	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.038	ND
Butylbenzylphthalate	1	mg/kg	0.038	ND
Caprolactam	1	mg/kg	0.038	ND
Carbazole	1	mg/kg	0.038	ND
Chrysene	1	mg/kg	0.038	ND
Dibenzo[a,h]anthracene	1	mg/kg	0.038	ND
Dibenzofuran	1	mg/kg	0.038	ND
Diethylphthalate	1	mg/kg	0.038	ND
Dimethylphthalate	1	mg/kg	0.038	ND
Di-n-butylphthalate	1	mg/kg	0.19	ND
Di-n-octylphthalate	1	mg/kg	0.038	ND
Fluoranthene	**1**	**mg/kg**	**0.038**	**0.041**
Fluorene	1	mg/kg	0.038	ND
Hexachlorobenzene	1	mg/kg	0.038	ND
Hexachlorobutadiene	1	mg/kg	0.038	ND
Hexachlorocyclopentadiene	1	mg/kg	0.19	ND
Hexachloroethane	1	mg/kg	0.038	ND
Indeno[1,2,3-cd]pyrene	1	mg/kg	0.038	ND
Isophorone	1	mg/kg	0.038	ND
Naphthalene	1	mg/kg	0.038	ND
Nitrobenzene	1	mg/kg	0.038	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.038	ND
N-Nitrosodiphenylamine	1	mg/kg	0.038	ND
Pentachlorophenol	1	mg/kg	0.19	ND
Phenanthrene	1	mg/kg	0.038	ND

Sample ID: SB-25-9.5-10.0' **Collection Date:** 12/3/2024
Lab#: AD48506-011 **Receipt Date:** 12/4/2024
Matrix: Soil

Phenol	1	mg/kg	0.038	ND
Pyrene	**1**	**mg/kg**	**0.038**	**0.041**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**23**	**5300**
Antimony	1	mg/kg	0.34	ND
Arsenic	**1**	**mg/kg**	**0.23**	**1.8**
Barium	**1**	**mg/kg**	**0.57**	**42**
Beryllium	**1**	**mg/kg**	**0.11**	**0.27**
Cadmium	1	mg/kg	0.23	ND
Calcium	**1**	**mg/kg**	**110**	**1100**
Chromium	**1**	**mg/kg**	**0.23**	**16**
Cobalt	**1**	**mg/kg**	**0.23**	**5.5**
Copper	**1**	**mg/kg**	**1.1**	**15**
Iron	**1**	**mg/kg**	**34**	**16000**
Lead	**1**	**mg/kg**	**0.34**	**31**
Magnesium	**1**	**mg/kg**	**110**	**1800**
Manganese	**1**	**mg/kg**	**1.1**	**360**
Nickel	**1**	**mg/kg**	**1.1**	**13**
Potassium	**1**	**mg/kg**	**110**	**1000**
Selenium	**1**	**mg/kg**	**1.1**	**1.7**
Silver	1	mg/kg	0.23	ND
Sodium	1	mg/kg	110	ND
Thallium	1	mg/kg	0.23	ND
Vanadium	**1**	**mg/kg**	**0.23**	**21**
Zinc	**1**	**mg/kg**	**4.5**	**30**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.98	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.98	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.98	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.98	mg/kg	0.0022	ND
1,1-Dichloroethane	0.98	mg/kg	0.0022	ND
1,1-Dichloroethene	0.98	mg/kg	0.0022	ND
1,2,3-Trichlorobenzene	0.98	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	0.98	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	0.98	mg/kg	0.0022	ND
1,2-Dibromoethane	0.98	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.98	mg/kg	0.0022	ND
1,2-Dichloroethane	0.98	mg/kg	0.0022	ND
1,2-Dichloropropane	0.98	mg/kg	0.0022	ND
1,3-Dichlorobenzene	0.98	mg/kg	0.0022	ND
1,3-Dichloropropene (Total)	0.98	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.98	mg/kg	0.0022	ND
1,4-Dioxane	0.98	mg/kg	0.11	ND
2-Butanone	**0.98**	**mg/kg**	**0.0022**	**0.017**
2-Hexanone	0.98	mg/kg	0.0022	ND
4-Methyl-2-pentanone	0.98	mg/kg	0.0022	ND
Acetone	**0.98**	**mg/kg**	**0.011**	**0.076**
Benzene	0.98	mg/kg	0.0011	ND
Bromochloromethane	0.98	mg/kg	0.0022	ND
Bromodichloromethane	0.98	mg/kg	0.0022	ND
Bromoform	0.98	mg/kg	0.0022	ND
Bromomethane	0.98	mg/kg	0.0022	ND
Carbon disulfide	0.98	mg/kg	0.0056	ND

Sample ID: SB-25-9.5-10.0' **Collection Date:** 12/3/2024
Lab#: AD48506-011 **Receipt Date:** 12/4/2024
Matrix: Soil

Carbon tetrachloride	0.98	mg/kg	0.0022	ND
Chlorobenzene	0.98	mg/kg	0.0022	ND
Chloroethane	0.98	mg/kg	0.0022	ND
Chloroform	0.98	mg/kg	0.0022	ND
Chloromethane	0.98	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.98	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.98	mg/kg	0.0022	ND
Cyclohexane	0.98	mg/kg	0.0022	ND
Dibromochloromethane	0.98	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.98	mg/kg	0.0022	ND
Ethylbenzene	0.98	mg/kg	0.0011	ND
Isopropylbenzene	0.98	mg/kg	0.0011	ND
m&p-Xylenes	0.98	mg/kg	0.0016	ND
Methyl Acetate	0.98	mg/kg	0.0022	ND
Methylcyclohexane	0.98	mg/kg	0.0022	ND
Methylene chloride	**0.98**	**mg/kg**	**0.0022**	**0.043**
Methyl-t-butyl ether	0.98	mg/kg	0.0011	ND
o-Xylene	0.98	mg/kg	0.0011	ND
Styrene	0.98	mg/kg	0.0022	ND
Tetrachloroethene	0.98	mg/kg	0.0022	ND
Toluene	0.98	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.98	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.98	mg/kg	0.0022	ND
Trichloroethene	0.98	mg/kg	0.0022	ND
Trichlorofluoromethane	0.98	mg/kg	0.0022	ND
Vinyl chloride	0.98	mg/kg	0.0022	ND
Xylenes (Total)	0.98	mg/kg	0.0011	ND

Sample ID: SB-05-7.5-8.0' | **Collection Date:** 12/3/2024
Lab#: AD48506-012 | **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		80

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.10	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0063	ND
Aldrin	1	mg/kg	0.0063	ND
Alpha-BHC	1	mg/kg	0.0013	ND
beta-BHC	1	mg/kg	0.0013	ND
Chlordane (Total)	1	mg/kg	0.0063	ND
delta-BHC	1	mg/kg	0.0063	ND
Dieldrin	1	mg/kg	0.0013	ND
Endosulfan I	1	mg/kg	0.0063	ND
Endosulfan II	1	mg/kg	0.0063	ND
Endosulfan Sulfate	1	mg/kg	0.0063	ND
Endrin	1	mg/kg	0.0063	ND
Endrin Aldehyde	1	mg/kg	0.0063	ND
Endrin Ketone	1	mg/kg	0.0063	ND
gamma-BHC	1	mg/kg	0.0013	ND
Heptachlor	1	mg/kg	0.0063	ND
Heptachlor Epoxide	1	mg/kg	0.0063	ND
Methoxychlor	1	mg/kg	0.0063	ND
p,p'-DDD	1	mg/kg	0.0031	ND
p,p'-DDE	1	mg/kg	0.0031	ND
p,p'-DDT	1	mg/kg	0.0031	ND
Toxaphene	1	mg/kg	0.031	ND
y-Chlordane	1	mg/kg	0.0063	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.031	ND
Aroclor-1016	1	mg/kg	0.031	ND
Aroclor-1221	1	mg/kg	0.031	ND
Aroclor-1232	1	mg/kg	0.031	ND
Aroclor-1242	1	mg/kg	0.031	ND
Aroclor-1248	1	mg/kg	0.031	ND
Aroclor-1254	1	mg/kg	0.031	ND
Aroclor-1260	1	mg/kg	0.031	ND
Aroclor-1262	1	mg/kg	0.031	ND
Aroclor-1268	1	mg/kg	0.031	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.042	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.042	ND
1,4-Dioxane	1	mg/kg	0.042	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.042	ND
2,4,5-Trichlorophenol	1	mg/kg	0.042	ND
2,4,6-Trichlorophenol	1	mg/kg	0.042	ND
2,4-Dichlorophenol	1	mg/kg	0.042	ND
2,4-Dimethylphenol	1	mg/kg	0.042	ND
2,4-Dinitrophenol	1	mg/kg	0.21	ND

Sample ID:	**SB-05-7.5-8.0'**
Lab#:	**AD48506-012**
Matrix:	**Soil**
Collection Date:	**12/3/2024**
Receipt Date:	**12/4/2024**

2,4-Dinitrotoluene	1	mg/kg	0.042	ND
2,6-Dinitrotoluene	1	mg/kg	0.042	ND
2-Chloronaphthalene	1	mg/kg	0.042	ND
2-Chlorophenol	1	mg/kg	0.042	ND
2-Methylnaphthalene	1	mg/kg	0.042	ND
2-Methylphenol	1	mg/kg	0.042	ND
2-Nitroaniline	1	mg/kg	0.042	ND
2-Nitrophenol	1	mg/kg	0.042	ND
3&4-Methylphenol	1	mg/kg	0.042	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.042	ND
3-Nitroaniline	1	mg/kg	0.042	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.21	ND
4-Bromophenyl-phenylether	1	mg/kg	0.042	ND
4-Chloro-3-methylphenol	1	mg/kg	0.042	ND
4-Chloroaniline	1	mg/kg	0.042	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.042	ND
4-Nitroaniline	1	mg/kg	0.042	ND
4-Nitrophenol	1	mg/kg	0.042	ND
Acenaphthene	1	mg/kg	0.042	ND
Acenaphthylene	1	mg/kg	0.042	ND
Acetophenone	1	mg/kg	0.042	ND
Anthracene	**1**	**mg/kg**	**0.042**	**0.079**
Atrazine	1	mg/kg	0.042	ND
Benzaldehyde	1	mg/kg	0.042	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.042**	**0.20**
Benzo[a]pyrene	**1**	**mg/kg**	**0.042**	**0.18**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.042**	**0.23**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.042**	**0.11**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.042**	**0.072**
bis(2-Chloroethoxy)methane	1	mg/kg	0.042	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.016	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.042	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.042	ND
Butylbenzylphthalate	1	mg/kg	0.042	ND
Caprolactam	1	mg/kg	0.042	ND
Carbazole	1	mg/kg	0.042	ND
Chrysene	**1**	**mg/kg**	**0.042**	**0.17**
Dibenzo[a,h]anthracene	1	mg/kg	0.042	ND
Dibenzofuran	1	mg/kg	0.042	ND
Diethylphthalate	1	mg/kg	0.042	ND
Dimethylphthalate	1	mg/kg	0.042	ND
Di-n-butylphthalate	1	mg/kg	0.21	ND
Di-n-octylphthalate	1	mg/kg	0.042	ND
Fluoranthene	**1**	**mg/kg**	**0.042**	**0.48**
Fluorene	1	mg/kg	0.042	ND
Hexachlorobenzene	1	mg/kg	0.042	ND
Hexachlorobutadiene	1	mg/kg	0.042	ND
Hexachlorocyclopentadiene	1	mg/kg	0.21	ND
Hexachloroethane	1	mg/kg	0.042	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.042**	**0.12**
Isophorone	1	mg/kg	0.042	ND
Naphthalene	1	mg/kg	0.042	ND
Nitrobenzene	1	mg/kg	0.042	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.042	ND
N-Nitrosodiphenylamine	1	mg/kg	0.042	ND
Pentachlorophenol	1	mg/kg	0.21	ND
Phenanthrene	**1**	**mg/kg**	**0.042**	**0.25**

Sample ID: SB-05-7.5-8.0' **Collection Date:** 12/3/2024
Lab#: AD48506-012 **Receipt Date:** 12/4/2024
Matrix: Soil

Phenol	1	mg/kg	0.042	ND
Pyrene	**1**	**mg/kg**	**0.042**	**0.38**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**25**	**8700**
Antimony	**1**	**mg/kg**	**0.38**	**2.8**
Arsenic	**1**	**mg/kg**	**0.25**	**6.1**
Barium	**1**	**mg/kg**	**0.62**	**68**
Beryllium	**1**	**mg/kg**	**0.12**	**0.46**
Cadmium	1	mg/kg	0.25	ND
Calcium	**1**	**mg/kg**	**130**	**2200**
Chromium	**1**	**mg/kg**	**0.25**	**23**
Cobalt	**1**	**mg/kg**	**0.25**	**7.4**
Copper	**1**	**mg/kg**	**1.2**	**32**
Iron	**1**	**mg/kg**	**38**	**21000**
Lead	**1**	**mg/kg**	**0.38**	**64**
Magnesium	**1**	**mg/kg**	**130**	**3700**
Manganese	**1**	**mg/kg**	**1.2**	**440**
Nickel	**1**	**mg/kg**	**1.2**	**18**
Potassium	**1**	**mg/kg**	**130**	**1800**
Selenium	**1**	**mg/kg**	**1.2**	**2.4**
Silver	1	mg/kg	0.25	ND
Sodium	**1**	**mg/kg**	**130**	**170**
Thallium	1	mg/kg	0.25	ND
Vanadium	**1**	**mg/kg**	**0.25**	**28**
Zinc	**1**	**mg/kg**	**5.0**	**100**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.901	mg/kg	0.0023	ND
1,1,2,2-Tetrachloroethane	0.901	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.901	mg/kg	0.0023	ND
1,1,2-Trichloroethane	0.901	mg/kg	0.0023	ND
1,1-Dichloroethane	0.901	mg/kg	0.0023	ND
1,1-Dichloroethene	0.901	mg/kg	0.0023	ND
1,2,3-Trichlorobenzene	0.901	mg/kg	0.0023	ND
1,2,4-Trichlorobenzene	0.901	mg/kg	0.0023	ND
1,2-Dibromo-3-chloropropane	0.901	mg/kg	0.0023	ND
1,2-Dibromoethane	0.901	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.901	mg/kg	0.0023	ND
1,2-Dichloroethane	0.901	mg/kg	0.0023	ND
1,2-Dichloropropane	0.901	mg/kg	0.0023	ND
1,3-Dichlorobenzene	0.901	mg/kg	0.0023	ND
1,3-Dichloropropene (Total)	0.901	mg/kg	0.0023	ND
1,4-Dichlorobenzene	0.901	mg/kg	0.0023	ND
1,4-Dioxane	0.901	mg/kg	0.11	ND
2-Butanone	**0.901**	**mg/kg**	**0.0023**	**0.018**
2-Hexanone	0.901	mg/kg	0.0023	ND
4-Methyl-2-pentanone	0.901	mg/kg	0.0023	ND
Acetone	**0.901**	**mg/kg**	**0.011**	**0.083**
Benzene	0.901	mg/kg	0.0011	ND
Bromochloromethane	0.901	mg/kg	0.0023	ND
Bromodichloromethane	0.901	mg/kg	0.0023	ND
Bromoform	0.901	mg/kg	0.0023	ND
Bromomethane	0.901	mg/kg	0.0023	ND
Carbon disulfide	0.901	mg/kg	0.0056	ND

Sample ID: SB-05-7.5-8.0' **Collection Date:** 12/3/2024
Lab#: AD48506-012 **Receipt Date:** 12/4/2024
Matrix: Soil

Carbon tetrachloride	0.901	mg/kg	0.0023	ND
Chlorobenzene	0.901	mg/kg	0.0023	ND
Chloroethane	0.901	mg/kg	0.0023	ND
Chloroform	0.901	mg/kg	0.0023	ND
Chloromethane	0.901	mg/kg	0.0023	ND
cis-1,2-Dichloroethene	0.901	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	0.901	mg/kg	0.0023	ND
Cyclohexane	0.901	mg/kg	0.0023	ND
Dibromochloromethane	0.901	mg/kg	0.0023	ND
Dichlorodifluoromethane	0.901	mg/kg	0.0023	ND
Ethylbenzene	0.901	mg/kg	0.0011	ND
Isopropylbenzene	0.901	mg/kg	0.0011	ND
m&p-Xylenes	0.901	mg/kg	0.0016	ND
Methyl Acetate	0.901	mg/kg	0.0023	ND
Methylcyclohexane	0.901	mg/kg	0.0023	ND
Methylene chloride	**0.901**	**mg/kg**	**0.0023**	**0.038**
Methyl-t-butyl ether	0.901	mg/kg	0.0011	ND
o-Xylene	0.901	mg/kg	0.0011	ND
Styrene	0.901	mg/kg	0.0023	ND
Tetrachloroethene	0.901	mg/kg	0.0023	ND
Toluene	0.901	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.901	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	0.901	mg/kg	0.0023	ND
Trichloroethene	0.901	mg/kg	0.0023	ND
Trichlorofluoromethane	0.901	mg/kg	0.0023	ND
Vinyl chloride	0.901	mg/kg	0.0023	ND
Xylenes (Total)	0.901	mg/kg	0.0011	ND

Sample ID: SB-15-7.5-8.0' **Collection Date:** 12/3/2024
Lab#: AD48506-013 **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		73

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.11	3.6

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0068	ND
Aldrin	1	mg/kg	0.0068	ND
Alpha-BHC	1	mg/kg	0.0014	ND
beta-BHC	1	mg/kg	0.0014	ND
Chlordane (Total)	1	mg/kg	0.0068	ND
delta-BHC	1	mg/kg	0.0068	ND
Dieldrin	1	mg/kg	0.0014	ND
Endosulfan I	1	mg/kg	0.0068	ND
Endosulfan II	1	mg/kg	0.0068	ND
Endosulfan Sulfate	1	mg/kg	0.0068	ND
Endrin	1	mg/kg	0.0068	ND
Endrin Aldehyde	1	mg/kg	0.0068	ND
Endrin Ketone	1	mg/kg	0.0068	ND
gamma-BHC	1	mg/kg	0.0014	ND
Heptachlor	1	mg/kg	0.0068	ND
Heptachlor Epoxide	1	mg/kg	0.0068	ND
Methoxychlor	1	mg/kg	0.0068	ND
p,p'-DDD	1	mg/kg	0.0034	ND
p,p'-DDE	1	mg/kg	0.0034	ND
p,p'-DDT	1	mg/kg	0.0034	ND
Toxaphene	1	mg/kg	0.034	ND
y-Chlordane	1	mg/kg	0.0068	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.034	ND
Aroclor-1016	1	mg/kg	0.034	ND
Aroclor-1221	1	mg/kg	0.034	ND
Aroclor-1232	1	mg/kg	0.034	ND
Aroclor-1242	1	mg/kg	0.034	ND
Aroclor-1248	1	mg/kg	0.034	ND
Aroclor-1254	1	mg/kg	0.034	ND
Aroclor-1260	1	mg/kg	0.034	ND
Aroclor-1262	1	mg/kg	0.034	ND
Aroclor-1268	1	mg/kg	0.034	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.14	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.14	ND
1,4-Dioxane	3	mg/kg	0.14	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.14	ND
2,4,5-Trichlorophenol	3	mg/kg	0.14	ND
2,4,6-Trichlorophenol	3	mg/kg	0.14	ND
2,4-Dichlorophenol	3	mg/kg	0.14	ND
2,4-Dimethylphenol	3	mg/kg	0.14	ND
2,4-Dinitrophenol	3	mg/kg	0.68	ND

Sample ID:	**SB-15-7.5-8.0'**
Lab#:	**AD48506-013**
Matrix:	**Soil**
Collection Date:	**12/3/2024**
Receipt Date:	**12/4/2024**

2,4-Dinitrotoluene	3	mg/kg	0.14	ND
2,6-Dinitrotoluene	3	mg/kg	0.14	ND
2-Chloronaphthalene	3	mg/kg	0.14	ND
2-Chlorophenol	3	mg/kg	0.14	ND
2-Methylnaphthalene	3	mg/kg	0.14	ND
2-Methylphenol	3	mg/kg	0.14	ND
2-Nitroaniline	3	mg/kg	0.14	ND
2-Nitrophenol	3	mg/kg	0.14	ND
3&4-Methylphenol	3	mg/kg	0.14	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.14	ND
3-Nitroaniline	3	mg/kg	0.14	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	0.68	ND
4-Bromophenyl-phenylether	3	mg/kg	0.14	ND
4-Chloro-3-methylphenol	3	mg/kg	0.14	ND
4-Chloroaniline	3	mg/kg	0.14	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.14	ND
4-Nitroaniline	3	mg/kg	0.14	ND
4-Nitrophenol	3	mg/kg	0.14	ND
Acenaphthene	3	mg/kg	0.14	ND
Acenaphthylene	3	mg/kg	0.14	ND
Acetophenone	3	mg/kg	0.14	ND
Anthracene	**3**	**mg/kg**	**0.14**	**0.17**
Atrazine	3	mg/kg	0.14	ND
Benzaldehyde	3	mg/kg	0.14	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.14**	**0.92**
Benzo[a]pyrene	**3**	**mg/kg**	**0.14**	**0.97**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.14**	**1.3**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.14**	**0.72**
Benzo[k]fluoranthene	**3**	**mg/kg**	**0.14**	**0.44**
bis(2-Chloroethoxy)methane	3	mg/kg	0.14	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.052	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.14	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.14	ND
Butylbenzylphthalate	3	mg/kg	0.14	ND
Caprolactam	3	mg/kg	0.14	ND
Carbazole	3	mg/kg	0.14	ND
Chrysene	**3**	**mg/kg**	**0.14**	**0.95**
Dibenzo[a,h]anthracene	**3**	**mg/kg**	**0.14**	**0.18**
Dibenzofuran	3	mg/kg	0.14	ND
Diethylphthalate	3	mg/kg	0.14	ND
Dimethylphthalate	3	mg/kg	0.14	ND
Di-n-butylphthalate	3	mg/kg	0.68	ND
Di-n-octylphthalate	3	mg/kg	0.14	ND
Fluoranthene	**3**	**mg/kg**	**0.14**	**1.3**
Fluorene	3	mg/kg	0.14	ND
Hexachlorobenzene	3	mg/kg	0.14	ND
Hexachlorobutadiene	3	mg/kg	0.14	ND
Hexachlorocyclopentadiene	3	mg/kg	0.68	ND
Hexachloroethane	3	mg/kg	0.14	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.14**	**0.78**
Isophorone	3	mg/kg	0.14	ND
Naphthalene	3	mg/kg	0.14	ND
Nitrobenzene	3	mg/kg	0.14	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.14	ND
N-Nitrosodiphenylamine	3	mg/kg	0.14	ND
Pentachlorophenol	3	mg/kg	0.68	ND
Phenanthrene	**3**	**mg/kg**	**0.14**	**0.46**

Sample ID: SB-15-7.5-8.0' **Collection Date:** 12/3/2024
Lab#: AD48506-013 **Receipt Date:** 12/4/2024
Matrix: Soil

Phenol	3	mg/kg	0.14	ND
Pyrene	**3**	**mg/kg**	**0.14**	**1.3**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**27**	**7100**
Antimony	**1**	**mg/kg**	**0.41**	**2.4**
Arsenic	**1**	**mg/kg**	**0.27**	**11**
Barium	**1**	**mg/kg**	**0.68**	**380**
Beryllium	**1**	**mg/kg**	**0.14**	**0.51**
Cadmium	**1**	**mg/kg**	**0.27**	**1.3**
Calcium	**1**	**mg/kg**	**140**	**4600**
Chromium	**1**	**mg/kg**	**0.27**	**26**
Cobalt	**1**	**mg/kg**	**0.27**	**8.2**
Copper	**1**	**mg/kg**	**1.4**	**370**
Iron	**1**	**mg/kg**	**41**	**29000**
Lead	**1**	**mg/kg**	**0.41**	**700**
Magnesium	**1**	**mg/kg**	**140**	**2400**
Manganese	**1**	**mg/kg**	**1.4**	**330**
Nickel	**1**	**mg/kg**	**1.4**	**22**
Potassium	**1**	**mg/kg**	**140**	**1300**
Selenium	**1**	**mg/kg**	**1.4**	**2.5**
Silver	**1**	**mg/kg**	**0.27**	**1.1**
Sodium	**1**	**mg/kg**	**140**	**160**
Thallium	1	mg/kg	0.27	ND
Vanadium	**1**	**mg/kg**	**0.27**	**27**
Zinc	**1**	**mg/kg**	**5.5**	**620**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.984	mg/kg	0.0027	ND
1,1,2,2-Tetrachloroethane	0.984	mg/kg	0.0027	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.984	mg/kg	0.0027	ND
1,1,2-Trichloroethane	0.984	mg/kg	0.0027	ND
1,1-Dichloroethane	0.984	mg/kg	0.0027	ND
1,1-Dichloroethene	0.984	mg/kg	0.0027	ND
1,2,3-Trichlorobenzene	0.984	mg/kg	0.0027	ND
1,2,4-Trichlorobenzene	0.984	mg/kg	0.0027	ND
1,2-Dibromo-3-chloropropane	0.984	mg/kg	0.0027	ND
1,2-Dibromoethane	0.984	mg/kg	0.0013	ND
1,2-Dichlorobenzene	0.984	mg/kg	0.0027	ND
1,2-Dichloroethane	0.984	mg/kg	0.0027	ND
1,2-Dichloropropane	0.984	mg/kg	0.0027	ND
1,3-Dichlorobenzene	0.984	mg/kg	0.0027	ND
1,3-Dichloropropene (Total)	0.984	mg/kg	0.0027	ND
1,4-Dichlorobenzene	0.984	mg/kg	0.0027	ND
1,4-Dioxane	0.984	mg/kg	0.13	ND
2-Butanone	**0.984**	**mg/kg**	**0.0027**	**0.0043**
2-Hexanone	0.984	mg/kg	0.0027	ND
4-Methyl-2-pentanone	0.984	mg/kg	0.0027	ND
Acetone	**0.984**	**mg/kg**	**0.013**	**0.034**
Benzene	0.984	mg/kg	0.0013	ND
Bromochloromethane	0.984	mg/kg	0.0027	ND
Bromodichloromethane	0.984	mg/kg	0.0027	ND
Bromoform	0.984	mg/kg	0.0027	ND
Bromomethane	0.984	mg/kg	0.0027	ND
Carbon disulfide	0.984	mg/kg	0.0067	ND

Sample ID: SB-15-7.5-8.0' **Collection Date:** 12/3/2024
Lab#: AD48506-013 **Receipt Date:** 12/4/2024
Matrix: Soil

Carbon tetrachloride	0.984	mg/kg	0.0027	ND
Chlorobenzene	0.984	mg/kg	0.0027	ND
Chloroethane	0.984	mg/kg	0.0027	ND
Chloroform	0.984	mg/kg	0.0027	ND
Chloromethane	0.984	mg/kg	0.0027	ND
cis-1,2-Dichloroethene	0.984	mg/kg	0.0027	ND
cis-1,3-Dichloropropene	0.984	mg/kg	0.0027	ND
Cyclohexane	0.984	mg/kg	0.0027	ND
Dibromochloromethane	0.984	mg/kg	0.0027	ND
Dichlorodifluoromethane	0.984	mg/kg	0.0027	ND
Ethylbenzene	0.984	mg/kg	0.0013	ND
Isopropylbenzene	0.984	mg/kg	0.0013	ND
m&p-Xylenes	0.984	mg/kg	0.0019	ND
Methyl Acetate	0.984	mg/kg	0.0027	ND
Methylcyclohexane	0.984	mg/kg	0.0027	ND
Methylene chloride	**0.984**	**mg/kg**	**0.0027**	**0.030**
Methyl-t-butyl ether	0.984	mg/kg	0.0013	ND
o-Xylene	0.984	mg/kg	0.0013	ND
Styrene	0.984	mg/kg	0.0027	ND
Tetrachloroethene	0.984	mg/kg	0.0027	ND
Toluene	0.984	mg/kg	0.0013	ND
trans-1,2-Dichloroethene	0.984	mg/kg	0.0027	ND
trans-1,3-Dichloropropene	0.984	mg/kg	0.0027	ND
Trichloroethene	0.984	mg/kg	0.0027	ND
Trichlorofluoromethane	0.984	mg/kg	0.0027	ND
Vinyl chloride	0.984	mg/kg	0.0027	ND
Xylenes (Total)	0.984	mg/kg	0.0013	ND

Sample ID: SB-16-7.5-8.0' **Collection Date:** 12/4/2024
Lab#: AD48506-014 **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		71

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.12	0.56

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0070	ND
Aldrin	1	mg/kg	0.0070	ND
Alpha-BHC	1	mg/kg	0.0014	ND
beta-BHC	1	mg/kg	0.0014	ND
Chlordane (Total)	1	mg/kg	0.0070	ND
delta-BHC	1	mg/kg	0.0070	ND
Dieldrin	1	mg/kg	0.0014	ND
Endosulfan I	1	mg/kg	0.0070	ND
Endosulfan II	1	mg/kg	0.0070	ND
Endosulfan Sulfate	1	mg/kg	0.0070	ND
Endrin	1	mg/kg	0.0070	ND
Endrin Aldehyde	1	mg/kg	0.0070	ND
Endrin Ketone	1	mg/kg	0.0070	ND
gamma-BHC	1	mg/kg	0.0014	ND
Heptachlor	1	mg/kg	0.0070	ND
Heptachlor Epoxide	1	mg/kg	0.0070	ND
Methoxychlor	1	mg/kg	0.0070	ND
p,p'-DDD	1	mg/kg	0.0035	ND
p,p'-DDE	1	mg/kg	0.0035	ND
p,p'-DDT	1	mg/kg	0.0035	ND
Toxaphene	1	mg/kg	0.035	ND
y-Chlordane	1	mg/kg	0.0070	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.035	ND
Aroclor-1016	1	mg/kg	0.035	ND
Aroclor-1221	1	mg/kg	0.035	ND
Aroclor-1232	1	mg/kg	0.035	ND
Aroclor-1242	1	mg/kg	0.035	ND
Aroclor-1248	1	mg/kg	0.035	ND
Aroclor-1254	1	mg/kg	0.035	ND
Aroclor-1260	1	mg/kg	0.035	ND
Aroclor-1262	1	mg/kg	0.035	ND
Aroclor-1268	1	mg/kg	0.035	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	5	mg/kg	0.23	ND
1,2,4,5-Tetrachlorobenzene	5	mg/kg	0.23	ND
1,4-Dioxane	5	mg/kg	0.23	ND
2,3,4,6-Tetrachlorophenol	5	mg/kg	0.23	ND
2,4,5-Trichlorophenol	5	mg/kg	0.23	ND
2,4,6-Trichlorophenol	5	mg/kg	0.23	ND
2,4-Dichlorophenol	5	mg/kg	0.23	ND
2,4-Dimethylphenol	5	mg/kg	0.23	ND
2,4-Dinitrophenol	5	mg/kg	1.2	ND

Sample ID:	**SB-16-7.5-8.0'**	**Collection Date:**	**12/4/2024**
Lab#:	**AD48506-014**	**Receipt Date:**	**12/4/2024**
Matrix:	**Soil**		

2,4-Dinitrotoluene	5	mg/kg	0.23	ND
2,6-Dinitrotoluene	5	mg/kg	0.23	ND
2-Chloronaphthalene	5	mg/kg	0.23	ND
2-Chlorophenol	5	mg/kg	0.23	ND
2-Methylnaphthalene	5	mg/kg	0.23	ND
2-Methylphenol	5	mg/kg	0.23	ND
2-Nitroaniline	5	mg/kg	0.23	ND
2-Nitrophenol	5	mg/kg	0.23	ND
3&4-Methylphenol	5	mg/kg	0.23	ND
3,3'-Dichlorobenzidine	5	mg/kg	0.23	ND
3-Nitroaniline	5	mg/kg	0.23	ND
4,6-Dinitro-2-methylphenol	5	mg/kg	1.2	ND
4-Bromophenyl-phenylether	5	mg/kg	0.23	ND
4-Chloro-3-methylphenol	5	mg/kg	0.23	ND
4-Chloroaniline	5	mg/kg	0.23	ND
4-Chlorophenyl-phenylether	5	mg/kg	0.23	ND
4-Nitroaniline	5	mg/kg	0.23	ND
4-Nitrophenol	5	mg/kg	0.23	ND
Acenaphthene	5	mg/kg	0.23	ND
Acenaphthylene	5	mg/kg	0.23	ND
Acetophenone	5	mg/kg	0.23	ND
Anthracene	5	mg/kg	0.23	ND
Atrazine	5	mg/kg	0.23	ND
Benzaldehyde	5	mg/kg	0.23	ND
Benzo[a]anthracene	5	mg/kg	0.23	ND
Benzo[a]pyrene	5	mg/kg	0.23	ND
Benzo[b]fluoranthene	**5**	**mg/kg**	**0.23**	**0.28**
Benzo[g,h,i]perylene	5	mg/kg	0.23	ND
Benzo[k]fluoranthene	5	mg/kg	0.23	ND
bis(2-Chloroethoxy)methane	5	mg/kg	0.23	ND
bis(2-Chloroethyl)ether	5	mg/kg	0.089	ND
bis(2-Chloroisopropyl)ether	5	mg/kg	0.23	ND
bis(2-Ethylhexyl)phthalate	5	mg/kg	0.23	ND
Butylbenzylphthalate	5	mg/kg	0.23	ND
Caprolactam	5	mg/kg	0.23	ND
Carbazole	5	mg/kg	0.23	ND
Chrysene	5	mg/kg	0.23	ND
Dibenzo[a,h]anthracene	5	mg/kg	0.23	ND
Dibenzofuran	5	mg/kg	0.23	ND
Diethylphthalate	5	mg/kg	0.23	ND
Dimethylphthalate	5	mg/kg	0.23	ND
Di-n-butylphthalate	5	mg/kg	1.2	ND
Di-n-octylphthalate	5	mg/kg	0.23	ND
Fluoranthene	**5**	**mg/kg**	**0.23**	**0.36**
Fluorene	5	mg/kg	0.23	ND
Hexachlorobenzene	5	mg/kg	0.23	ND
Hexachlorobutadiene	5	mg/kg	0.23	ND
Hexachlorocyclopentadiene	5	mg/kg	1.2	ND
Hexachloroethane	5	mg/kg	0.23	ND
Indeno[1,2,3-cd]pyrene	5	mg/kg	0.23	ND
Isophorone	5	mg/kg	0.23	ND
Naphthalene	5	mg/kg	0.23	ND
Nitrobenzene	5	mg/kg	0.23	ND
N-Nitroso-di-n-propylamine	5	mg/kg	0.23	ND
N-Nitrosodiphenylamine	5	mg/kg	0.23	ND
Pentachlorophenol	5	mg/kg	1.2	ND
Phenanthrene	5	mg/kg	0.23	ND

Sample ID:	**SB-16-7.5-8.0'**	**Collection Date:**	**12/4/2024**
Lab#:	**AD48506-014**	**Receipt Date:**	**12/4/2024**
Matrix:	**Soil**		

Phenol	5	mg/kg	0.23	ND
Pyrene	**5**	**mg/kg**	**0.23**	**0.38**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**28**	**6700**
Antimony	**1**	**mg/kg**	**0.42**	**1.2**
Arsenic	**1**	**mg/kg**	**0.28**	**13**
Barium	**1**	**mg/kg**	**0.70**	**320**
Beryllium	**1**	**mg/kg**	**0.14**	**0.43**
Cadmium	**1**	**mg/kg**	**0.28**	**4.2**
Calcium	**1**	**mg/kg**	**140**	**5900**
Chromium	**1**	**mg/kg**	**0.28**	**25**
Cobalt	**1**	**mg/kg**	**0.28**	**5.3**
Copper	**1**	**mg/kg**	**1.4**	**89**
Iron	**1**	**mg/kg**	**42**	**18000**
Lead	**1**	**mg/kg**	**0.42**	**300**
Magnesium	**1**	**mg/kg**	**140**	**2600**
Manganese	**1**	**mg/kg**	**1.4**	**370**
Nickel	**1**	**mg/kg**	**1.4**	**20**
Potassium	**1**	**mg/kg**	**140**	**2200**
Selenium	**1**	**mg/kg**	**1.4**	**4.8**
Silver	**1**	**mg/kg**	**0.28**	**0.74**
Sodium	**1**	**mg/kg**	**140**	**310**
Thallium	**1**	**mg/kg**	**0.28**	**0.54**
Vanadium	**1**	**mg/kg**	**0.28**	**27**
Zinc	**1**	**mg/kg**	**5.6**	**330**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.994	mg/kg	0.0028	ND
1,1,2,2-Tetrachloroethane	0.994	mg/kg	0.0028	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.994	mg/kg	0.0028	ND
1,1,2-Trichloroethane	0.994	mg/kg	0.0028	ND
1,1-Dichloroethane	0.994	mg/kg	0.0028	ND
1,1-Dichloroethene	0.994	mg/kg	0.0028	ND
1,2,3-Trichlorobenzene	0.994	mg/kg	0.0028	ND
1,2,4-Trichlorobenzene	0.994	mg/kg	0.0028	ND
1,2-Dibromo-3-chloropropane	0.994	mg/kg	0.0028	ND
1,2-Dibromoethane	0.994	mg/kg	0.0014	ND
1,2-Dichlorobenzene	0.994	mg/kg	0.0028	ND
1,2-Dichloroethane	0.994	mg/kg	0.0028	ND
1,2-Dichloropropane	0.994	mg/kg	0.0028	ND
1,3-Dichlorobenzene	0.994	mg/kg	0.0028	ND
1,3-Dichloropropene (Total)	0.994	mg/kg	0.0028	ND
1,4-Dichlorobenzene	0.994	mg/kg	0.0028	ND
1,4-Dioxane	0.994	mg/kg	0.14	ND
2-Butanone	**0.994**	**mg/kg**	**0.0028**	**0.042**
2-Hexanone	0.994	mg/kg	0.0028	ND
4-Methyl-2-pentanone	0.994	mg/kg	0.0028	ND
Acetone	**0.994**	**mg/kg**	**0.014**	**0.17**
Benzene	0.994	mg/kg	0.0014	ND
Bromochloromethane	0.994	mg/kg	0.0028	ND
Bromodichloromethane	0.994	mg/kg	0.0028	ND
Bromoform	0.994	mg/kg	0.0028	ND
Bromomethane	0.994	mg/kg	0.0028	ND
Carbon disulfide	0.994	mg/kg	0.0070	ND

Sample ID: SB-16-7.5-8.0' **Collection Date:** 12/4/2024
Lab#: AD48506-014 **Receipt Date:** 12/4/2024
Matrix: Soil

Carbon tetrachloride	0.994	mg/kg	0.0028	ND
Chlorobenzene	0.994	mg/kg	0.0028	ND
Chloroethane	0.994	mg/kg	0.0028	ND
Chloroform	0.994	mg/kg	0.0028	ND
Chloromethane	0.994	mg/kg	0.0028	ND
cis-1,2-Dichloroethene	0.994	mg/kg	0.0028	ND
cis-1,3-Dichloropropene	0.994	mg/kg	0.0028	ND
Cyclohexane	0.994	mg/kg	0.0028	ND
Dibromochloromethane	0.994	mg/kg	0.0028	ND
Dichlorodifluoromethane	0.994	mg/kg	0.0028	ND
Ethylbenzene	0.994	mg/kg	0.0014	ND
Isopropylbenzene	0.994	mg/kg	0.0014	ND
m&p-Xylenes	0.994	mg/kg	0.0020	ND
Methyl Acetate	0.994	mg/kg	0.0028	ND
Methylcyclohexane	0.994	mg/kg	0.0028	ND
Methylene chloride	**0.994**	**mg/kg**	**0.0028**	**0.027**
Methyl-t-butyl ether	0.994	mg/kg	0.0014	ND
o-Xylene	0.994	mg/kg	0.0014	ND
Styrene	0.994	mg/kg	0.0028	ND
Tetrachloroethene	0.994	mg/kg	0.0028	ND
Toluene	0.994	mg/kg	0.0014	ND
trans-1,2-Dichloroethene	0.994	mg/kg	0.0028	ND
trans-1,3-Dichloropropene	0.994	mg/kg	0.0028	ND
Trichloroethene	0.994	mg/kg	0.0028	ND
Trichlorofluoromethane	0.994	mg/kg	0.0028	ND
Vinyl chloride	0.994	mg/kg	0.0028	ND
Xylenes (Total)	0.994	mg/kg	0.0014	ND

Sample ID: SB-24-9.5-10.0' **Collection Date:** 12/4/2024
Lab#: AD48506-015 **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		66

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.12	0.35

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0076	ND
Aldrin	1	mg/kg	0.0076	ND
Alpha-BHC	1	mg/kg	0.0015	ND
beta-BHC	1	mg/kg	0.0015	ND
Chlordane (Total)	1	mg/kg	0.0076	ND
delta-BHC	1	mg/kg	0.0076	ND
Dieldrin	1	mg/kg	0.0015	ND
Endosulfan I	1	mg/kg	0.0076	ND
Endosulfan II	1	mg/kg	0.0076	ND
Endosulfan Sulfate	1	mg/kg	0.0076	ND
Endrin	1	mg/kg	0.0076	ND
Endrin Aldehyde	1	mg/kg	0.0076	ND
Endrin Ketone	1	mg/kg	0.0076	ND
gamma-BHC	1	mg/kg	0.0015	ND
Heptachlor	1	mg/kg	0.0076	ND
Heptachlor Epoxide	1	mg/kg	0.0076	ND
Methoxychlor	1	mg/kg	0.0076	ND
p,p'-DDD	1	mg/kg	0.0038	ND
p,p'-DDE	1	mg/kg	0.0038	ND
p,p'-DDT	1	mg/kg	0.0038	ND
Toxaphene	1	mg/kg	0.038	ND
y-Chlordane	1	mg/kg	0.0076	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.038	ND
Aroclor-1016	1	mg/kg	0.038	ND
Aroclor-1221	1	mg/kg	0.038	ND
Aroclor-1232	1	mg/kg	0.038	ND
Aroclor-1242	1	mg/kg	0.038	ND
Aroclor-1248	1	mg/kg	0.038	ND
Aroclor-1254	1	mg/kg	0.038	ND
Aroclor-1260	1	mg/kg	0.038	ND
Aroclor-1262	1	mg/kg	0.038	ND
Aroclor-1268	1	mg/kg	0.038	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.051	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.051	ND
1,4-Dioxane	1	mg/kg	0.051	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.051	ND
2,4,5-Trichlorophenol	1	mg/kg	0.051	ND
2,4,6-Trichlorophenol	1	mg/kg	0.051	ND
2,4-Dichlorophenol	1	mg/kg	0.051	ND
2,4-Dimethylphenol	1	mg/kg	0.051	ND
2,4-Dinitrophenol	1	mg/kg	0.25	ND

Sample ID:	**SB-24-9.5-10.0'**
Lab#:	**AD48506-015**
Matrix:	**Soil**
Collection Date:	**12/4/2024**
Receipt Date:	**12/4/2024**

2,4-Dinitrotoluene	1	mg/kg	0.051	ND
2,6-Dinitrotoluene	1	mg/kg	0.051	ND
2-Chloronaphthalene	1	mg/kg	0.051	ND
2-Chlorophenol	1	mg/kg	0.051	ND
2-Methylnaphthalene	1	mg/kg	0.051	ND
2-Methylphenol	1	mg/kg	0.051	ND
2-Nitroaniline	1	mg/kg	0.051	ND
2-Nitrophenol	1	mg/kg	0.051	ND
3&4-Methylphenol	1	mg/kg	0.051	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.051	ND
3-Nitroaniline	1	mg/kg	0.051	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.25	ND
4-Bromophenyl-phenylether	1	mg/kg	0.051	ND
4-Chloro-3-methylphenol	1	mg/kg	0.051	ND
4-Chloroaniline	1	mg/kg	0.051	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.051	ND
4-Nitroaniline	1	mg/kg	0.051	ND
4-Nitrophenol	1	mg/kg	0.051	ND
Acenaphthene	1	mg/kg	0.051	ND
Acenaphthylene	1	mg/kg	0.051	ND
Acetophenone	1	mg/kg	0.051	ND
Anthracene	1	mg/kg	0.051	ND
Atrazine	1	mg/kg	0.051	ND
Benzaldehyde	1	mg/kg	0.051	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.051**	**0.096**
Benzo[a]pyrene	**1**	**mg/kg**	**0.051**	**0.10**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.051**	**0.14**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.051**	**0.076**
Benzo[k]fluoranthene	1	mg/kg	0.051	ND
bis(2-Chloroethoxy)methane	1	mg/kg	0.051	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.019	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.051	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.051	ND
Butylbenzylphthalate	1	mg/kg	0.051	ND
Caprolactam	1	mg/kg	0.051	ND
Carbazole	1	mg/kg	0.051	ND
Chrysene	**1**	**mg/kg**	**0.051**	**0.11**
Dibenzo[a,h]anthracene	1	mg/kg	0.051	ND
Dibenzofuran	1	mg/kg	0.051	ND
Diethylphthalate	1	mg/kg	0.051	ND
Dimethylphthalate	1	mg/kg	0.051	ND
Di-n-butylphthalate	1	mg/kg	0.25	ND
Di-n-octylphthalate	1	mg/kg	0.051	ND
Fluoranthene	**1**	**mg/kg**	**0.051**	**0.21**
Fluorene	1	mg/kg	0.051	ND
Hexachlorobenzene	1	mg/kg	0.051	ND
Hexachlorobutadiene	1	mg/kg	0.051	ND
Hexachlorocyclopentadiene	1	mg/kg	0.25	ND
Hexachloroethane	1	mg/kg	0.051	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.051**	**0.079**
Isophorone	1	mg/kg	0.051	ND
Naphthalene	1	mg/kg	0.051	ND
Nitrobenzene	1	mg/kg	0.051	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.051	ND
N-Nitrosodiphenylamine	1	mg/kg	0.051	ND
Pentachlorophenol	1	mg/kg	0.25	ND
Phenanthrene	**1**	**mg/kg**	**0.051**	**0.079**

Sample ID: SB-24-9.5-10.0' **Collection Date:** 12/4/2024
Lab#: AD48506-015 **Receipt Date:** 12/4/2024
Matrix: Soil

Phenol	1	mg/kg	0.051	ND
Pyrene	**1**	**mg/kg**	**0.051**	**0.19**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**30**	**7200**
Antimony	1	mg/kg	0.45	ND
Arsenic	**1**	**mg/kg**	**0.30**	**6.0**
Barium	**1**	**mg/kg**	**0.76**	**78**
Beryllium	**1**	**mg/kg**	**0.15**	**0.40**
Cadmium	**1**	**mg/kg**	**0.30**	**0.34**
Calcium	**1**	**mg/kg**	**150**	**3000**
Chromium	**1**	**mg/kg**	**0.30**	**20**
Cobalt	**1**	**mg/kg**	**0.30**	**7.2**
Copper	**1**	**mg/kg**	**1.5**	**44**
Iron	**1**	**mg/kg**	**45**	**19000**
Lead	**1**	**mg/kg**	**0.45**	**74**
Magnesium	**1**	**mg/kg**	**150**	**2900**
Manganese	**1**	**mg/kg**	**1.5**	**470**
Nickel	**1**	**mg/kg**	**1.5**	**16**
Potassium	**1**	**mg/kg**	**150**	**1500**
Selenium	**1**	**mg/kg**	**1.5**	**2.1**
Silver	1	mg/kg	0.30	ND
Sodium	1	mg/kg	150	ND
Thallium	1	mg/kg	0.30	ND
Vanadium	**1**	**mg/kg**	**0.30**	**26**
Zinc	**1**	**mg/kg**	**6.1**	**110**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.994	mg/kg	0.0030	ND
1,1,2,2-Tetrachloroethane	0.994	mg/kg	0.0030	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.994	mg/kg	0.0030	ND
1,1,2-Trichloroethane	0.994	mg/kg	0.0030	ND
1,1-Dichloroethane	0.994	mg/kg	0.0030	ND
1,1-Dichloroethene	0.994	mg/kg	0.0030	ND
1,2,3-Trichlorobenzene	0.994	mg/kg	0.0030	ND
1,2,4-Trichlorobenzene	0.994	mg/kg	0.0030	ND
1,2-Dibromo-3-chloropropane	0.994	mg/kg	0.0030	ND
1,2-Dibromoethane	0.994	mg/kg	0.0015	ND
1,2-Dichlorobenzene	0.994	mg/kg	0.0030	ND
1,2-Dichloroethane	0.994	mg/kg	0.0030	ND
1,2-Dichloropropane	0.994	mg/kg	0.0030	ND
1,3-Dichlorobenzene	0.994	mg/kg	0.0030	ND
1,3-Dichloropropene (Total)	0.994	mg/kg	0.0030	ND
1,4-Dichlorobenzene	0.994	mg/kg	0.0030	ND
1,4-Dioxane	0.994	mg/kg	0.15	ND
2-Butanone	**0.994**	**mg/kg**	**0.0030**	**0.092**
2-Hexanone	0.994	mg/kg	0.0030	ND
4-Methyl-2-pentanone	0.994	mg/kg	0.0030	ND
Acetone	**0.994**	**mg/kg**	**0.015**	**0.36**
Benzene	0.994	mg/kg	0.0015	ND
Bromochloromethane	0.994	mg/kg	0.0030	ND
Bromodichloromethane	0.994	mg/kg	0.0030	ND
Bromoform	0.994	mg/kg	0.0030	ND
Bromomethane	0.994	mg/kg	0.0030	ND
Carbon disulfide	0.994	mg/kg	0.0075	ND

Sample ID: SB-24-9.5-10.0' **Collection Date:** 12/4/2024
Lab#: AD48506-015 **Receipt Date:** 12/4/2024
Matrix: Soil

Carbon tetrachloride	0.994	mg/kg	0.0030	ND
Chlorobenzene	0.994	mg/kg	0.0030	ND
Chloroethane	0.994	mg/kg	0.0030	ND
Chloroform	0.994	mg/kg	0.0030	ND
Chloromethane	0.994	mg/kg	0.0030	ND
cis-1,2-Dichloroethene	0.994	mg/kg	0.0030	ND
cis-1,3-Dichloropropene	0.994	mg/kg	0.0030	ND
Cyclohexane	0.994	mg/kg	0.0030	ND
Dibromochloromethane	0.994	mg/kg	0.0030	ND
Dichlorodifluoromethane	0.994	mg/kg	0.0030	ND
Ethylbenzene	0.994	mg/kg	0.0015	ND
Isopropylbenzene	0.994	mg/kg	0.0015	ND
m&p-Xylenes	0.994	mg/kg	0.0021	ND
Methyl Acetate	0.994	mg/kg	0.0030	ND
Methylcyclohexane	0.994	mg/kg	0.0030	ND
Methylene chloride	**0.994**	**mg/kg**	**0.0030**	**0.054**
Methyl-t-butyl ether	0.994	mg/kg	0.0015	ND
o-Xylene	0.994	mg/kg	0.0015	ND
Styrene	0.994	mg/kg	0.0030	ND
Tetrachloroethene	0.994	mg/kg	0.0030	ND
Toluene	0.994	mg/kg	0.0015	ND
trans-1,2-Dichloroethene	0.994	mg/kg	0.0030	ND
trans-1,3-Dichloropropene	0.994	mg/kg	0.0030	ND
Trichloroethene	0.994	mg/kg	0.0030	ND
Trichlorofluoromethane	0.994	mg/kg	0.0030	ND
Vinyl chloride	0.994	mg/kg	0.0030	ND
Xylenes (Total)	0.994	mg/kg	0.0015	ND

Sample ID: SB-20-9.5-10.0' **Collection Date:** 12/4/2024
Lab#: AD48506-016 **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		73

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	5	mg/kg	0.54	11

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0068	ND
Aldrin	1	mg/kg	0.0068	ND
Alpha-BHC	1	mg/kg	0.0014	ND
beta-BHC	1	mg/kg	0.0014	ND
Chlordane (Total)	1	mg/kg	0.0068	ND
delta-BHC	1	mg/kg	0.0068	ND
Dieldrin	1	mg/kg	0.0014	ND
Endosulfan I	1	mg/kg	0.0068	ND
Endosulfan II	1	mg/kg	0.0068	ND
Endosulfan Sulfate	1	mg/kg	0.0068	ND
Endrin	1	mg/kg	0.0068	ND
Endrin Aldehyde	1	mg/kg	0.0068	ND
Endrin Ketone	1	mg/kg	0.0068	ND
gamma-BHC	1	mg/kg	0.0014	ND
Heptachlor	1	mg/kg	0.0068	ND
Heptachlor Epoxide	1	mg/kg	0.0068	ND
Methoxychlor	1	mg/kg	0.0068	ND
p,p'-DDD	1	mg/kg	0.0034	0.0041d
p,p'-DDE	1	mg/kg	0.0034	0.0094
p,p'-DDT	1	mg/kg	0.0034	ND
Toxaphene	1	mg/kg	0.034	ND
y-Chlordane	1	mg/kg	0.0068	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.034	0.048
Aroclor-1016	1	mg/kg	0.034	ND
Aroclor-1221	1	mg/kg	0.034	ND
Aroclor-1232	1	mg/kg	0.034	ND
Aroclor-1242	1	mg/kg	0.034	ND
Aroclor-1248	1	mg/kg	0.034	ND
Aroclor-1254	1	mg/kg	0.034	ND
Aroclor-1260	1	mg/kg	0.034	ND
Aroclor-1262	1	mg/kg	0.034	0.048
Aroclor-1268	1	mg/kg	0.034	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.046	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.046	ND
1,4-Dioxane	1	mg/kg	0.046	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.046	ND
2,4,5-Trichlorophenol	1	mg/kg	0.046	ND
2,4,6-Trichlorophenol	1	mg/kg	0.046	ND
2,4-Dichlorophenol	1	mg/kg	0.046	ND
2,4-Dimethylphenol	1	mg/kg	0.046	ND
2,4-Dinitrophenol	1	mg/kg	0.23	ND

Sample ID:	**SB-20-9.5-10.0'**		**Collection Date:**	**12/4/2024**
Lab#:	**AD48506-016**		**Receipt Date:**	**12/4/2024**
Matrix:	**Soil**			

2,4-Dinitrotoluene	1	mg/kg	0.046	ND
2,6-Dinitrotoluene	1	mg/kg	0.046	ND
2-Chloronaphthalene	1	mg/kg	0.046	ND
2-Chlorophenol	1	mg/kg	0.046	ND
2-Methylnaphthalene	1	mg/kg	0.046	ND
2-Methylphenol	1	mg/kg	0.046	ND
2-Nitroaniline	1	mg/kg	0.046	ND
2-Nitrophenol	1	mg/kg	0.046	ND
3&4-Methylphenol	1	mg/kg	0.046	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.046	ND
3-Nitroaniline	1	mg/kg	0.046	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.23	ND
4-Bromophenyl-phenylether	1	mg/kg	0.046	ND
4-Chloro-3-methylphenol	1	mg/kg	0.046	ND
4-Chloroaniline	1	mg/kg	0.046	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.046	ND
4-Nitroaniline	1	mg/kg	0.046	ND
4-Nitrophenol	1	mg/kg	0.046	ND
Acenaphthene	1	mg/kg	0.046	ND
Acenaphthylene	1	mg/kg	0.046	ND
Acetophenone	1	mg/kg	0.046	ND
Anthracene	**1**	**mg/kg**	**0.046**	**0.17**
Atrazine	1	mg/kg	0.046	ND
Benzaldehyde	1	mg/kg	0.046	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.046**	**0.44**
Benzo[a]pyrene	**1**	**mg/kg**	**0.046**	**0.35**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.046**	**0.41**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.046**	**0.20**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.046**	**0.14**
bis(2-Chloroethoxy)methane	1	mg/kg	0.046	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.017	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.046	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.046	ND
Butylbenzylphthalate	1	mg/kg	0.046	ND
Caprolactam	1	mg/kg	0.046	ND
Carbazole	1	mg/kg	0.046	ND
Chrysene	**1**	**mg/kg**	**0.046**	**0.43**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.046**	**0.054**
Dibenzofuran	1	mg/kg	0.046	ND
Diethylphthalate	1	mg/kg	0.046	ND
Dimethylphthalate	1	mg/kg	0.046	ND
Di-n-butylphthalate	1	mg/kg	0.23	ND
Di-n-octylphthalate	1	mg/kg	0.046	ND
Fluoranthene	**1**	**mg/kg**	**0.046**	**0.66**
Fluorene	1	mg/kg	0.046	ND
Hexachlorobenzene	1	mg/kg	0.046	ND
Hexachlorobutadiene	1	mg/kg	0.046	ND
Hexachlorocyclopentadiene	1	mg/kg	0.23	ND
Hexachloroethane	1	mg/kg	0.046	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.046**	**0.22**
Isophorone	1	mg/kg	0.046	ND
Naphthalene	1	mg/kg	0.046	ND
Nitrobenzene	1	mg/kg	0.046	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.046	ND
N-Nitrosodiphenylamine	1	mg/kg	0.046	ND
Pentachlorophenol	1	mg/kg	0.23	ND
Phenanthrene	**1**	**mg/kg**	**0.046**	**0.13**

Sample ID:	**SB-20-9.5-10.0'**	**Collection Date:**	**12/4/2024**
Lab#:	**AD48506-016**	**Receipt Date:**	**12/4/2024**
Matrix:	**Soil**		

Phenol	1	mg/kg	0.046	ND
Pyrene	**1**	**mg/kg**	**0.046**	**0.84**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**27**	**8400**
Antimony	**1**	**mg/kg**	**0.41**	**0.89**
Arsenic	**1**	**mg/kg**	**0.27**	**11**
Barium	**1**	**mg/kg**	**0.68**	**140**
Beryllium	**1**	**mg/kg**	**0.14**	**0.47**
Cadmium	**1**	**mg/kg**	**0.27**	**1.2**
Calcium	**1**	**mg/kg**	**140**	**4100**
Chromium	**1**	**mg/kg**	**0.27**	**21**
Cobalt	**1**	**mg/kg**	**0.27**	**6.3**
Copper	**1**	**mg/kg**	**1.4**	**76**
Iron	**1**	**mg/kg**	**41**	**18000**
Lead	**1**	**mg/kg**	**0.41**	**230**
Magnesium	**1**	**mg/kg**	**140**	**2600**
Manganese	**1**	**mg/kg**	**1.4**	**410**
Nickel	**1**	**mg/kg**	**1.4**	**18**
Potassium	**1**	**mg/kg**	**140**	**1100**
Selenium	**1**	**mg/kg**	**1.4**	**2.9**
Silver	**1**	**mg/kg**	**0.27**	**0.47**
Sodium	1	mg/kg	140	ND
Thallium	1	mg/kg	0.27	ND
Vanadium	**1**	**mg/kg**	**0.27**	**27**
Zinc	**1**	**mg/kg**	**5.5**	**230**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.96	mg/kg	0.0026	ND
1,1,2,2-Tetrachloroethane	0.96	mg/kg	0.0026	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.96	mg/kg	0.0026	ND
1,1,2-Trichloroethane	0.96	mg/kg	0.0026	ND
1,1-Dichloroethane	0.96	mg/kg	0.0026	ND
1,1-Dichloroethene	0.96	mg/kg	0.0026	ND
1,2,3-Trichlorobenzene	0.96	mg/kg	0.0026	ND
1,2,4-Trichlorobenzene	0.96	mg/kg	0.0026	ND
1,2-Dibromo-3-chloropropane	0.96	mg/kg	0.0026	ND
1,2-Dibromoethane	0.96	mg/kg	0.0013	ND
1,2-Dichlorobenzene	0.96	mg/kg	0.0026	ND
1,2-Dichloroethane	0.96	mg/kg	0.0026	ND
1,2-Dichloropropane	0.96	mg/kg	0.0026	ND
1,3-Dichlorobenzene	0.96	mg/kg	0.0026	ND
1,3-Dichloropropene (Total)	0.96	mg/kg	0.0026	ND
1,4-Dichlorobenzene	0.96	mg/kg	0.0026	ND
1,4-Dioxane	0.96	mg/kg	0.13	ND
2-Butanone	**0.96**	**mg/kg**	**0.0026**	**0.12**
2-Hexanone	0.96	mg/kg	0.0026	ND
4-Methyl-2-pentanone	0.96	mg/kg	0.0026	ND
Acetone	**0.96**	**mg/kg**	**0.013**	**0.44**
Benzene	0.96	mg/kg	0.0013	ND
Bromochloromethane	0.96	mg/kg	0.0026	ND
Bromodichloromethane	0.96	mg/kg	0.0026	ND
Bromoform	0.96	mg/kg	0.0026	ND
Bromomethane	0.96	mg/kg	0.0026	ND
Carbon disulfide	**0.96**	**mg/kg**	**0.0066**	**0.029**

Sample ID:	**SB-20-9.5-10.0'**	**Collection Date:**	**12/4/2024**
Lab#:	**AD48506-016**	**Receipt Date:**	**12/4/2024**
Matrix:	**Soil**		

Carbon tetrachloride	0.96	mg/kg	0.0026	ND
Chlorobenzene	0.96	mg/kg	0.0026	ND
Chloroethane	0.96	mg/kg	0.0026	ND
Chloroform	0.96	mg/kg	0.0026	ND
Chloromethane	0.96	mg/kg	0.0026	ND
cis-1,2-Dichloroethene	0.96	mg/kg	0.0026	ND
cis-1,3-Dichloropropene	0.96	mg/kg	0.0026	ND
Cyclohexane	0.96	mg/kg	0.0026	ND
Dibromochloromethane	0.96	mg/kg	0.0026	ND
Dichlorodifluoromethane	0.96	mg/kg	0.0026	ND
Ethylbenzene	0.96	mg/kg	0.0013	ND
Isopropylbenzene	**0.96**	**mg/kg**	**0.0013**	**0.0024**
m&p-Xylenes	0.96	mg/kg	0.0018	ND
Methyl Acetate	0.96	mg/kg	0.0026	ND
Methylcyclohexane	0.96	mg/kg	0.0026	ND
Methylene chloride	**0.96**	**mg/kg**	**0.0026**	**0.085**
Methyl-t-butyl ether	0.96	mg/kg	0.0013	ND
o-Xylene	**0.96**	**mg/kg**	**0.0013**	**0.0014**
Styrene	0.96	mg/kg	0.0026	ND
Tetrachloroethene	0.96	mg/kg	0.0026	ND
Toluene	0.96	mg/kg	0.0013	ND
trans-1,2-Dichloroethene	0.96	mg/kg	0.0026	ND
trans-1,3-Dichloropropene	0.96	mg/kg	0.0026	ND
Trichloroethene	0.96	mg/kg	0.0026	ND
Trichlorofluoromethane	0.96	mg/kg	0.0026	ND
Vinyl chloride	0.96	mg/kg	0.0026	ND
Xylenes (Total)	**0.96**	**mg/kg**	**0.0013**	**0.0014**

Sample ID: SB-20-COMP
Lab#: AD48506-017
Matrix: Soil
Collection Date: 12/4/2024
Receipt Date: 12/4/2024

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**68**

Diesel Range Organics 8015D(C10-C28)

Analyte	DF	Units	RL	Result
Diesel Range Organics	**1**	**mg/kg**	**88**	**370**

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	95.4	mg/kg	35	ND

Ignitability (EPA 1030)

Analyte	DF	Units	RL	Result
Burning Rate (mm/sec)	**1**			**NA**
Flame Propagation (POS/NEG)	**1**			**NEG**
Ignitability (POS/NEG)	**1**			**NEG**

Mercury (TCLP) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	mg/l	0.00050	ND

pH 9045D

Analyte	DF	Units	RL	Result
pH	**1**	**ph**		**8.1**
Temperature	**1**	**c**		**20.4**

Reactive Cyanide

Analyte	DF	Units	RL	Result
Cyanide (Reactive)	1	mg/kg	0.50	ND

Reactive Sulfide

Analyte	DF	Units	RL	Result
Sulfide (Reactive)	1	mg/kg	100	ND

TCLP Metals 6010D

Analyte	DF	Units	RL	Result
Arsenic	1	mg/l	0.10	ND
Barium	**1**	**mg/l**	**0.25**	**1.4**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**5**	**mg/l**	**0.25**	**2.9**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

Sample ID: SB-19-9.5-10.0' **Collection Date:** 12/4/2024
Lab#: AD48506-018 **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		75

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.11	0.33

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0067	ND
Aldrin	1	mg/kg	0.0067	ND
Alpha-BHC	1	mg/kg	0.0013	ND
beta-BHC	1	mg/kg	0.0013	ND
Chlordane (Total)	1	mg/kg	0.0067	ND
delta-BHC	1	mg/kg	0.0067	ND
Dieldrin	1	mg/kg	0.0013	ND
Endosulfan I	1	mg/kg	0.0067	ND
Endosulfan II	1	mg/kg	0.0067	ND
Endosulfan Sulfate	1	mg/kg	0.0067	ND
Endrin	1	mg/kg	0.0067	ND
Endrin Aldehyde	1	mg/kg	0.0067	ND
Endrin Ketone	1	mg/kg	0.0067	ND
gamma-BHC	1	mg/kg	0.0013	ND
Heptachlor	1	mg/kg	0.0067	ND
Heptachlor Epoxide	1	mg/kg	0.0067	ND
Methoxychlor	1	mg/kg	0.0067	ND
p,p'-DDD	1	mg/kg	0.0033	ND
p,p'-DDE	1	mg/kg	0.0033	ND
p,p'-DDT	1	mg/kg	0.0033	ND
Toxaphene	1	mg/kg	0.033	ND
y-Chlordane	1	mg/kg	0.0067	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.033	ND
Aroclor-1016	1	mg/kg	0.033	ND
Aroclor-1221	1	mg/kg	0.033	ND
Aroclor-1232	1	mg/kg	0.033	ND
Aroclor-1242	1	mg/kg	0.033	ND
Aroclor-1248	1	mg/kg	0.033	ND
Aroclor-1254	1	mg/kg	0.033	ND
Aroclor-1260	1	mg/kg	0.033	ND
Aroclor-1262	1	mg/kg	0.033	ND
Aroclor-1268	1	mg/kg	0.033	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	10	mg/kg	0.44	ND
1,2,4,5-Tetrachlorobenzene	10	mg/kg	0.44	ND
1,4-Dioxane	10	mg/kg	0.44	ND
2,3,4,6-Tetrachlorophenol	10	mg/kg	0.44	ND
2,4,5-Trichlorophenol	10	mg/kg	0.44	ND
2,4,6-Trichlorophenol	10	mg/kg	0.44	ND
2,4-Dichlorophenol	10	mg/kg	0.44	ND
2,4-Dimethylphenol	10	mg/kg	0.44	ND
2,4-Dinitrophenol	10	mg/kg	2.2	ND

Sample ID:	**SB-19-9.5-10.0'**
Lab#:	**AD48506-018**
Matrix:	**Soil**
Collection Date:	**12/4/2024**
Receipt Date:	**12/4/2024**

2,4-Dinitrotoluene	10	mg/kg	0.44	ND
2,6-Dinitrotoluene	10	mg/kg	0.44	ND
2-Chloronaphthalene	10	mg/kg	0.44	ND
2-Chlorophenol	10	mg/kg	0.44	ND
2-Methylnaphthalene	**10**	**mg/kg**	**0.44**	**2.4**
2-Methylphenol	10	mg/kg	0.44	ND
2-Nitroaniline	10	mg/kg	0.44	ND
2-Nitrophenol	10	mg/kg	0.44	ND
3&4-Methylphenol	10	mg/kg	0.44	ND
3,3'-Dichlorobenzidine	10	mg/kg	0.44	ND
3-Nitroaniline	10	mg/kg	0.44	ND
4,6-Dinitro-2-methylphenol	10	mg/kg	2.2	ND
4-Bromophenyl-phenylether	10	mg/kg	0.44	ND
4-Chloro-3-methylphenol	10	mg/kg	0.44	ND
4-Chloroaniline	10	mg/kg	0.44	ND
4-Chlorophenyl-phenylether	10	mg/kg	0.44	ND
4-Nitroaniline	10	mg/kg	0.44	ND
4-Nitrophenol	10	mg/kg	0.44	ND
Acenaphthene	**10**	**mg/kg**	**0.44**	**1.1**
Acenaphthylene	10	mg/kg	0.44	ND
Acetophenone	10	mg/kg	0.44	ND
Anthracene	10	mg/kg	0.44	ND
Atrazine	10	mg/kg	0.44	ND
Benzaldehyde	10	mg/kg	0.44	ND
Benzo[a]anthracene	**10**	**mg/kg**	**0.44**	**0.53**
Benzo[a]pyrene	**10**	**mg/kg**	**0.44**	**0.49**
Benzo[b]fluoranthene	**10**	**mg/kg**	**0.44**	**0.80**
Benzo[g,h,i]perylene	10	mg/kg	0.44	ND
Benzo[k]fluoranthene	10	mg/kg	0.44	ND
bis(2-Chloroethoxy)methane	10	mg/kg	0.44	ND
bis(2-Chloroethyl)ether	10	mg/kg	0.17	ND
bis(2-Chloroisopropyl)ether	10	mg/kg	0.44	ND
bis(2-Ethylhexyl)phthalate	10	mg/kg	0.44	ND
Butylbenzylphthalate	10	mg/kg	0.44	ND
Caprolactam	10	mg/kg	0.44	ND
Carbazole	10	mg/kg	0.44	ND
Chrysene	**10**	**mg/kg**	**0.44**	**0.96**
Dibenzo[a,h]anthracene	10	mg/kg	0.44	ND
Dibenzofuran	**10**	**mg/kg**	**0.44**	**1.1**
Diethylphthalate	10	mg/kg	0.44	ND
Dimethylphthalate	10	mg/kg	0.44	ND
Di-n-butylphthalate	10	mg/kg	2.2	ND
Di-n-octylphthalate	10	mg/kg	0.44	ND
Fluoranthene	**10**	**mg/kg**	**0.44**	**1.0**
Fluorene	**10**	**mg/kg**	**0.44**	**1.4**
Hexachlorobenzene	10	mg/kg	0.44	ND
Hexachlorobutadiene	10	mg/kg	0.44	ND
Hexachlorocyclopentadiene	10	mg/kg	2.2	ND
Hexachloroethane	10	mg/kg	0.44	ND
Indeno[1,2,3-cd]pyrene	10	mg/kg	0.44	ND
Isophorone	10	mg/kg	0.44	ND
Naphthalene	**10**	**mg/kg**	**0.44**	**0.62**
Nitrobenzene	10	mg/kg	0.44	ND
N-Nitroso-di-n-propylamine	10	mg/kg	0.44	ND
N-Nitrosodiphenylamine	10	mg/kg	0.44	ND
Pentachlorophenol	10	mg/kg	2.2	ND
Phenanthrene	**10**	**mg/kg**	**0.44**	**2.8**

Sample ID:	**SB-19-9.5-10.0'**	**Collection Date:**	**12/4/2024**
Lab#:	**AD48506-018**	**Receipt Date:**	**12/4/2024**
Matrix:	**Soil**		

Phenol	10	mg/kg	0.44	ND
Pyrene	**10**	**mg/kg**	**0.44**	**0.77**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**27**	**3900**
Antimony	**1**	**mg/kg**	**0.40**	**1.4**
Arsenic	**1**	**mg/kg**	**0.27**	**7.5**
Barium	**1**	**mg/kg**	**0.67**	**270**
Beryllium	**1**	**mg/kg**	**0.13**	**0.25**
Cadmium	**1**	**mg/kg**	**0.27**	**3.4**
Calcium	**1**	**mg/kg**	**130**	**5400**
Chromium	**1**	**mg/kg**	**0.27**	**19**
Cobalt	**1**	**mg/kg**	**0.27**	**3.3**
Copper	**1**	**mg/kg**	**1.3**	**88**
Iron	**1**	**mg/kg**	**40**	**23000**
Lead	**1**	**mg/kg**	**0.40**	**600**
Magnesium	**1**	**mg/kg**	**130**	**1000**
Manganese	**1**	**mg/kg**	**1.3**	**430**
Nickel	**1**	**mg/kg**	**1.3**	**12**
Potassium	**1**	**mg/kg**	**130**	**510**
Selenium	**1**	**mg/kg**	**1.3**	**1.7**
Silver	**1**	**mg/kg**	**0.27**	**3.4**
Sodium	1	mg/kg	130	ND
Thallium	1	mg/kg	0.27	ND
Vanadium	**1**	**mg/kg**	**0.27**	**15**
Zinc	**1**	**mg/kg**	**5.3**	**480**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.978	mg/kg	0.0026	ND
1,1,2,2-Tetrachloroethane	0.978	mg/kg	0.0026	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.978	mg/kg	0.0026	ND
1,1,2-Trichloroethane	0.978	mg/kg	0.0026	ND
1,1-Dichloroethane	0.978	mg/kg	0.0026	ND
1,1-Dichloroethene	0.978	mg/kg	0.0026	ND
1,2,3-Trichlorobenzene	0.978	mg/kg	0.0026	ND
1,2,4-Trichlorobenzene	0.978	mg/kg	0.0026	ND
1,2-Dibromo-3-chloropropane	0.978	mg/kg	0.0026	ND
1,2-Dibromoethane	0.978	mg/kg	0.0013	ND
1,2-Dichlorobenzene	0.978	mg/kg	0.0026	ND
1,2-Dichloroethane	0.978	mg/kg	0.0026	ND
1,2-Dichloropropane	0.978	mg/kg	0.0026	ND
1,3-Dichlorobenzene	0.978	mg/kg	0.0026	ND
1,3-Dichloropropene (Total)	0.978	mg/kg	0.0026	ND
1,4-Dichlorobenzene	0.978	mg/kg	0.0026	ND
1,4-Dioxane	0.978	mg/kg	0.13	ND
2-Butanone	**0.978**	**mg/kg**	**0.0026**	**0.071**
2-Hexanone	0.978	mg/kg	0.0026	ND
4-Methyl-2-pentanone	0.978	mg/kg	0.0026	ND
Acetone	**0.978**	**mg/kg**	**0.013**	**0.26**
Benzene	**0.978**	**mg/kg**	**0.0013**	**0.0029**
Bromochloromethane	0.978	mg/kg	0.0026	ND
Bromodichloromethane	0.978	mg/kg	0.0026	ND
Bromoform	0.978	mg/kg	0.0026	ND
Bromomethane	0.978	mg/kg	0.0026	ND
Carbon disulfide	0.978	mg/kg	0.0065	ND

Sample ID:	**SB-19-9.5-10.0'**			**Collection Date:**	**12/4/2024**
Lab#:	**AD48506-018**			**Receipt Date:**	**12/4/2024**
Matrix:	**Soil**				

Carbon tetrachloride	0.978	mg/kg	0.0026	ND
Chlorobenzene	**0.978**	**mg/kg**	**0.0026**	**0.0085**
Chloroethane	0.978	mg/kg	0.0026	ND
Chloroform	0.978	mg/kg	0.0026	ND
Chloromethane	0.978	mg/kg	0.0026	ND
cis-1,2-Dichloroethene	0.978	mg/kg	0.0026	ND
cis-1,3-Dichloropropene	0.978	mg/kg	0.0026	ND
Cyclohexane	**0.978**	**mg/kg**	**0.0026**	**0.0068**
Dibromochloromethane	0.978	mg/kg	0.0026	ND
Dichlorodifluoromethane	0.978	mg/kg	0.0026	ND
Ethylbenzene	**0.978**	**mg/kg**	**0.0013**	**0.0022**
Isopropylbenzene	**0.978**	**mg/kg**	**0.0013**	**0.016**
m&p-Xylenes	**0.978**	**mg/kg**	**0.0018**	**0.020**
Methyl Acetate	0.978	mg/kg	0.0026	ND
Methylcyclohexane	**0.978**	**mg/kg**	**0.0026**	**0.037**
Methylene chloride	**0.978**	**mg/kg**	**0.0026**	**0.029**
Methyl-t-butyl ether	0.978	mg/kg	0.0013	ND
o-Xylene	**0.978**	**mg/kg**	**0.0013**	**0.020**
Styrene	0.978	mg/kg	0.0026	ND
Tetrachloroethene	0.978	mg/kg	0.0026	ND
Toluene	**0.978**	**mg/kg**	**0.0013**	**0.0018**
trans-1,2-Dichloroethene	0.978	mg/kg	0.0026	ND
trans-1,3-Dichloropropene	0.978	mg/kg	0.0026	ND
Trichloroethene	0.978	mg/kg	0.0026	ND
Trichlorofluoromethane	0.978	mg/kg	0.0026	ND
Vinyl chloride	0.978	mg/kg	0.0026	ND
Xylenes (Total)	**0.978**	**mg/kg**	**0.0013**	**0.040**

Sample ID: SB-14-9.5-10.0' **Collection Date:** 12/4/2024
Lab#: AD48506-019 **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**86**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.097**	**0.88**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0058	ND
Aldrin	1	mg/kg	0.0058	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0058	ND
delta-BHC	1	mg/kg	0.0058	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0058	ND
Endosulfan II	1	mg/kg	0.0058	ND
Endosulfan Sulfate	1	mg/kg	0.0058	ND
Endrin	1	mg/kg	0.0058	ND
Endrin Aldehyde	1	mg/kg	0.0058	ND
Endrin Ketone	1	mg/kg	0.0058	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0058	ND
Heptachlor Epoxide	1	mg/kg	0.0058	ND
Methoxychlor	1	mg/kg	0.0058	ND
p,p'-DDD	1	mg/kg	0.0029	ND
p,p'-DDE	1	mg/kg	0.0029	ND
p,p'-DDT	1	mg/kg	0.0029	ND
Toxaphene	1	mg/kg	0.029	ND
y-Chlordane	1	mg/kg	0.0058	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.029**	**0.037**
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	**1**	**mg/kg**	**0.029**	**0.037**
Aroclor-1268	1	mg/kg	0.029	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.039	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.039	ND
1,4-Dioxane	1	mg/kg	0.039	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.039	ND
2,4,5-Trichlorophenol	1	mg/kg	0.039	ND
2,4,6-Trichlorophenol	1	mg/kg	0.039	ND
2,4-Dichlorophenol	1	mg/kg	0.039	ND
2,4-Dimethylphenol	1	mg/kg	0.039	ND
2,4-Dinitrophenol	1	mg/kg	0.19	ND

Sample ID:	**SB-14-9.5-10.0'**		**Collection Date:**	**12/4/2024**
Lab#:	**AD48506-019**		**Receipt Date:**	**12/4/2024**
Matrix:	**Soil**			

2,4-Dinitrotoluene	1	mg/kg	0.039	ND
2,6-Dinitrotoluene	1	mg/kg	0.039	ND
2-Chloronaphthalene	1	mg/kg	0.039	ND
2-Chlorophenol	1	mg/kg	0.039	ND
2-Methylnaphthalene	1	mg/kg	0.039	ND
2-Methylphenol	1	mg/kg	0.039	ND
2-Nitroaniline	1	mg/kg	0.039	ND
2-Nitrophenol	1	mg/kg	0.039	ND
3&4-Methylphenol	1	mg/kg	0.039	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.039	ND
3-Nitroaniline	1	mg/kg	0.039	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.19	ND
4-Bromophenyl-phenylether	1	mg/kg	0.039	ND
4-Chloro-3-methylphenol	1	mg/kg	0.039	ND
4-Chloroaniline	1	mg/kg	0.039	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.039	ND
4-Nitroaniline	1	mg/kg	0.039	ND
4-Nitrophenol	1	mg/kg	0.039	ND
Acenaphthene	1	mg/kg	0.039	ND
Acenaphthylene	1	mg/kg	0.039	ND
Acetophenone	1	mg/kg	0.039	ND
Anthracene	**1**	**mg/kg**	**0.039**	**0.047**
Atrazine	1	mg/kg	0.039	ND
Benzaldehyde	1	mg/kg	0.039	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.039**	**0.19**
Benzo[a]pyrene	**1**	**mg/kg**	**0.039**	**0.20**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.039**	**0.26**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.039**	**0.13**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.039**	**0.092**
bis(2-Chloroethoxy)methane	1	mg/kg	0.039	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.015	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.039	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.039	ND
Butylbenzylphthalate	1	mg/kg	0.039	ND
Caprolactam	1	mg/kg	0.039	ND
Carbazole	1	mg/kg	0.039	ND
Chrysene	**1**	**mg/kg**	**0.039**	**0.19**
Dibenzo[a,h]anthracene	1	mg/kg	0.039	ND
Dibenzofuran	1	mg/kg	0.039	ND
Diethylphthalate	1	mg/kg	0.039	ND
Dimethylphthalate	1	mg/kg	0.039	ND
Di-n-butylphthalate	1	mg/kg	0.19	ND
Di-n-octylphthalate	1	mg/kg	0.039	ND
Fluoranthene	**1**	**mg/kg**	**0.039**	**0.33**
Fluorene	1	mg/kg	0.039	ND
Hexachlorobenzene	1	mg/kg	0.039	ND
Hexachlorobutadiene	1	mg/kg	0.039	ND
Hexachlorocyclopentadiene	1	mg/kg	0.19	ND
Hexachloroethane	1	mg/kg	0.039	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.039**	**0.15**
Isophorone	1	mg/kg	0.039	ND
Naphthalene	**1**	**mg/kg**	**0.039**	**0.059**
Nitrobenzene	1	mg/kg	0.039	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.039	ND
N-Nitrosodiphenylamine	1	mg/kg	0.039	ND
Pentachlorophenol	1	mg/kg	0.19	ND
Phenanthrene	**1**	**mg/kg**	**0.039**	**0.16**

Sample ID: SB-14-9.5-10.0' **Collection Date:** 12/4/2024
Lab#: AD48506-019 **Receipt Date:** 12/4/2024
Matrix: Soil

Phenol	1	mg/kg	0.039	ND
Pyrene	**1**	**mg/kg**	**0.039**	**0.30**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**23**	**4500**
Antimony	**1**	**mg/kg**	**0.35**	**0.51**
Arsenic	**1**	**mg/kg**	**0.23**	**5.0**
Barium	**1**	**mg/kg**	**0.58**	**100**
Beryllium	**1**	**mg/kg**	**0.12**	**0.33**
Cadmium	**1**	**mg/kg**	**0.23**	**0.44**
Calcium	**1**	**mg/kg**	**120**	**3900**
Chromium	**1**	**mg/kg**	**0.23**	**14**
Cobalt	**1**	**mg/kg**	**0.23**	**8.9**
Copper	**1**	**mg/kg**	**1.2**	**37**
Iron	**1**	**mg/kg**	**35**	**13000**
Lead	**1**	**mg/kg**	**0.35**	**100**
Magnesium	**1**	**mg/kg**	**120**	**2100**
Manganese	**1**	**mg/kg**	**1.2**	**280**
Nickel	**1**	**mg/kg**	**1.2**	**23**
Potassium	**1**	**mg/kg**	**120**	**760**
Selenium	**1**	**mg/kg**	**1.2**	**2.4**
Silver	1	mg/kg	0.23	ND
Sodium	1	mg/kg	120	ND
Thallium	1	mg/kg	0.23	ND
Vanadium	**1**	**mg/kg**	**0.23**	**16**
Zinc	**1**	**mg/kg**	**4.7**	**220**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.94	mg/kg	0.0022	ND
1,1,2,2-Tetrachloroethane	0.94	mg/kg	0.0022	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.94	mg/kg	0.0022	ND
1,1,2-Trichloroethane	0.94	mg/kg	0.0022	ND
1,1-Dichloroethane	0.94	mg/kg	0.0022	ND
1,1-Dichloroethene	0.94	mg/kg	0.0022	ND
1,2,3-Trichlorobenzene	0.94	mg/kg	0.0022	ND
1,2,4-Trichlorobenzene	0.94	mg/kg	0.0022	ND
1,2-Dibromo-3-chloropropane	0.94	mg/kg	0.0022	ND
1,2-Dibromoethane	0.94	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.94	mg/kg	0.0022	ND
1,2-Dichloroethane	0.94	mg/kg	0.0022	ND
1,2-Dichloropropane	0.94	mg/kg	0.0022	ND
1,3-Dichlorobenzene	0.94	mg/kg	0.0022	ND
1,3-Dichloropropene (Total)	0.94	mg/kg	0.0022	ND
1,4-Dichlorobenzene	0.94	mg/kg	0.0022	ND
1,4-Dioxane	0.94	mg/kg	0.11	ND
2-Butanone	**0.94**	**mg/kg**	**0.0022**	**0.0086**
2-Hexanone	0.94	mg/kg	0.0022	ND
4-Methyl-2-pentanone	0.94	mg/kg	0.0022	ND
Acetone	**0.94**	**mg/kg**	**0.011**	**0.046**
Benzene	0.94	mg/kg	0.0011	ND
Bromochloromethane	0.94	mg/kg	0.0022	ND
Bromodichloromethane	0.94	mg/kg	0.0022	ND
Bromoform	0.94	mg/kg	0.0022	ND
Bromomethane	0.94	mg/kg	0.0022	ND
Carbon disulfide	0.94	mg/kg	0.0055	ND

Sample ID: SB-14-9.5-10.0' **Collection Date:** 12/4/2024
Lab#: AD48506-019 **Receipt Date:** 12/4/2024
Matrix: Soil

Carbon tetrachloride	0.94	mg/kg	0.0022	ND
Chlorobenzene	0.94	mg/kg	0.0022	ND
Chloroethane	0.94	mg/kg	0.0022	ND
Chloroform	0.94	mg/kg	0.0022	ND
Chloromethane	0.94	mg/kg	0.0022	ND
cis-1,2-Dichloroethene	0.94	mg/kg	0.0022	ND
cis-1,3-Dichloropropene	0.94	mg/kg	0.0022	ND
Cyclohexane	0.94	mg/kg	0.0022	ND
Dibromochloromethane	0.94	mg/kg	0.0022	ND
Dichlorodifluoromethane	0.94	mg/kg	0.0022	ND
Ethylbenzene	0.94	mg/kg	0.0011	ND
Isopropylbenzene	0.94	mg/kg	0.0011	ND
m&p-Xylenes	0.94	mg/kg	0.0015	ND
Methyl Acetate	0.94	mg/kg	0.0022	ND
Methylcyclohexane	0.94	mg/kg	0.0022	ND
Methylene chloride	**0.94**	**mg/kg**	**0.0022**	**0.033**
Methyl-t-butyl ether	0.94	mg/kg	0.0011	ND
o-Xylene	0.94	mg/kg	0.0011	ND
Styrene	0.94	mg/kg	0.0022	ND
Tetrachloroethene	0.94	mg/kg	0.0022	ND
Toluene	0.94	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.94	mg/kg	0.0022	ND
trans-1,3-Dichloropropene	0.94	mg/kg	0.0022	ND
Trichloroethene	0.94	mg/kg	0.0022	ND
Trichlorofluoromethane	0.94	mg/kg	0.0022	ND
Vinyl chloride	0.94	mg/kg	0.0022	ND
Xylenes (Total)	0.94	mg/kg	0.0011	ND

Sample ID: SB-08-9.5-10.0' **Collection Date:** 12/4/2024
Lab#: AD48506-020 **Receipt Date:** 12/4/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	**1**	**percent**		**88**

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	**1**	**mg/kg**	**0.095**	**0.53**

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0057	ND
Aldrin	1	mg/kg	0.0057	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane (Total)	1	mg/kg	0.0057	ND
delta-BHC	1	mg/kg	0.0057	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0057	ND
Endosulfan II	1	mg/kg	0.0057	ND
Endosulfan Sulfate	1	mg/kg	0.0057	ND
Endrin	1	mg/kg	0.0057	ND
Endrin Aldehyde	1	mg/kg	0.0057	ND
Endrin Ketone	1	mg/kg	0.0057	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0057	ND
Heptachlor Epoxide	1	mg/kg	0.0057	ND
Methoxychlor	1	mg/kg	0.0057	ND
p,p'-DDD	1	mg/kg	0.0028	ND
p,p'-DDE	1	mg/kg	0.0028	ND
p,p'-DDT	1	mg/kg	0.0028	ND
Toxaphene	1	mg/kg	0.028	ND
y-Chlordane	1	mg/kg	0.0057	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.028**	**0.067**
Aroclor-1016	1	mg/kg	0.028	ND
Aroclor-1221	1	mg/kg	0.028	ND
Aroclor-1232	1	mg/kg	0.028	ND
Aroclor-1242	1	mg/kg	0.028	ND
Aroclor-1248	1	mg/kg	0.028	ND
Aroclor-1254	1	mg/kg	0.028	ND
Aroclor-1260	1	mg/kg	0.028	ND
Aroclor-1262	**1**	**mg/kg**	**0.028**	**0.067**
Aroclor-1268	1	mg/kg	0.028	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.038	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.038	ND
1,4-Dioxane	1	mg/kg	0.038	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.038	ND
2,4,5-Trichlorophenol	1	mg/kg	0.038	ND
2,4,6-Trichlorophenol	1	mg/kg	0.038	ND
2,4-Dichlorophenol	1	mg/kg	0.038	ND
2,4-Dimethylphenol	1	mg/kg	0.038	ND
2,4-Dinitrophenol	1	mg/kg	0.19	ND

Sample ID:	**SB-08-9.5-10.0'**		**Collection Date:**	**12/4/2024**
Lab#:	**AD48506-020**		**Receipt Date:**	**12/4/2024**
Matrix:	**Soil**			

2,4-Dinitrotoluene	1	mg/kg	0.038	ND
2,6-Dinitrotoluene	1	mg/kg	0.038	ND
2-Chloronaphthalene	1	mg/kg	0.038	ND
2-Chlorophenol	1	mg/kg	0.038	ND
2-Methylnaphthalene	1	mg/kg	0.038	ND
2-Methylphenol	1	mg/kg	0.038	ND
2-Nitroaniline	1	mg/kg	0.038	ND
2-Nitrophenol	1	mg/kg	0.038	ND
3&4-Methylphenol	1	mg/kg	0.038	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.038	ND
3-Nitroaniline	1	mg/kg	0.038	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.19	ND
4-Bromophenyl-phenylether	1	mg/kg	0.038	ND
4-Chloro-3-methylphenol	1	mg/kg	0.038	ND
4-Chloroaniline	1	mg/kg	0.038	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.038	ND
4-Nitroaniline	1	mg/kg	0.038	ND
4-Nitrophenol	1	mg/kg	0.038	ND
Acenaphthene	**1**	**mg/kg**	**0.038**	**0.049**
Acenaphthylene	1	mg/kg	0.038	ND
Acetophenone	1	mg/kg	0.038	ND
Anthracene	**1**	**mg/kg**	**0.038**	**0.11**
Atrazine	1	mg/kg	0.038	ND
Benzaldehyde	1	mg/kg	0.038	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.038**	**0.41**
Benzo[a]pyrene	**1**	**mg/kg**	**0.038**	**0.43**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.038**	**0.59**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.038**	**0.30**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.038**	**0.18**
bis(2-Chloroethoxy)methane	1	mg/kg	0.038	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.014	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.038	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.038	ND
Butylbenzylphthalate	1	mg/kg	0.038	ND
Caprolactam	1	mg/kg	0.038	ND
Carbazole	**1**	**mg/kg**	**0.038**	**0.055**
Chrysene	**1**	**mg/kg**	**0.038**	**0.43**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.038**	**0.079**
Dibenzofuran	1	mg/kg	0.038	ND
Diethylphthalate	1	mg/kg	0.038	ND
Dimethylphthalate	1	mg/kg	0.038	ND
Di-n-butylphthalate	1	mg/kg	0.19	ND
Di-n-octylphthalate	1	mg/kg	0.038	ND
Fluoranthene	**1**	**mg/kg**	**0.038**	**0.81**
Fluorene	**1**	**mg/kg**	**0.038**	**0.054**
Hexachlorobenzene	1	mg/kg	0.038	ND
Hexachlorobutadiene	1	mg/kg	0.038	ND
Hexachlorocyclopentadiene	1	mg/kg	0.19	ND
Hexachloroethane	1	mg/kg	0.038	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.038**	**0.34**
Isophorone	1	mg/kg	0.038	ND
Naphthalene	**1**	**mg/kg**	**0.038**	**0.053**
Nitrobenzene	1	mg/kg	0.038	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.038	ND
N-Nitrosodiphenylamine	1	mg/kg	0.038	ND
Pentachlorophenol	1	mg/kg	0.19	ND
Phenanthrene	**1**	**mg/kg**	**0.038**	**0.52**

Sample ID:	**SB-08-9.5-10.0'**	**Collection Date:**	**12/4/2024**
Lab#:	**AD48506-020**	**Receipt Date:**	**12/4/2024**
Matrix:	**Soil**		

Phenol	1	mg/kg	0.038	ND
Pyrene	**1**	**mg/kg**	**0.038**	**0.73**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**23**	**6700**
Antimony	**1**	**mg/kg**	**0.35**	**0.89**
Arsenic	**1**	**mg/kg**	**0.23**	**5.2**
Barium	**1**	**mg/kg**	**0.58**	**150**
Beryllium	**1**	**mg/kg**	**0.12**	**0.46**
Cadmium	**1**	**mg/kg**	**0.23**	**0.72**
Calcium	**1**	**mg/kg**	**120**	**1800**
Chromium	**1**	**mg/kg**	**0.23**	**20**
Cobalt	**1**	**mg/kg**	**0.23**	**10**
Copper	**1**	**mg/kg**	**1.2**	**89**
Iron	**1**	**mg/kg**	**35**	**15000**
Lead	**1**	**mg/kg**	**0.35**	**220**
Magnesium	**1**	**mg/kg**	**120**	**2100**
Manganese	**1**	**mg/kg**	**1.2**	**170**
Nickel	**1**	**mg/kg**	**1.2**	**27**
Potassium	**1**	**mg/kg**	**120**	**980**
Selenium	**1**	**mg/kg**	**1.2**	**2.3**
Silver	**1**	**mg/kg**	**0.23**	**0.53**
Sodium	1	mg/kg	120	ND
Thallium	1	mg/kg	0.23	ND
Vanadium	**1**	**mg/kg**	**0.23**	**22**
Zinc	**1**	**mg/kg**	**4.6**	**320**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.943	mg/kg	0.0021	ND
1,1,2,2-Tetrachloroethane	0.943	mg/kg	0.0021	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.943	mg/kg	0.0021	ND
1,1,2-Trichloroethane	0.943	mg/kg	0.0021	ND
1,1-Dichloroethane	0.943	mg/kg	0.0021	ND
1,1-Dichloroethene	0.943	mg/kg	0.0021	ND
1,2,3-Trichlorobenzene	0.943	mg/kg	0.0021	ND
1,2,4-Trichlorobenzene	0.943	mg/kg	0.0021	ND
1,2-Dibromo-3-chloropropane	0.943	mg/kg	0.0021	ND
1,2-Dibromoethane	0.943	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.943	mg/kg	0.0021	ND
1,2-Dichloroethane	0.943	mg/kg	0.0021	ND
1,2-Dichloropropane	0.943	mg/kg	0.0021	ND
1,3-Dichlorobenzene	0.943	mg/kg	0.0021	ND
1,3-Dichloropropene (Total)	0.943	mg/kg	0.0021	ND
1,4-Dichlorobenzene	0.943	mg/kg	0.0021	ND
1,4-Dioxane	0.943	mg/kg	0.11	ND
2-Butanone	**0.943**	**mg/kg**	**0.0021**	**0.043**
2-Hexanone	0.943	mg/kg	0.0021	ND
4-Methyl-2-pentanone	0.943	mg/kg	0.0021	ND
Acetone	**0.943**	**mg/kg**	**0.011**	**0.20**
Benzene	0.943	mg/kg	0.0011	ND
Bromochloromethane	0.943	mg/kg	0.0021	ND
Bromodichloromethane	0.943	mg/kg	0.0021	ND
Bromoform	0.943	mg/kg	0.0021	ND
Bromomethane	0.943	mg/kg	0.0021	ND
Carbon disulfide	0.943	mg/kg	0.0054	ND

Sample ID: SB-08-9.5-10.0' **Collection Date:** 12/4/2024
Lab#: AD48506-020 **Receipt Date:** 12/4/2024
Matrix: Soil

Carbon tetrachloride	0.943	mg/kg	0.0021	ND
Chlorobenzene	0.943	mg/kg	0.0021	ND
Chloroethane	0.943	mg/kg	0.0021	ND
Chloroform	0.943	mg/kg	0.0021	ND
Chloromethane	0.943	mg/kg	0.0021	ND
cis-1,2-Dichloroethene	0.943	mg/kg	0.0021	ND
cis-1,3-Dichloropropene	0.943	mg/kg	0.0021	ND
Cyclohexane	0.943	mg/kg	0.0021	ND
Dibromochloromethane	0.943	mg/kg	0.0021	ND
Dichlorodifluoromethane	0.943	mg/kg	0.0021	ND
Ethylbenzene	0.943	mg/kg	0.0011	ND
Isopropylbenzene	0.943	mg/kg	0.0011	ND
m&p-Xylenes	0.943	mg/kg	0.0015	ND
Methyl Acetate	0.943	mg/kg	0.0021	ND
Methylcyclohexane	0.943	mg/kg	0.0021	ND
Methylene chloride	**0.943**	**mg/kg**	**0.0021**	**0.043**
Methyl-t-butyl ether	0.943	mg/kg	0.0011	ND
o-Xylene	0.943	mg/kg	0.0011	ND
Styrene	0.943	mg/kg	0.0021	ND
Tetrachloroethene	0.943	mg/kg	0.0021	ND
Toluene	0.943	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.943	mg/kg	0.0021	ND
trans-1,3-Dichloropropene	0.943	mg/kg	0.0021	ND
Trichloroethene	0.943	mg/kg	0.0021	ND
Trichlorofluoromethane	0.943	mg/kg	0.0021	ND
Vinyl chloride	0.943	mg/kg	0.0021	ND
Xylenes (Total)	0.943	mg/kg	0.0011	ND

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-001
Client Id: SB-12-0-2.0'
Data File: 6M189581.D
Analysis Date: 12/05/24 16:45
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.34g
Final Vol: NA
Dilution: 0.936
Solids: 85

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0022	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
87-61-6	1,2,3-Trichlorobenzene	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
120-82-1	1,2,4-Trichlorobenzene	0.0022	U	110-82-7	Cyclohexane	0.0022	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0022	U	124-48-1	Dibromochloromethane	0.0022	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	79601-23-1	m&p-Xylenes	0.0015	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	79-20-9	Methyl Acetate	0.0022	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	108-87-2	Methylcyclohexane	0.0022	U
123-91-1	1,4-Dioxane	0.11	U	**75-09-2**	**Methylene Chloride**	**0.0022**	**0.046**
78-93-3	2-Butanone	0.0022	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0022	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0022	U	100-42-5	Styrene	0.0022	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0022	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-25-2	Bromoform	0.0022	U	79-01-6	Trichloroethene	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
75-15-0	Carbon Disulfide	0.0055	U	75-01-4	Vinyl Chloride	0.0022	U
542-75-6	1,3-Dichloropropene (Total)	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764829

Total Target Concentration 0.046

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

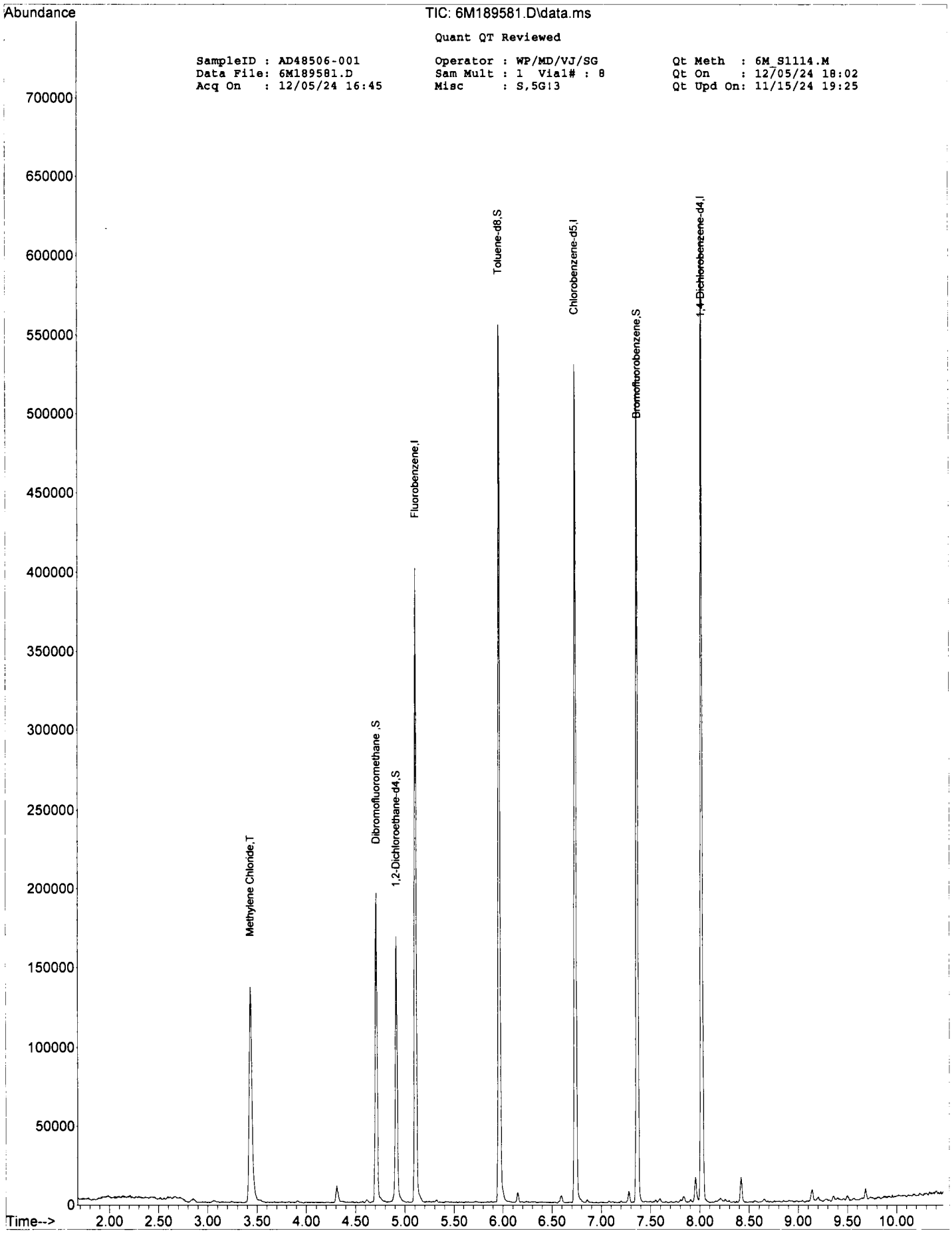
Quantitation Report (QT Reviewed)

SampleID : AD48506-001 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189581.D Sam Mult : 1 Vial# : 8 Qt On : 12/05/24 18:02
Acq On : 12/05/24 16:45 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	229390	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.737	117	218009	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	120241	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	74258	31.56	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.20%			
39) 1,2-Dichloroethane-d4	4.914	67	40064	38.46	ug/l	0.00
Spiked Amount 30.000			Recovery = 128.20%			
66) Toluene-d8	5.962	98	268335	32.45	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.17%			
76) Bromofluorobenzene	7.371	174	94224	31.02	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.40%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	71757	41.9582	ug/l	73

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189581.D\data.ms
Quant QT Reviewed
SampleID : AD48506-001
Data File: 6M189581.D
Acq On : 12/05/24 16:45
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 8
Misc : S,5G13
Qt Meth : 6M_S1114.M
Qt On : 12/05/24 18:02
Qt Upd On: 11/15/24 19:25
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-002
Client Id: SB-17-0-2.0'
Data File: 6M189582.D
Analysis Date: 12/05/24 17:07
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.29g
Final Vol: NA
Dilution: 0.945
Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0023	U	56-23-5	Carbon Tetrachloride	0.0023	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	108-90-7	Chlorobenzene	0.0023	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0023	U	75-00-3	Chloroethane	0.0023	U
79-00-5	1,1,2-Trichloroethane	0.0023	U	67-66-3	Chloroform	0.0023	U
75-34-3	1,1-Dichloroethane	0.0023	U	74-87-3	Chloromethane	0.0023	U
75-35-4	1,1-Dichloroethene	0.0023	U	156-59-2	cis-1,2-Dichloroethene	0.0023	U
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	10061-01-5	cis-1,3-Dichloropropene	0.0023	U
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	110-82-7	Cyclohexane	0.0023	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0023	U	124-48-1	Dibromochloromethane	0.0023	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0023	U
95-50-1	1,2-Dichlorobenzene	0.0023	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0023	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0023	U	79601-23-1	m&p-Xylenes	0.0016	U
541-73-1	1,3-Dichlorobenzene	0.0023	U	79-20-9	Methyl Acetate	0.0023	U
106-46-7	1,4-Dichlorobenzene	0.0023	U	108-87-2	Methylcyclohexane	0.0023	U
123-91-1	1,4-Dioxane	0.11	U	**75-09-2**	**Methylene Chloride**	**0.0023**	**0.038**
78-93-3	2-Butanone	0.0023	U	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0023	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0023	U	100-42-5	Styrene	0.0023	U
67-64-1	Acetone	0.011	U	127-18-4	Tetrachloroethene	0.0023	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0023	U	156-60-5	trans-1,2-Dichloroethene	0.0023	U
75-27-4	Bromodichloromethane	0.0023	U	10061-02-6	trans-1,3-Dichloropropene	0.0023	U
75-25-2	Bromoform	0.0023	U	79-01-6	Trichloroethene	0.0023	U
74-83-9	Bromomethane	0.0023	U	75-69-4	Trichlorofluoromethane	0.0023	U
75-15-0	Carbon Disulfide	0.0056	U	75-01-4	Vinyl Chloride	0.0023	U
542-75-6	1,3-Dichloropropene (Total)	0.0023	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764829

Total Target Concentration 0.038

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

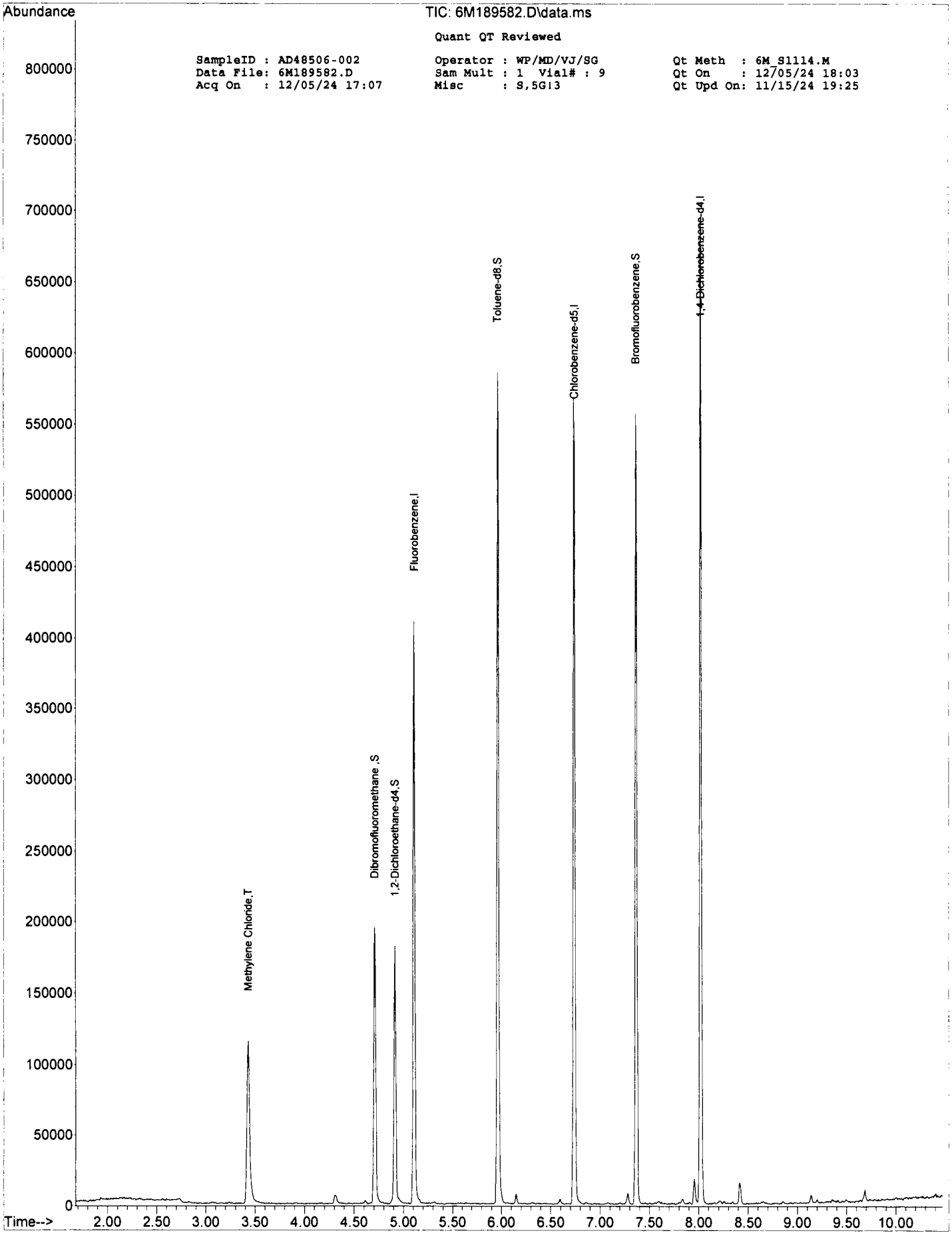
Quantitation Report (QT Reviewed)

SampleID : AD48506-002 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189582.D Sam Mult : 1 Vial# : 9 Qt On : 12/05/24 18:03
Acq On : 12/05/24 17:07 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	236992	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	231771	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	134045	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.707	111	76945	31.65	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.50%			
39) 1,2-Dichloroethane-d4	4.914	67	43902	40.79	ug/l	0.00
Spiked Amount 30.000			Recovery = 135.97%			
66) Toluene-d8	5.962	98	282893	32.18	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.27%			
76) Bromofluorobenzene	7.365	174	106988	31.59	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.30%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	59706	33.7918	ug/l	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189582.D\data.ms
Quant QT Reviewed
SampleID : AD48506-002
Data File: 6M189582.D
Acq On : 12/05/24 17:07
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 9
Misc : S,5G13
Qt Meth : 6M_S1114.M
Qt On : 12/05/24 18:03
Qt Upd On: 11/15/24 19:25
Methylene Chloride,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-003
Client Id: SB-11-0-2.0'
Data File: 6M189588.D
Analysis Date: 12/05/24 19:18
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.02g
Final Vol: NA
Dilution: 0.996
Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0024	U	56-23-5	Carbon Tetrachloride	0.0024	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	108-90-7	Chlorobenzene	0.0024	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0024	U	75-00-3	Chloroethane	0.0024	U
79-00-5	1,1,2-Trichloroethane	0.0024	U	67-66-3	Chloroform	0.0024	U
75-34-3	1,1-Dichloroethane	0.0024	U	74-87-3	Chloromethane	0.0024	U
75-35-4	1,1-Dichloroethene	0.0024	U	156-59-2	cis-1,2-Dichloroethene	0.0024	U
87-61-6	1,2,3-Trichlorobenzene	0.0024	U	10061-01-5	cis-1,3-Dichloropropene	0.0024	U
120-82-1	1,2,4-Trichlorobenzene	0.0024	U	110-82-7	Cyclohexane	0.0024	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0024	U	124-48-1	Dibromochloromethane	0.0024	U
106-93-4	1,2-Dibromoethane	0.0012	U	75-71-8	Dichlorodifluoromethane	0.0024	U
95-50-1	1,2-Dichlorobenzene	0.0024	U	100-41-4	Ethylbenzene	0.0012	U
107-06-2	1,2-Dichloroethane	0.0024	U	98-82-8	Isopropylbenzene	0.0012	U
78-87-5	1,2-Dichloropropane	0.0024	U	79601-23-1	m&p-Xylenes	0.0017	U
541-73-1	1,3-Dichlorobenzene	0.0024	U	79-20-9	Methyl Acetate	0.0024	U
106-46-7	1,4-Dichlorobenzene	0.0024	U	108-87-2	Methylcyclohexane	0.0024	U
123-91-1	1,4-Dioxane	0.12	U	**75-09-2**	**Methylene Chloride**	**0.0024**	**0.028**
78-93-3	2-Butanone	0.0024	U	1634-04-4	Methyl-t-butyl ether	0.0012	U
591-78-6	2-Hexanone	0.0024	U	95-47-6	o-Xylene	0.0012	U
108-10-1	4-Methyl-2-Pentanone	0.0024	U	100-42-5	Styrene	0.0024	U
67-64-1	Acetone	0.012	U	127-18-4	Tetrachloroethene	0.0024	U
71-43-2	Benzene	0.0012	U	108-88-3	Toluene	0.0012	U
74-97-5	Bromochloromethane	0.0024	U	156-60-5	trans-1,2-Dichloroethene	0.0024	U
75-27-4	Bromodichloromethane	0.0024	U	10061-02-6	trans-1,3-Dichloropropene	0.0024	U
75-25-2	Bromoform	0.0024	U	79-01-6	Trichloroethene	0.0024	U
74-83-9	Bromomethane	0.0024	U	75-69-4	Trichlorofluoromethane	0.0024	U
75-15-0	Carbon Disulfide	0.0059	U	75-01-4	Vinyl Chloride	0.0024	U
542-75-6	1,3-Dichloropropene (Total)	0.0024	U	1330-20-7	Xylenes (Total)	0.0012	U

Worksheet #: 764829

Total Target Concentration 0.028

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

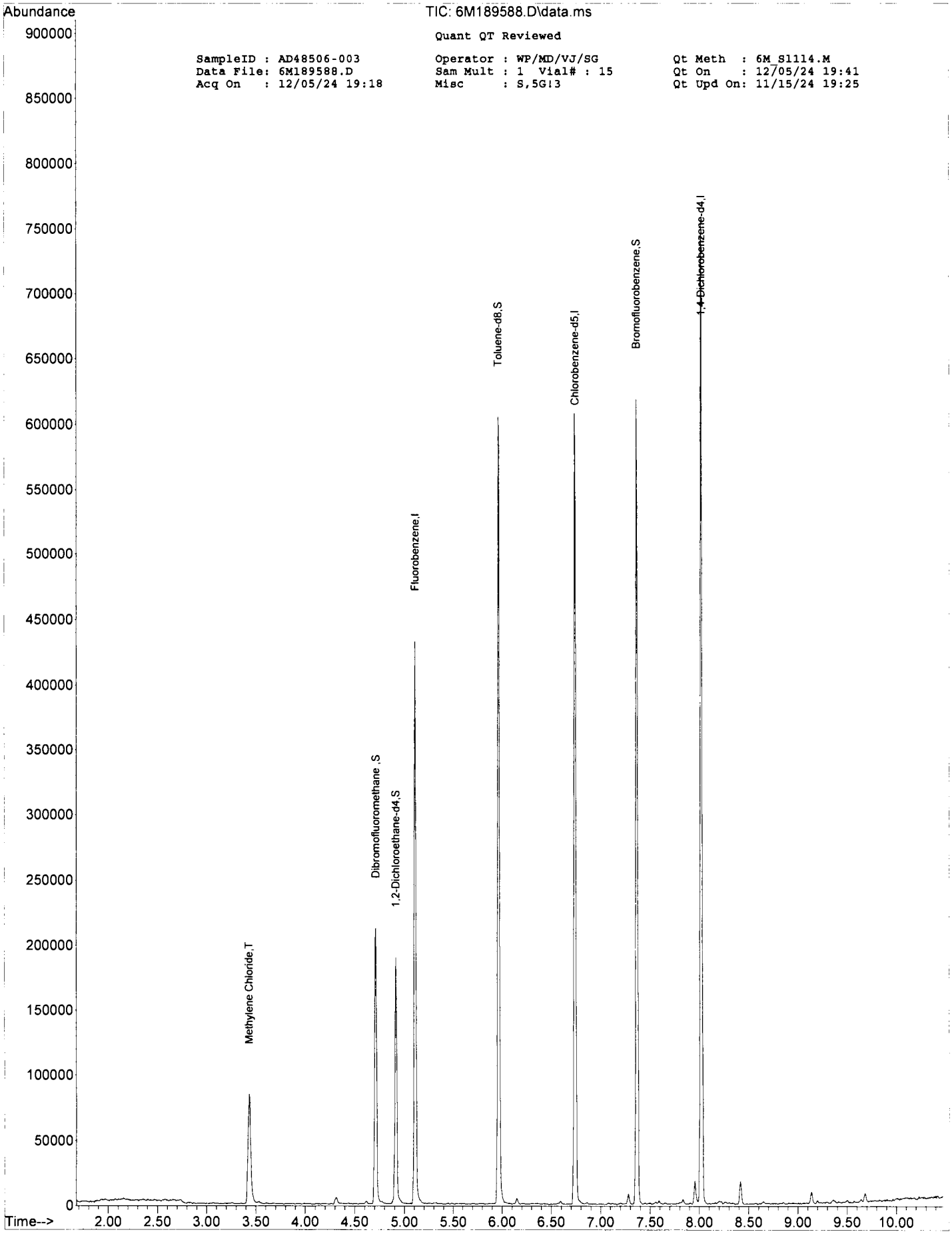
Quantitation Report (QT Reviewed)

SampleID : AD48506-003 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189588.D Sam Mult : 1 Vial# : 15 Qt On : 12/05/24 19:41
Acq On : 12/05/24 19:18 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	244477	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	243489	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	145943	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	82009	32.70	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.00%			
39) 1,2-Dichloroethane-d4	4.914	67	43043	38.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 129.23%			
66) Toluene-d8	5.962	98	294355	31.87	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.23%			
76) Bromofluorobenzene	7.364	174	116449	31.58	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.27%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	42477	23.3047	ug/l	75

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189588.D\data.ms
Quant QT Reviewed
SampleID : AD48506-003
Data File: 6M189588.D
Acq On : 12/05/24 19:18
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 15
Misc : S,5G!3
Qt Meth : 6M_S1114.M
Qt On : 12/05/24 19:41
Qt Upd On: 11/15/24 19:25
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-004
Client Id: SB-10-0-2.0'
Data File: 6M189589.D
Analysis Date: 12/05/24 19:40
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.79g
Final Vol: NA
Dilution: 0.864
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0020	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
120-82-1	1,2,4-Trichlorobenzene	0.0020	U	110-82-7	Cyclohexane	0.0020	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0020	U	124-48-1	Dibromochloromethane	0.0020	U
106-93-4	1,2-Dibromoethane	0.0010	U	75-71-8	Dichlorodifluoromethane	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	100-41-4	Ethylbenzene	0.0010	U
107-06-2	1,2-Dichloroethane	0.0020	U	98-82-8	Isopropylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0020	U	79601-23-1	m&p-Xylenes	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	79-20-9	Methyl Acetate	0.0020	U
106-46-7	1,4-Dichlorobenzene	0.0020	U	108-87-2	Methylcyclohexane	0.0020	U
123-91-1	1,4-Dioxane	0.10	U	**75-09-2**	**Methylene Chloride**	**0.0020**	**0.033**
78-93-3	2-Butanone	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
591-78-6	2-Hexanone	0.0020	U	95-47-6	o-Xylene	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.0020	U	100-42-5	Styrene	0.0020	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0020	U
71-43-2	Benzene	0.0010	U	108-88-3	Toluene	0.0010	U
74-97-5	Bromochloromethane	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-25-2	Bromoform	0.0020	U	79-01-6	Trichloroethene	0.0020	U
74-83-9	Bromomethane	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
75-15-0	Carbon Disulfide	0.0050	U	75-01-4	Vinyl Chloride	0.0020	U
542-75-6	1,3-Dichloropropene (Total)	0.0020	U	1330-20-7	Xylenes (Total)	0.0010	U

Worksheet #: 764829

Total Target Concentration 0.033

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

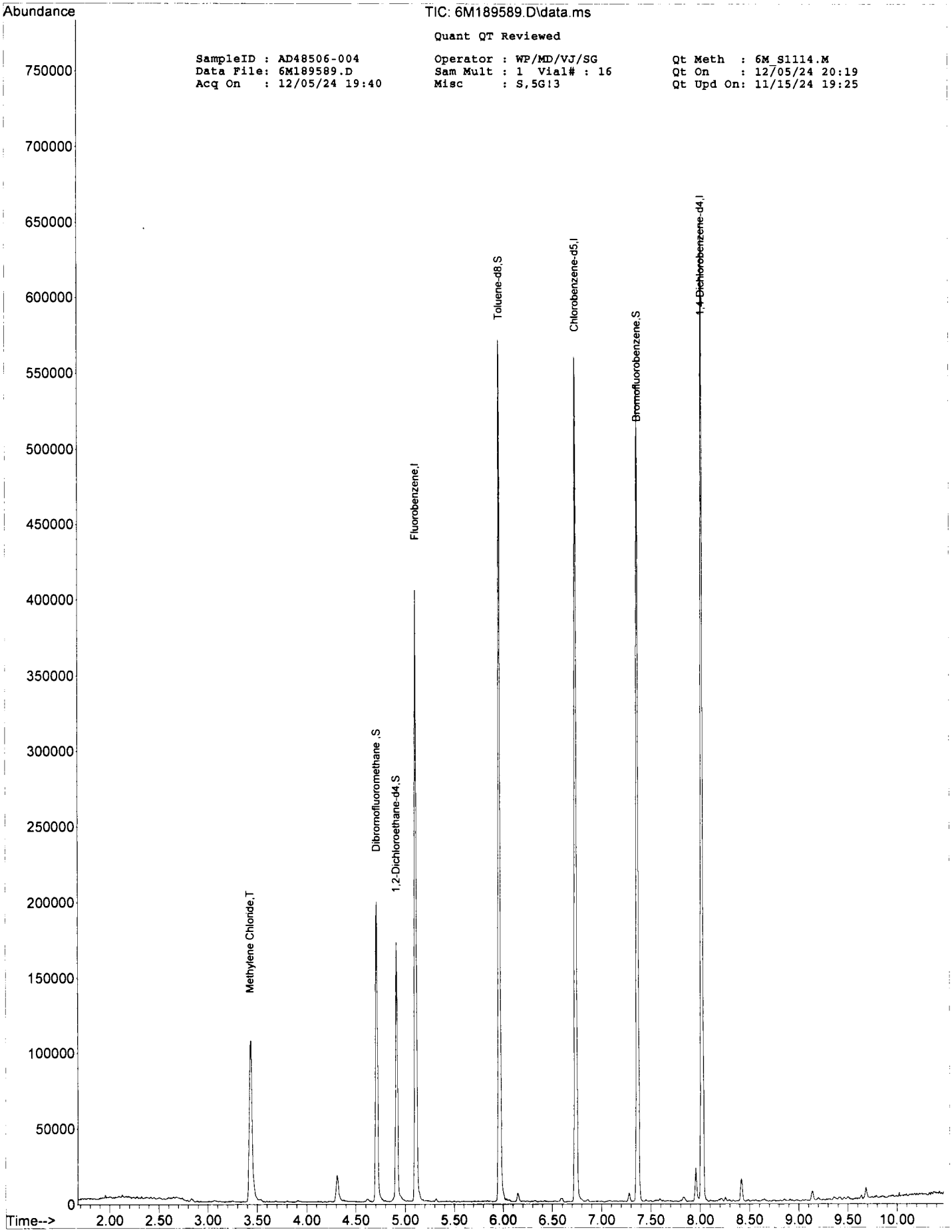
Quantitation Report (QT Reviewed)

SampleID : AD48506-004 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189589.D Sam Mult : 1 Vial# : 16 Qt On : 12/05/24 20:19
Acq On : 12/05/24 19:40 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	234566	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	230590	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	132401	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	76681	31.87	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.23%			
39) 1,2-Dichloroethane-d4	4.914	67	40301	37.83	ug/l	0.00
Spiked Amount 30.000			Recovery = 126.10%			
66) Toluene-d8	5.969	98	274665	31.41	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.70%			
76) Bromofluorobenzene	7.371	174	106035	31.70	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.67%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	57924	33.1223	ug/l	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189589.D\data.ms
Quant QT Reviewed
SampleID : AD48506-004
Data File: 6M189589.D
Acq On : 12/05/24 19:40
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 16
Misc : S,5G13
Qt Meth : 6M_S1114.M
Qt On : 12/05/24 20:19
Qt Upd On: 11/15/24 19:25
Methylene Chloride,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-005
Client Id: SB-22-0-2.0'
Data File: 6M189590.D
Analysis Date: 12/05/24 20:02
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.74g
Final Vol: NA
Dilution: 0.871
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0019	U	56-23-5	Carbon Tetrachloride	0.0019	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0019	U	108-90-7	Chlorobenzene	0.0019	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0019	U	75-00-3	Chloroethane	0.0019	U
79-00-5	1,1,2-Trichloroethane	0.0019	U	67-66-3	Chloroform	0.0019	U
75-34-3	1,1-Dichloroethane	0.0019	U	74-87-3	Chloromethane	0.0019	U
75-35-4	1,1-Dichloroethene	0.0019	U	156-59-2	cis-1,2-Dichloroethene	0.0019	U
87-61-6	1,2,3-Trichlorobenzene	0.0019	U	10061-01-5	cis-1,3-Dichloropropene	0.0019	U
120-82-1	1,2,4-Trichlorobenzene	0.0019	U	110-82-7	Cyclohexane	0.0019	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0019	U	124-48-1	Dibromochloromethane	0.0019	U
106-93-4	1,2-Dibromoethane	0.00096	U	75-71-8	Dichlorodifluoromethane	0.0019	U
95-50-1	1,2-Dichlorobenzene	0.0019	U	100-41-4	Ethylbenzene	0.00096	U
107-06-2	1,2-Dichloroethane	0.0019	U	98-82-8	Isopropylbenzene	0.00096	U
78-87-5	1,2-Dichloropropane	0.0019	U	79601-23-1	m&p-Xylenes	0.0013	U
541-73-1	1,3-Dichlorobenzene	0.0019	U	79-20-9	Methyl Acetate	0.0019	U
106-46-7	1,4-Dichlorobenzene	0.0019	U	108-87-2	Methylcyclohexane	0.0019	U
123-91-1	1,4-Dioxane	0.096	U	**75-09-2**	**Methylene Chloride**	**0.0019**	**0.010**
78-93-3	**2-Butanone**	**0.0019**	**0.015**	1634-04-4	Methyl-t-butyl ether	0.00096	U
591-78-6	2-Hexanone	0.0019	U	95-47-6	o-Xylene	0.00096	U
108-10-1	4-Methyl-2-Pentanone	0.0019	U	100-42-5	Styrene	0.0019	U
67-64-1	**Acetone**	**0.0096**	**0.073**	127-18-4	Tetrachloroethene	0.0019	U
71-43-2	Benzene	0.00096	U	108-88-3	Toluene	0.00096	U
74-97-5	Bromochloromethane	0.0019	U	156-60-5	trans-1,2-Dichloroethene	0.0019	U
75-27-4	Bromodichloromethane	0.0019	U	10061-02-6	trans-1,3-Dichloropropene	0.0019	U
75-25-2	Bromoform	0.0019	U	79-01-6	Trichloroethene	0.0019	U
74-83-9	Bromomethane	0.0019	U	75-69-4	Trichlorofluoromethane	0.0019	U
75-15-0	Carbon Disulfide	0.0048	U	75-01-4	Vinyl Chloride	0.0019	U
542-75-6	1,3-Dichloropropene (Total)	0.0019	U	1330-20-7	Xylenes (Total)	0.00096	U

Worksheet #: 764829

Total Target Concentration 0.098

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

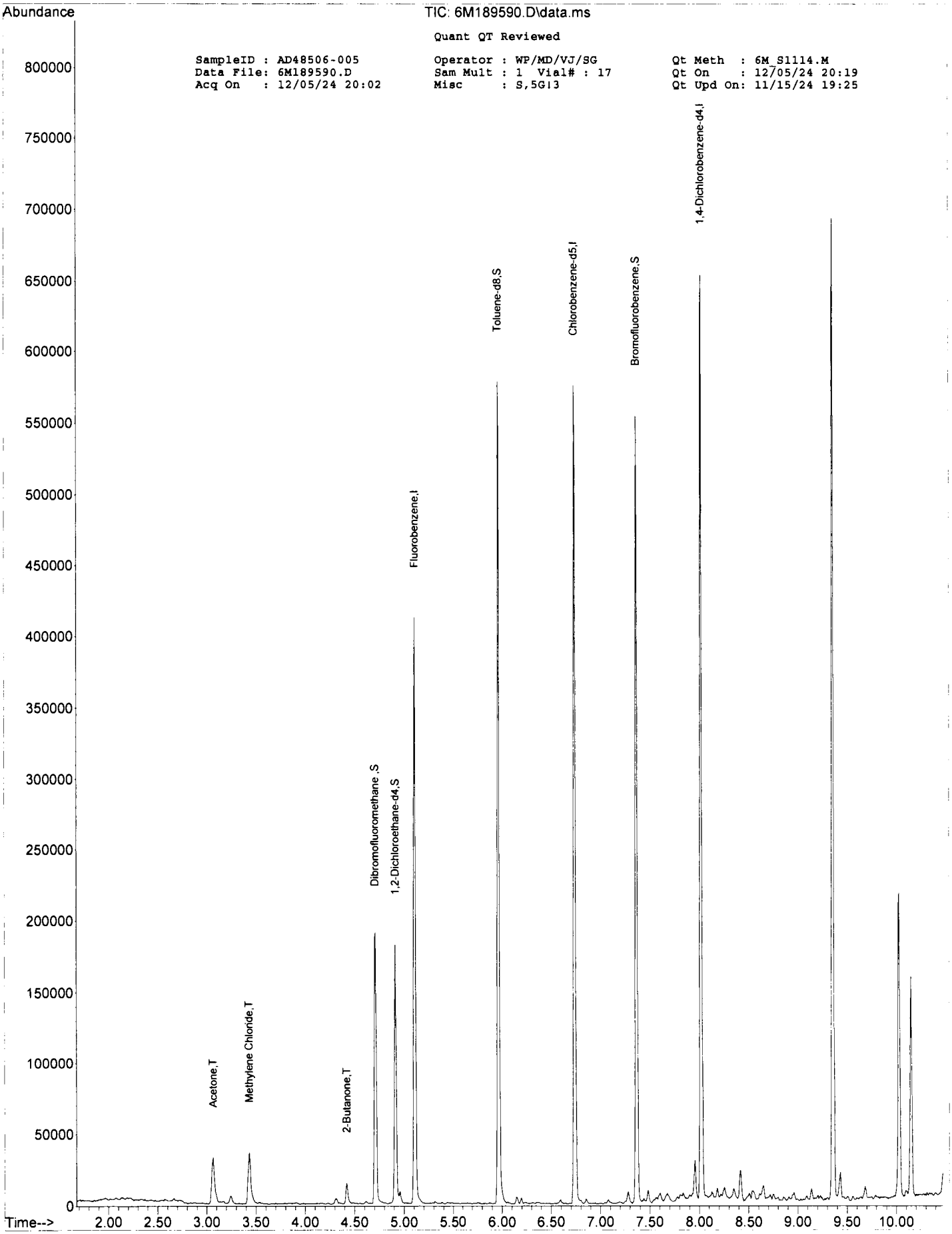
SampleID : AD48506-005 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189590.D Sam Mult : 1 Vial# : 17 Qt On : 12/05/24 20:19
Acq On : 12/05/24 20:02 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	232177	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.737	117	225808	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	130310	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.707	111	73387	30.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.73%			
39) 1,2-Dichloroethane-d4	4.914	67	39417	37.38	ug/l	0.00
Spiked Amount 30.000			Recovery = 124.60%			
66) Toluene-d8	5.962	98	272745	31.85	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.17%			
76) Bromofluorobenzene	7.365	174	102761	31.21	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.03%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	18757	10.8360	ug/l	56
19) Acetone	3.067	43	41144	75.8023	ug/l	94
41) 2-Butanone	4.420	43	12046	15.7235	ug/l	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

P


Abundance
TIC: 6M189590.D\data.ms
Quant QT Reviewed
SampleID : AD48506-005
Data File: 6M189590.D
Acq On : 12/05/24 20:02
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 17
Misc : S,5G13
Qt Meth : 6M_S1114.M
Qt On : 12/05/24 20:19
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-006
Client Id: SB-02-7.5-8.0'
Data File: 6M189591.D
Analysis Date: 12/05/24 20:23
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.17g
Final Vol: NA
Dilution: 0.967
Solids: 79

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0024	U	56-23-5	Carbon Tetrachloride	0.0024	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	108-90-7	Chlorobenzene	0.0024	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0024	U	75-00-3	Chloroethane	0.0024	U
79-00-5	1,1,2-Trichloroethane	0.0024	U	67-66-3	Chloroform	0.0024	U
75-34-3	1,1-Dichloroethane	0.0024	U	74-87-3	Chloromethane	0.0024	U
75-35-4	1,1-Dichloroethene	0.0024	U	156-59-2	cis-1,2-Dichloroethene	0.0024	U
87-61-6	1,2,3-Trichlorobenzene	0.0024	U	10061-01-5	cis-1,3-Dichloropropene	0.0024	U
120-82-1	1,2,4-Trichlorobenzene	0.0024	U	110-82-7	Cyclohexane	0.0024	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0024	U	124-48-1	Dibromochloromethane	0.0024	U
106-93-4	1,2-Dibromoethane	0.0012	U	75-71-8	Dichlorodifluoromethane	0.0024	U
95-50-1	1,2-Dichlorobenzene	0.0024	U	100-41-4	Ethylbenzene	0.0012	U
107-06-2	1,2-Dichloroethane	0.0024	U	98-82-8	Isopropylbenzene	0.0012	U
78-87-5	1,2-Dichloropropane	0.0024	U	79601-23-1	m&p-Xylenes	0.0017	U
541-73-1	1,3-Dichlorobenzene	0.0024	U	79-20-9	Methyl Acetate	0.0024	U
106-46-7	1,4-Dichlorobenzene	0.0024	U	108-87-2	Methylcyclohexane	0.0024	U
123-91-1	1,4-Dioxane	0.12	U	**75-09-2**	**Methylene Chloride**	**0.0024**	**0.038**
78-93-3	**2-Butanone**	**0.0024**	**0.016**	1634-04-4	Methyl-t-butyl ether	0.0012	U
591-78-6	2-Hexanone	0.0024	U	95-47-6	o-Xylene	0.0012	U
108-10-1	4-Methyl-2-Pentanone	0.0024	U	100-42-5	Styrene	0.0024	U
67-64-1	**Acetone**	**0.012**	**0.072**	127-18-4	Tetrachloroethene	0.0024	U
71-43-2	Benzene	0.0012	U	108-88-3	Toluene	0.0012	U
74-97-5	Bromochloromethane	0.0024	U	156-60-5	trans-1,2-Dichloroethene	0.0024	U
75-27-4	Bromodichloromethane	0.0024	U	10061-02-6	trans-1,3-Dichloropropene	0.0024	U
75-25-2	Bromoform	0.0024	U	79-01-6	Trichloroethene	0.0024	U
74-83-9	Bromomethane	0.0024	U	75-69-4	Trichlorofluoromethane	0.0024	U
75-15-0	Carbon Disulfide	0.0061	U	75-01-4	Vinyl Chloride	0.0024	U
542-75-6	1,3-Dichloropropene (Total)	0.0024	U	1330-20-7	Xylenes (Total)	0.0012	U

Worksheet #: 764829

Total Target Concentration 0.13

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

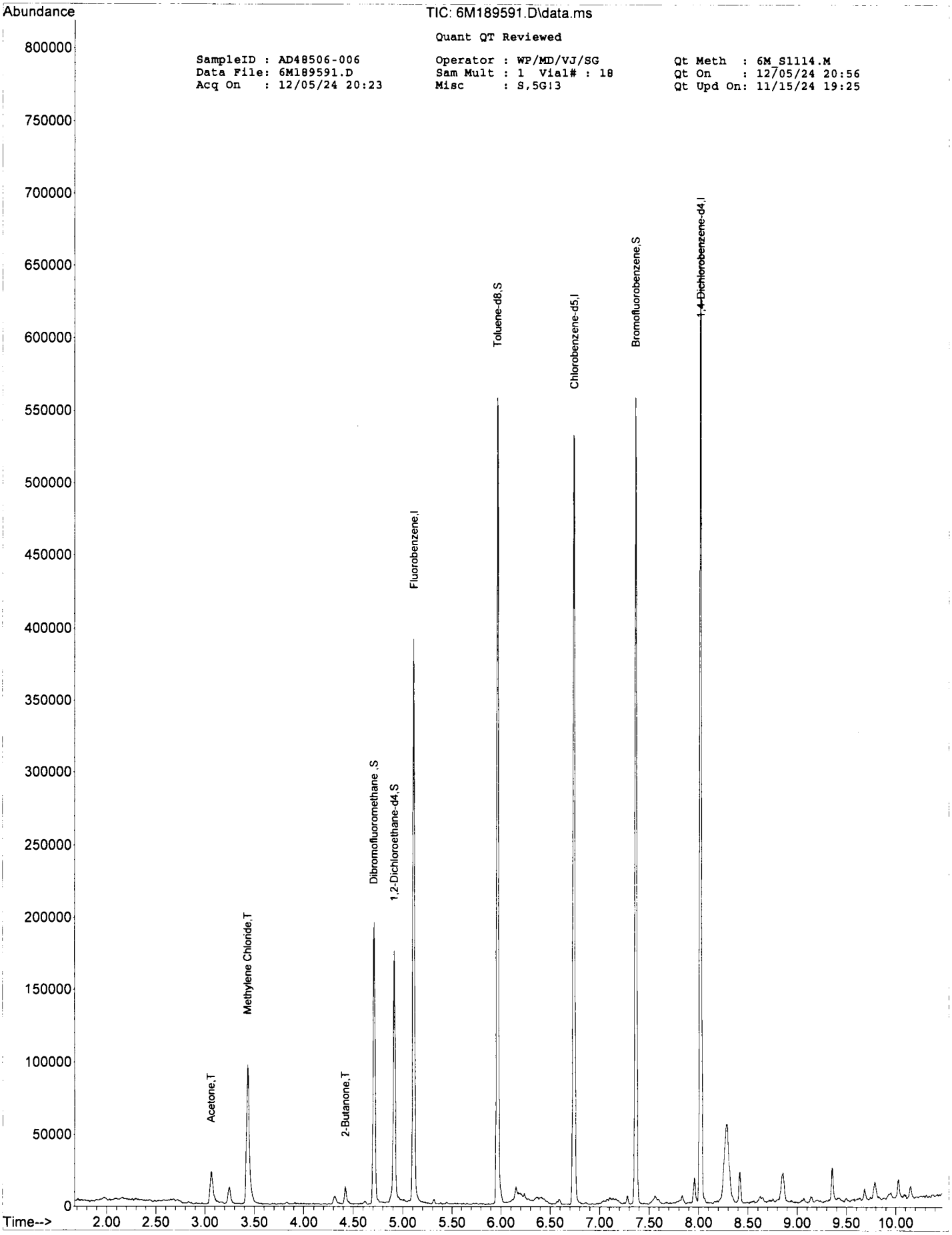
Quantitation Report (QT Reviewed)

SampleID : AD48506-006 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189591.D Sam Mult : 1 Vial# : 18 Qt On : 12/05/24 20:56
Acq On : 12/05/24 20:23 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	224048	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	220555	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	132862	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.706	111	75148	32.70	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.00%			
39) 1,2-Dichloroethane-d4	4.914	67	39518	38.84	ug/l	0.00
Spiked Amount 30.000			Recovery = 129.47%			
66) Toluene-d8	5.962	98	267653	32.00	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.67%			
76) Bromofluorobenzene	7.365	174	102296	30.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.60%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	51223m	30.6655	ug/l	
19) Acetone	3.060	43	30739	58.6872	ug/l	86
41) 2-Butanone	4.420	43	9643m	13.0436	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189591.D\data.ms
Quant QT Reviewed
SampleID : AD48506-006
Data File: 6M189591.D
Acq On : 12/05/24 20:23
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 18
Misc : S,5G13
Qt Meth : 6M_S1114.M
Qt On : 12/05/24 20:56
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-007
Client Id: SB-03-7.5-8.0'
Data File: 6M189592.D
Analysis Date: 12/05/24 20:45
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.06g
Final Vol: NA
Dilution: 0.988
Solids: 62

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0032	U	56-23-5	Carbon Tetrachloride	0.0032	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0032	U	108-90-7	Chlorobenzene	0.0032	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0032	U	75-00-3	Chloroethane	0.0032	U
79-00-5	1,1,2-Trichloroethane	0.0032	U	67-66-3	Chloroform	0.0032	U
75-34-3	1,1-Dichloroethane	0.0032	U	74-87-3	Chloromethane	0.0032	U
75-35-4	1,1-Dichloroethene	0.0032	U	156-59-2	cis-1,2-Dichloroethene	0.0032	U
87-61-6	1,2,3-Trichlorobenzene	0.0032	U	10061-01-5	cis-1,3-Dichloropropene	0.0032	U
120-82-1	1,2,4-Trichlorobenzene	0.0032	U	110-82-7	Cyclohexane	0.0032	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0032	U	124-48-1	Dibromochloromethane	0.0032	U
106-93-4	1,2-Dibromoethane	0.0016	U	75-71-8	Dichlorodifluoromethane	0.0032	U
95-50-1	1,2-Dichlorobenzene	0.0032	U	100-41-4	Ethylbenzene	0.0016	U
107-06-2	1,2-Dichloroethane	0.0032	U	98-82-8	Isopropylbenzene	0.0016	U
78-87-5	1,2-Dichloropropane	0.0032	U	79601-23-1	m&p-Xylenes	0.0022	U
541-73-1	1,3-Dichlorobenzene	0.0032	U	79-20-9	Methyl Acetate	0.0032	U
106-46-7	1,4-Dichlorobenzene	0.0032	U	108-87-2	Methylcyclohexane	0.0032	U
123-91-1	1,4-Dioxane	0.16	U	**75-09-2**	**Methylene Chloride**	**0.0032**	**0.095**
78-93-3	**2-Butanone**	**0.0032**	**0.016**	1634-04-4	Methyl-t-butyl ether	0.0016	U
591-78-6	2-Hexanone	0.0032	U	95-47-6	o-Xylene	0.0016	U
108-10-1	4-Methyl-2-Pentanone	0.0032	U	100-42-5	Styrene	0.0032	U
67-64-1	**Acetone**	**0.016**	**0.080**	127-18-4	Tetrachloroethene	0.0032	U
71-43-2	Benzene	0.0016	U	108-88-3	Toluene	0.0016	U
74-97-5	Bromochloromethane	0.0032	U	156-60-5	trans-1,2-Dichloroethene	0.0032	U
75-27-4	Bromodichloromethane	0.0032	U	10061-02-6	trans-1,3-Dichloropropene	0.0032	U
75-25-2	Bromoform	0.0032	U	79-01-6	Trichloroethene	0.0032	U
74-83-9	Bromomethane	0.0032	U	75-69-4	Trichlorofluoromethane	0.0032	U
75-15-0	**Carbon Disulfide**	**0.0080**	**0.011**	75-01-4	Vinyl Chloride	0.0032	U
542-75-6	1,3-Dichloropropene (Total)	0.0032	U	1330-20-7	Xylenes (Total)	0.0016	U

Worksheet #: 764829

Total Target Concentration 0.2

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

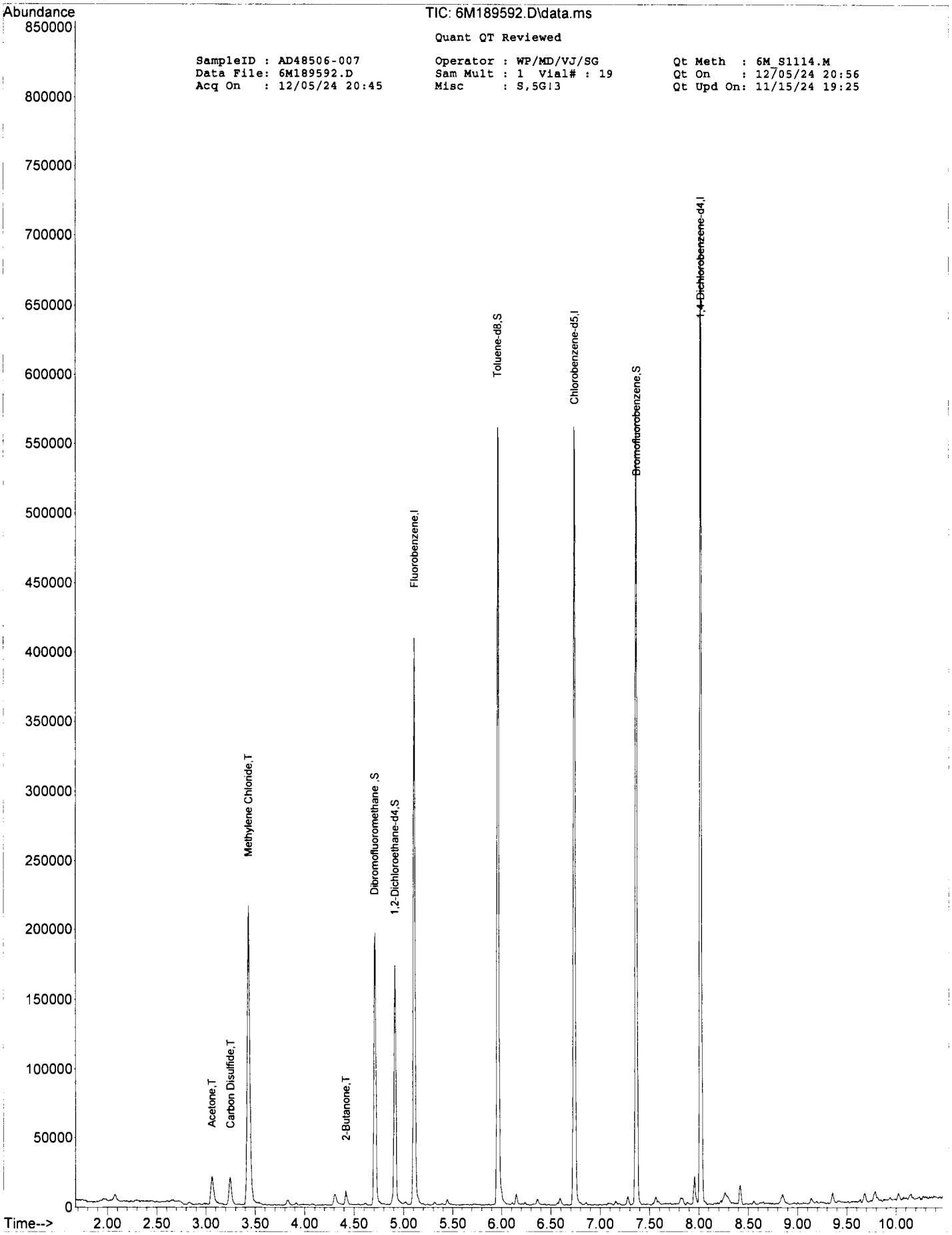
Quantitation Report (QT Reviewed)

SampleID : AD48506-007 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189592.D Sam Mult : 1 Vial# : 19 Qt On : 12/05/24 20:56
Acq On : 12/05/24 20:45 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	228569	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	226326	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	137570	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.706	111	76019	32.42	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.07%			
39) 1,2-Dichloroethane-d4	4.914	67	40519	39.03	ug/l	0.00
Spiked Amount 30.000			Recovery = 130.10%			
66) Toluene-d8	5.962	98	275439	32.09	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.97%			
76) Bromofluorobenzene	7.371	174	104997	30.21	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.70%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	101195	59.3839	ug/l	68
19) Acetone	3.060	43	26870m	50.2858	ug/l	
20) Carbon Disulfide	3.249	76	27387m	7.0043	ug/l	
41) 2-Butanone	4.420	43	7650m	10.1431	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189592.D\data.ms
Quant QT Reviewed
SampleID : AD48506-007
Data File: 6M189592.D
Acq On : 12/05/24 20:45
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 19
Misc : S,5G!3
Qt Meth : 6M_S1114.M
Qt On : 12/05/24 20:56
Qt Upd On: 11/15/24 19:25
Acetone,T
Carbon Disulfide,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-008
Client Id: SB-04-7.5-8.0
Data File: 6M189593.D
Analysis Date: 12/05/24 21:07
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.41g
Final Vol: NA
Dilution: 0.924
Solids: 57

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0032	U	56-23-5	Carbon Tetrachloride	0.0032	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0032	U	108-90-7	Chlorobenzene	0.0032	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0032	U	75-00-3	Chloroethane	0.0032	U
79-00-5	1,1,2-Trichloroethane	0.0032	U	67-66-3	Chloroform	0.0032	U
75-34-3	1,1-Dichloroethane	0.0032	U	74-87-3	Chloromethane	0.0032	U
75-35-4	1,1-Dichloroethene	0.0032	U	156-59-2	cis-1,2-Dichloroethene	0.0032	U
87-61-6	1,2,3-Trichlorobenzene	0.0032	U	10061-01-5	cis-1,3-Dichloropropene	0.0032	U
120-82-1	1,2,4-Trichlorobenzene	0.0032	U	110-82-7	Cyclohexane	0.0032	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0032	U	124-48-1	Dibromochloromethane	0.0032	U
106-93-4	1,2-Dibromoethane	0.0016	U	75-71-8	Dichlorodifluoromethane	0.0032	U
95-50-1	1,2-Dichlorobenzene	0.0032	U	100-41-4	Ethylbenzene	0.0016	U
107-06-2	1,2-Dichloroethane	0.0032	U	98-82-8	Isopropylbenzene	0.0016	U
78-87-5	1,2-Dichloropropane	0.0032	U	79601-23-1	m&p-Xylenes	0.0023	U
541-73-1	1,3-Dichlorobenzene	0.0032	U	79-20-9	Methyl Acetate	0.0032	U
106-46-7	1,4-Dichlorobenzene	0.0032	U	108-87-2	Methylcyclohexane	0.0032	U
123-91-1	1,4-Dioxane	0.16	U	**75-09-2**	**Methylene Chloride**	**0.0032**	**0.11**
78-93-3	**2-Butanone**	**0.0032**	**0.016**	1634-04-4	Methyl-t-butyl ether	0.0016	U
591-78-6	2-Hexanone	0.0032	U	95-47-6	o-Xylene	0.0016	U
108-10-1	4-Methyl-2-Pentanone	0.0032	U	100-42-5	Styrene	0.0032	U
67-64-1	**Acetone**	**0.016**	**0.074**	127-18-4	Tetrachloroethene	0.0032	U
71-43-2	Benzene	0.0016	U	108-88-3	Toluene	0.0016	U
74-97-5	Bromochloromethane	0.0032	U	156-60-5	trans-1,2-Dichloroethene	0.0032	U
75-27-4	Bromodichloromethane	0.0032	U	10061-02-6	trans-1,3-Dichloropropene	0.0032	U
75-25-2	Bromoform	0.0032	U	79-01-6	Trichloroethene	0.0032	U
74-83-9	Bromomethane	0.0032	U	75-69-4	Trichlorofluoromethane	0.0032	U
75-15-0	**Carbon Disulfide**	**0.0081**	**0.0087**	75-01-4	Vinyl Chloride	0.0032	U
542-75-6	1,3-Dichloropropene (Total)	0.0032	U	1330-20-7	Xylenes (Total)	0.0016	U

Worksheet #: 764829

Total Target Concentration 0.21

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

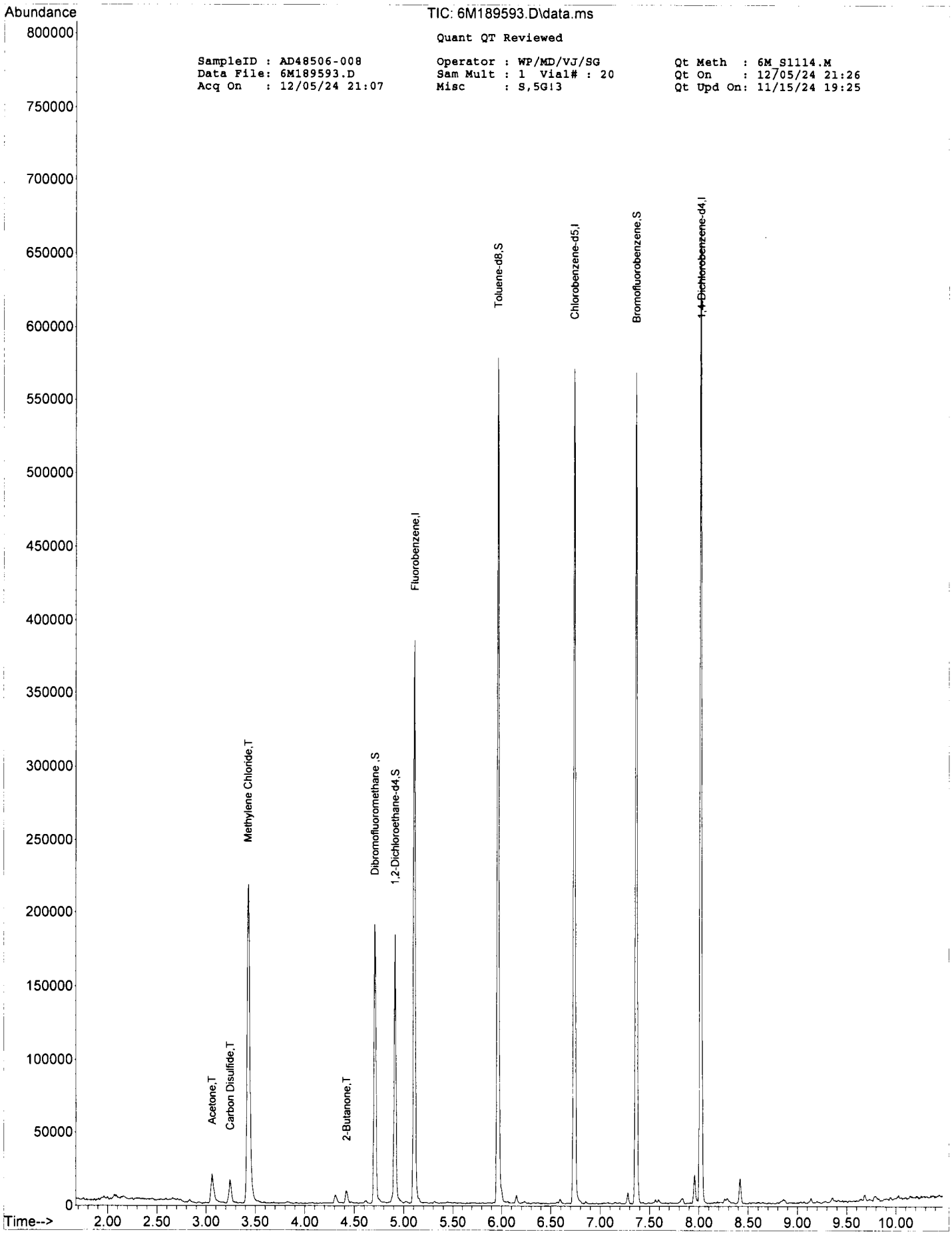
Quantitation Report (QT Reviewed)

SampleID : AD48506-008 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189593.D Sam Mult : 1 Vial# : 20 Qt On : 12/05/24 21:26
Acq On : 12/05/24 21:07 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	226923	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.737	117	221765	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	132918	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.707	111	76905	33.04	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.13%			
39) 1,2-Dichloroethane-d4	4.914	67	40538	39.33	ug/l	0.00
Spiked Amount 30.000			Recovery = 131.10%			
66) Toluene-d8	5.962	98	271792	32.31	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.70%			
76) Bromofluorobenzene	7.365	174	105231	31.34	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.47%			
Target Compounds						Qvalue
15) Methylene Chloride	3.426	84	112008	66.2060	ug/l	70
19) Acetone	3.061	43	24315m	45.8343	ug/l	
20) Carbon Disulfide	3.243	76	20933	5.3925	ug/l	100
41) 2-Butanone	4.420	43	7220m	9.6424	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189593.D\data.ms
Quant QT Reviewed
SampleID : AD48506-008
Data File: 6M189593.D
Acq On : 12/05/24 21:07
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 20
Misc : S,5G!3
Qt Meth : 6M_S1114.M
Qt On : 12/05/24 21:26
Qt Upd On: 11/15/24 19:25
Acetone,T
Carbon Disulfide,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-009
Client Id: SB-06-7.5-8.0'
Data File: 6M189594.D
Analysis Date: 12/05/24 21:29
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.53g
Final Vol: NA
Dilution: 0.904
Solids: 67

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0027	U	56-23-5	Carbon Tetrachloride	0.0027	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0027	U	108-90-7	Chlorobenzene	0.0027	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0027	U	75-00-3	Chloroethane	0.0027	U
79-00-5	1,1,2-Trichloroethane	0.0027	U	67-66-3	Chloroform	0.0027	U
75-34-3	1,1-Dichloroethane	0.0027	U	74-87-3	Chloromethane	0.0027	U
75-35-4	1,1-Dichloroethene	0.0027	U	156-59-2	cis-1,2-Dichloroethene	0.0027	U
87-61-6	1,2,3-Trichlorobenzene	0.0027	U	10061-01-5	cis-1,3-Dichloropropene	0.0027	U
120-82-1	1,2,4-Trichlorobenzene	0.0027	U	110-82-7	Cyclohexane	0.0027	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0027	U	124-48-1	Dibromochloromethane	0.0027	U
106-93-4	1,2-Dibromoethane	0.0013	U	75-71-8	Dichlorodifluoromethane	0.0027	U
95-50-1	1,2-Dichlorobenzene	0.0027	U	100-41-4	Ethylbenzene	0.0013	U
107-06-2	1,2-Dichloroethane	0.0027	U	98-82-8	Isopropylbenzene	0.0013	U
78-87-5	1,2-Dichloropropane	0.0027	U	79601-23-1	m&p-Xylenes	0.0019	U
541-73-1	1,3-Dichlorobenzene	0.0027	U	79-20-9	Methyl Acetate	0.0027	U
106-46-7	1,4-Dichlorobenzene	0.0027	U	108-87-2	Methylcyclohexane	0.0027	U
123-91-1	1,4-Dioxane	0.13	U	**75-09-2**	**Methylene Chloride**	**0.0027**	**0.051**
78-93-3	**2-Butanone**	**0.0027**	**0.065**	1634-04-4	Methyl-t-butyl ether	0.0013	U
591-78-6	2-Hexanone	0.0027	U	95-47-6	o-Xylene	0.0013	U
108-10-1	4-Methyl-2-Pentanone	0.0027	U	100-42-5	Styrene	0.0027	U
67-64-1	**Acetone**	**0.013**	**0.26**	127-18-4	Tetrachloroethene	0.0027	U
71-43-2	Benzene	0.0013	U	108-88-3	Toluene	0.0013	U
74-97-5	Bromochloromethane	0.0027	U	156-60-5	trans-1,2-Dichloroethene	0.0027	U
75-27-4	Bromodichloromethane	0.0027	U	10061-02-6	trans-1,3-Dichloropropene	0.0027	U
75-25-2	Bromoform	0.0027	U	79-01-6	Trichloroethene	0.0027	U
74-83-9	Bromomethane	0.0027	U	75-69-4	Trichlorofluoromethane	0.0027	U
75-15-0	**Carbon Disulfide**	**0.0067**	**0.0072**	75-01-4	Vinyl Chloride	0.0027	U
542-75-6	1,3-Dichloropropene (Total)	0.0027	U	1330-20-7	Xylenes (Total)	0.0013	U

Worksheet #: 764829

Total Target Concentration 0.38

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

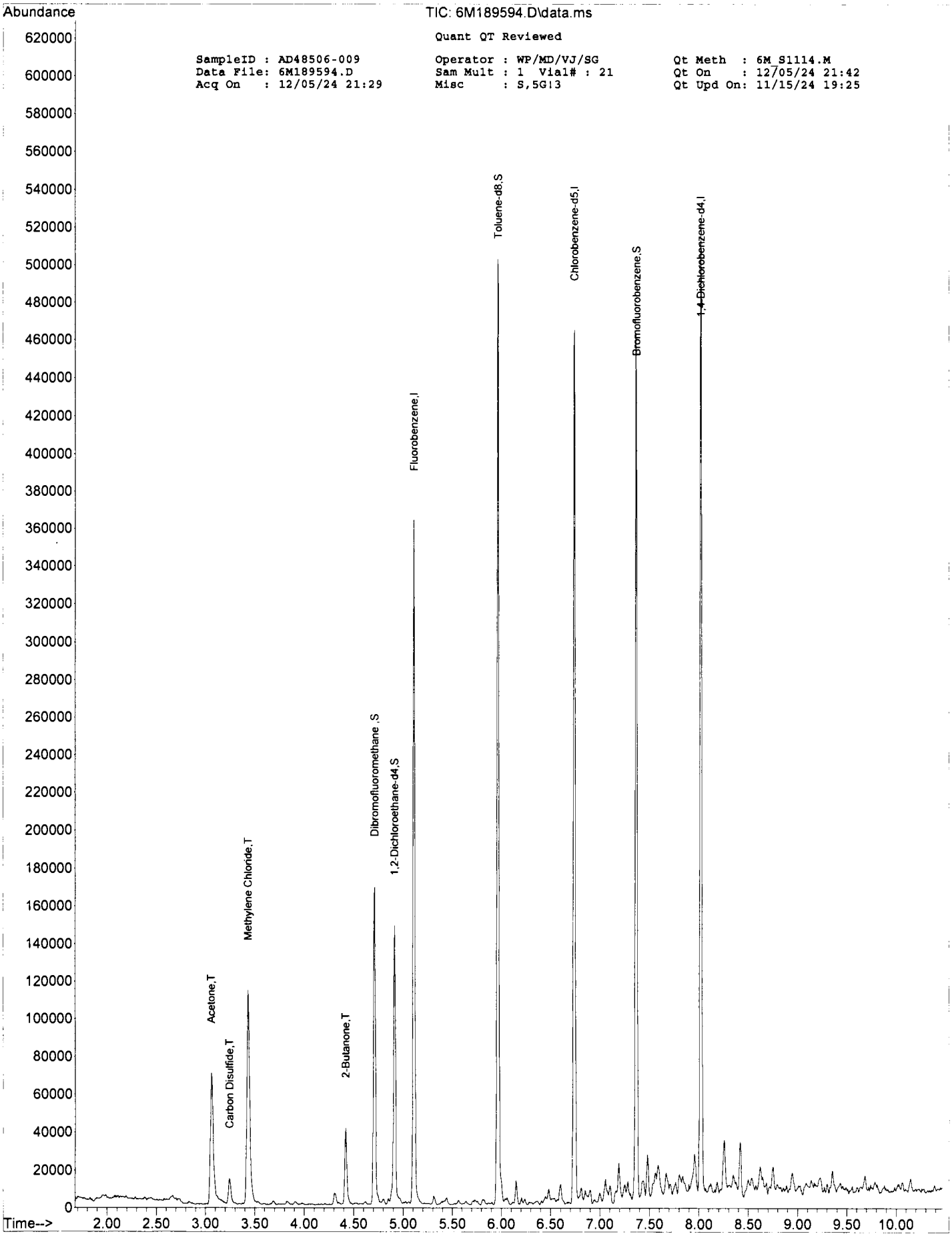
Quantitation Report (QT Reviewed)

SampleID : AD48506-009 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189594.D Sam Mult : 1 Vial# : 21 Qt On : 12/05/24 21:42
Acq On : 12/05/24 21:29 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	205017	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.742	117	193555	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	98884	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.712	111	67025	31.87	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.23%			
39) 1,2-Dichloroethane-d4	4.914	67	34622	37.18	ug/l	0.00
Spiked Amount 30.000			Recovery = 123.93%			
66) Toluene-d8	5.968	98	239676	32.65	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.83%			
76) Bromofluorobenzene	7.370	174	83988	33.62	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.07%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	57211	37.4297	ug/l	73
19) Acetone	3.060	43	91892	191.7267	ug/l	91
20) Carbon Disulfide	3.243	76	18828	5.3685	ug/l	100
41) 2-Butanone	4.420	43	32364m	47.8409	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189594.D\data.ms
Quant QT Reviewed
SampleID : AD48506-009
Data File: 6M189594.D
Acq On : 12/05/24 21:29
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 21
Misc : S,5G13
Qt Meth : 6M_S1114.M
Qt On : 12/05/24 21:42
Qt Upd On: 11/15/24 19:25
Acetone,T
Carbon Disulfide,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-010
Client Id: SB-23-9.5-10.0'
Data File: 6M189595.D
Analysis Date: 12/05/24 21:51
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.72g
Final Vol: NA
Dilution: 0.874
Solids: 74

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0024	U	56-23-5	Carbon Tetrachloride	0.0024	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	108-90-7	Chlorobenzene	0.0024	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0024	U	75-00-3	Chloroethane	0.0024	U
79-00-5	1,1,2-Trichloroethane	0.0024	U	67-66-3	Chloroform	0.0024	U
75-34-3	1,1-Dichloroethane	0.0024	U	74-87-3	Chloromethane	0.0024	U
75-35-4	1,1-Dichloroethene	0.0024	U	156-59-2	cis-1,2-Dichloroethene	0.0024	U
87-61-6	1,2,3-Trichlorobenzene	0.0024	U	10061-01-5	cis-1,3-Dichloropropene	0.0024	U
120-82-1	1,2,4-Trichlorobenzene	0.0024	U	110-82-7	Cyclohexane	0.0024	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0024	U	124-48-1	Dibromochloromethane	0.0024	U
106-93-4	1,2-Dibromoethane	0.0012	U	75-71-8	Dichlorodifluoromethane	0.0024	U
95-50-1	1,2-Dichlorobenzene	0.0024	U	100-41-4	Ethylbenzene	0.0012	U
107-06-2	1,2-Dichloroethane	0.0024	U	98-82-8	Isopropylbenzene	0.0012	U
78-87-5	1,2-Dichloropropane	0.0024	U	79601-23-1	m&p-Xylenes	0.0017	U
541-73-1	1,3-Dichlorobenzene	0.0024	U	79-20-9	Methyl Acetate	0.0024	U
106-46-7	1,4-Dichlorobenzene	0.0024	U	108-87-2	Methylcyclohexane	0.0024	U
123-91-1	1,4-Dioxane	0.12	U	**75-09-2**	**Methylene Chloride**	**0.0024**	**0.091**
78-93-3	**2-Butanone**	**0.0024**	**0.0096**	1634-04-4	Methyl-t-butyl ether	0.0012	U
591-78-6	2-Hexanone	0.0024	U	95-47-6	o-Xylene	0.0012	U
108-10-1	4-Methyl-2-Pentanone	0.0024	U	100-42-5	Styrene	0.0024	U
67-64-1	**Acetone**	**0.012**	**0.050**	127-18-4	Tetrachloroethene	0.0024	U
71-43-2	Benzene	0.0012	U	108-88-3	Toluene	0.0012	U
74-97-5	Bromochloromethane	0.0024	U	156-60-5	trans-1,2-Dichloroethene	0.0024	U
75-27-4	Bromodichloromethane	0.0024	U	10061-02-6	trans-1,3-Dichloropropene	0.0024	U
75-25-2	Bromoform	0.0024	U	79-01-6	Trichloroethene	0.0024	U
74-83-9	Bromomethane	0.0024	U	75-69-4	Trichlorofluoromethane	0.0024	U
75-15-0	Carbon Disulfide	0.0059	U	75-01-4	Vinyl Chloride	0.0024	U
542-75-6	1,3-Dichloropropene (Total)	0.0024	U	1330-20-7	Xylenes (Total)	0.0012	U

Worksheet #: 764829

Total Target Concentration 0.15

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

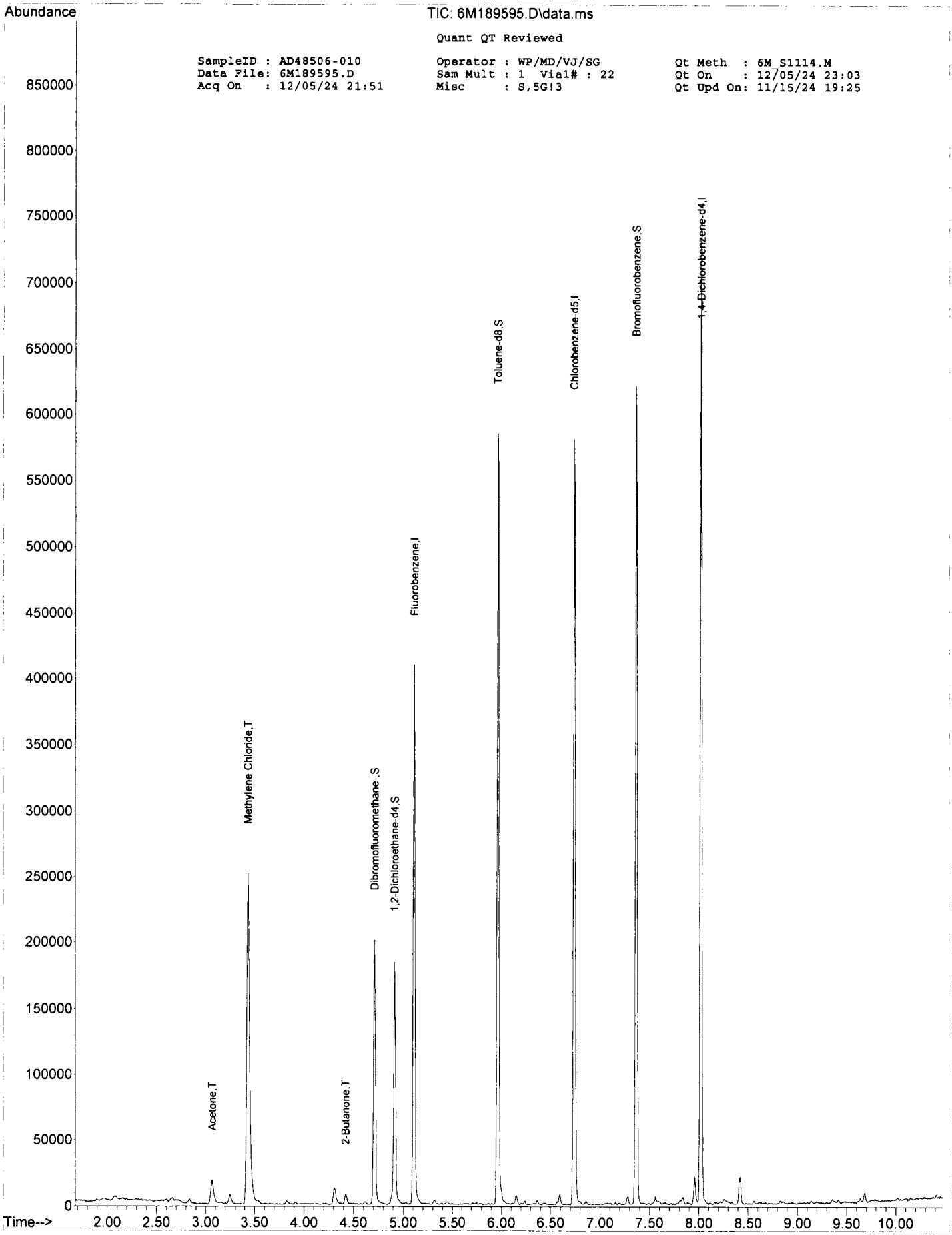
Quantitation Report (QT Reviewed)

SampleID : AD48506-010 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189595.D Sam Mult : 1 Vial# : 22 Qt On : 12/05/24 23:03
Acq On : 12/05/24 21:51 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	233347	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.737	117	234224	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	142292	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	77351	32.32	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.73%			
39) 1,2-Dichloroethane-d4	4.914	67	41818	39.46	ug/l	0.00
Spiked Amount 30.000			Recovery = 131.53%			
66) Toluene-d8	5.962	98	281902	31.73	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.77%			
76) Bromofluorobenzene	7.365	174	112512	31.30	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.33%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	133575	76.7803	ug/l	73
19) Acetone	3.067	43	23171	42.4754	ug/l	99
41) 2-Butanone	4.420	43	6238m	8.1016	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189595.D\data.ms
Quant QT Reviewed
SampleID : AD48506-010
Data File: 6M189595.D
Acq On : 12/05/24 21:51
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 22
Misc : S,5G13
Qt Meth : 6M_S1114.M
Qt On : 12/05/24 23:03
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-011
Client Id: SB-25-9.5-10.0'
Data File: 6M189596.D
Analysis Date: 12/05/24 22:12
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.1g
Final Vol: NA
Dilution: 0.980
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0022	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
87-61-6	1,2,3-Trichlorobenzene	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
120-82-1	1,2,4-Trichlorobenzene	0.0022	U	110-82-7	Cyclohexane	0.0022	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0022	U	124-48-1	Dibromochloromethane	0.0022	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	79601-23-1	m&p-Xylenes	0.0016	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	79-20-9	Methyl Acetate	0.0022	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	108-87-2	Methylcyclohexane	0.0022	U
123-91-1	1,4-Dioxane	0.11	U	**75-09-2**	**Methylene Chloride**	**0.0022**	**0.043**
78-93-3	**2-Butanone**	**0.0022**	**0.017**	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0022	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0022	U	100-42-5	Styrene	0.0022	U
67-64-1	**Acetone**	**0.011**	**0.076**	127-18-4	Tetrachloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0022	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-25-2	Bromoform	0.0022	U	79-01-6	Trichloroethene	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
75-15-0	Carbon Disulfide	0.0056	U	75-01-4	Vinyl Chloride	0.0022	U
542-75-6	1,3-Dichloropropene (Total)	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764829

Total Target Concentration 0.14

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

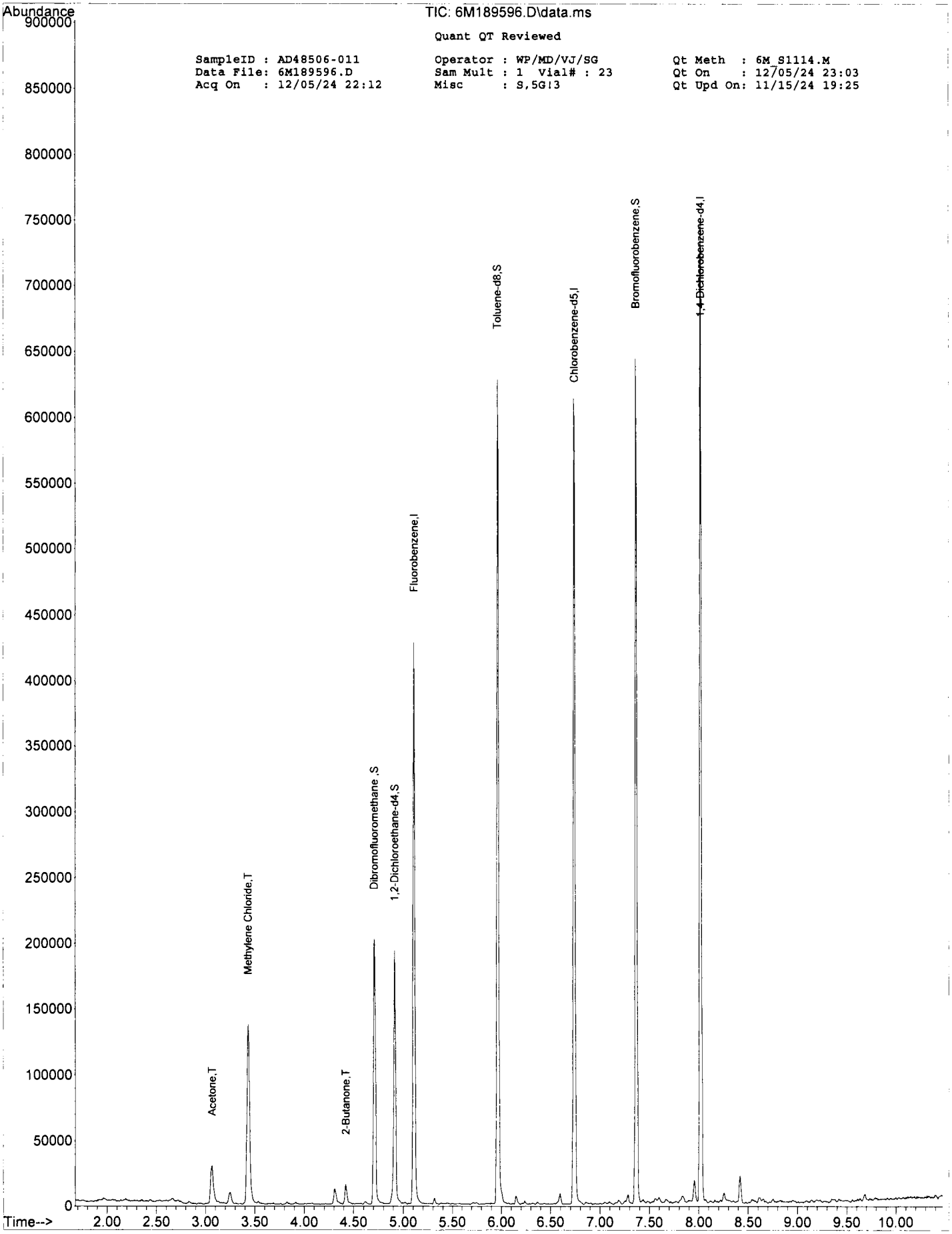
SampleID : AD48506-011 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189596.D Sam Mult : 1 Vial# : 23 Qt On : 12/05/24 23:03
Acq On : 12/05/24 22:12 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	241264	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	244966	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	147711	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.707	111	82781	33.45	ug/l	0.00
Spiked Amount 30.000			Recovery = 111.50%			
39) 1,2-Dichloroethane-d4	4.914	67	44961	41.03	ug/l	0.00
Spiked Amount 30.000			Recovery = 136.77%			
66) Toluene-d8	5.962	98	294770	31.73	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.77%			
76) Bromofluorobenzene	7.365	174	113643	30.45	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.50%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	69188	38.4649	ug/l	77
19) Acetone	3.067	43	38689	68.5946	ug/l	94
41) 2-Butanone	4.420	43	11954m	15.0158	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

P


Abundance
TIC: 6M189596.D\data.ms
Quant QT Reviewed
SampleID : AD48506-011
Data File: 6M189596.D
Acq On : 12/05/24 22:12
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 23
Misc : S,5G!3
Qt Meth : 6M_S1114.M
Qt On : 12/05/24 23:03
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-012
Client Id: SB-05-7.5-8.0'
Data File: 6M189597.D
Analysis Date: 12/05/24 22:34
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.55g
Final Vol: NA
Dilution: 0.901
Solids: 80

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0023	U	56-23-5	Carbon Tetrachloride	0.0023	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	108-90-7	Chlorobenzene	0.0023	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0023	U	75-00-3	Chloroethane	0.0023	U
79-00-5	1,1,2-Trichloroethane	0.0023	U	67-66-3	Chloroform	0.0023	U
75-34-3	1,1-Dichloroethane	0.0023	U	74-87-3	Chloromethane	0.0023	U
75-35-4	1,1-Dichloroethene	0.0023	U	156-59-2	cis-1,2-Dichloroethene	0.0023	U
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	10061-01-5	cis-1,3-Dichloropropene	0.0023	U
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	110-82-7	Cyclohexane	0.0023	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0023	U	124-48-1	Dibromochloromethane	0.0023	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0023	U
95-50-1	1,2-Dichlorobenzene	0.0023	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0023	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0023	U	79601-23-1	m&p-Xylenes	0.0016	U
541-73-1	1,3-Dichlorobenzene	0.0023	U	79-20-9	Methyl Acetate	0.0023	U
106-46-7	1,4-Dichlorobenzene	0.0023	U	108-87-2	Methylcyclohexane	0.0023	U
123-91-1	1,4-Dioxane	0.11	U	**75-09-2**	**Methylene Chloride**	**0.0023**	**0.038**
78-93-3	**2-Butanone**	**0.0023**	**0.018**	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0023	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0023	U	100-42-5	Styrene	0.0023	U
67-64-1	**Acetone**	**0.011**	**0.083**	127-18-4	Tetrachloroethene	0.0023	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0023	U	156-60-5	trans-1,2-Dichloroethene	0.0023	U
75-27-4	Bromodichloromethane	0.0023	U	10061-02-6	trans-1,3-Dichloropropene	0.0023	U
75-25-2	Bromoform	0.0023	U	79-01-6	Trichloroethene	0.0023	U
74-83-9	Bromomethane	0.0023	U	75-69-4	Trichlorofluoromethane	0.0023	U
75-15-0	Carbon Disulfide	0.0056	U	75-01-4	Vinyl Chloride	0.0023	U
542-75-6	1,3-Dichloropropene (Total)	0.0023	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764829

Total Target Concentration 0.14

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

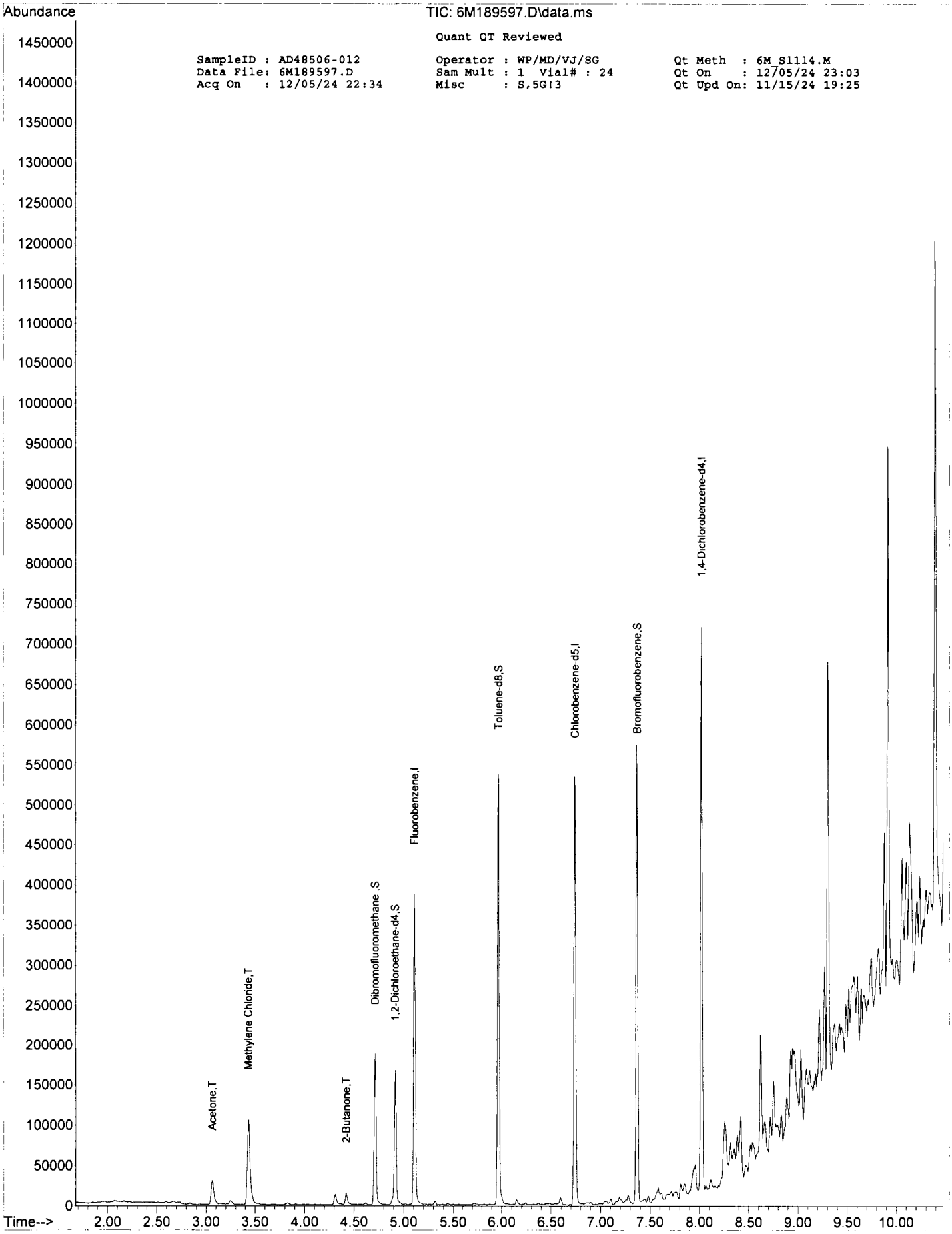
Quantitation Report (QT Reviewed)

SampleID : AD48506-012 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189597.D Sam Mult : 1 Vial# : 24 Qt On : 12/05/24 23:03
Acq On : 12/05/24 22:34 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	219340	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	222811	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	133617	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	71558	31.81	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.03%			
39) 1,2-Dichloroethane-d4	4.914	67	40350	40.51	ug/l	0.00
Spiked Amount 30.000			Recovery = 135.03%			
66) Toluene-d8	5.968	98	260248	30.80	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.67%			
76) Bromofluorobenzene	7.371	174	104156	30.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.87%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	55809	34.1282	ug/l	72
19) Acetone	3.060	43	37740m	73.6002	ug/l	
41) 2-Butanone	4.420	43	11693m	16.1560	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189597.D\data.ms
Quant QT Reviewed
SampleID : AD48506-012
Data File: 6M189597.D
Acq On : 12/05/24 22:34
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 24
Misc : S,5G!3
Qt Meth : 6M_S1114.M
Qt On : 12/05/24 23:03
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-013
Client Id: SB-15-7.5-8.0'
Data File: 6M189606.D
Analysis Date: 12/06/24 01:50
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.08g
Final Vol: NA
Dilution: 0.984
Solids: 73

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0027	U	56-23-5	Carbon Tetrachloride	0.0027	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0027	U	108-90-7	Chlorobenzene	0.0027	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0027	U	75-00-3	Chloroethane	0.0027	U
79-00-5	1,1,2-Trichloroethane	0.0027	U	67-66-3	Chloroform	0.0027	U
75-34-3	1,1-Dichloroethane	0.0027	U	74-87-3	Chloromethane	0.0027	U
75-35-4	1,1-Dichloroethene	0.0027	U	156-59-2	cis-1,2-Dichloroethene	0.0027	U
87-61-6	1,2,3-Trichlorobenzene	0.0027	U	10061-01-5	cis-1,3-Dichloropropene	0.0027	U
120-82-1	1,2,4-Trichlorobenzene	0.0027	U	110-82-7	Cyclohexane	0.0027	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0027	U	124-48-1	Dibromochloromethane	0.0027	U
106-93-4	1,2-Dibromoethane	0.0013	U	75-71-8	Dichlorodifluoromethane	0.0027	U
95-50-1	1,2-Dichlorobenzene	0.0027	U	100-41-4	Ethylbenzene	0.0013	U
107-06-2	1,2-Dichloroethane	0.0027	U	98-82-8	Isopropylbenzene	0.0013	U
78-87-5	1,2-Dichloropropane	0.0027	U	79601-23-1	m&p-Xylenes	0.0019	U
541-73-1	1,3-Dichlorobenzene	0.0027	U	79-20-9	Methyl Acetate	0.0027	U
106-46-7	1,4-Dichlorobenzene	0.0027	U	108-87-2	Methylcyclohexane	0.0027	U
123-91-1	1,4-Dioxane	0.13	U	**75-09-2**	**Methylene Chloride**	**0.0027**	**0.030**
78-93-3	**2-Butanone**	**0.0027**	**0.0043**	1634-04-4	Methyl-t-butyl ether	0.0013	U
591-78-6	2-Hexanone	0.0027	U	95-47-6	o-Xylene	0.0013	U
108-10-1	4-Methyl-2-Pentanone	0.0027	U	100-42-5	Styrene	0.0027	U
67-64-1	**Acetone**	**0.013**	**0.034**	127-18-4	Tetrachloroethene	0.0027	U
71-43-2	Benzene	0.0013	U	108-88-3	Toluene	0.0013	U
74-97-5	Bromochloromethane	0.0027	U	156-60-5	trans-1,2-Dichloroethene	0.0027	U
75-27-4	Bromodichloromethane	0.0027	U	10061-02-6	trans-1,3-Dichloropropene	0.0027	U
75-25-2	Bromoform	0.0027	U	79-01-6	Trichloroethene	0.0027	U
74-83-9	Bromomethane	0.0027	U	75-69-4	Trichlorofluoromethane	0.0027	U
75-15-0	Carbon Disulfide	0.0067	U	75-01-4	Vinyl Chloride	0.0027	U
542-75-6	1,3-Dichloropropene (Total)	0.0027	U	1330-20-7	Xylenes (Total)	0.0013	U

Worksheet #: 764829

Total Target Concentration 0.068

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

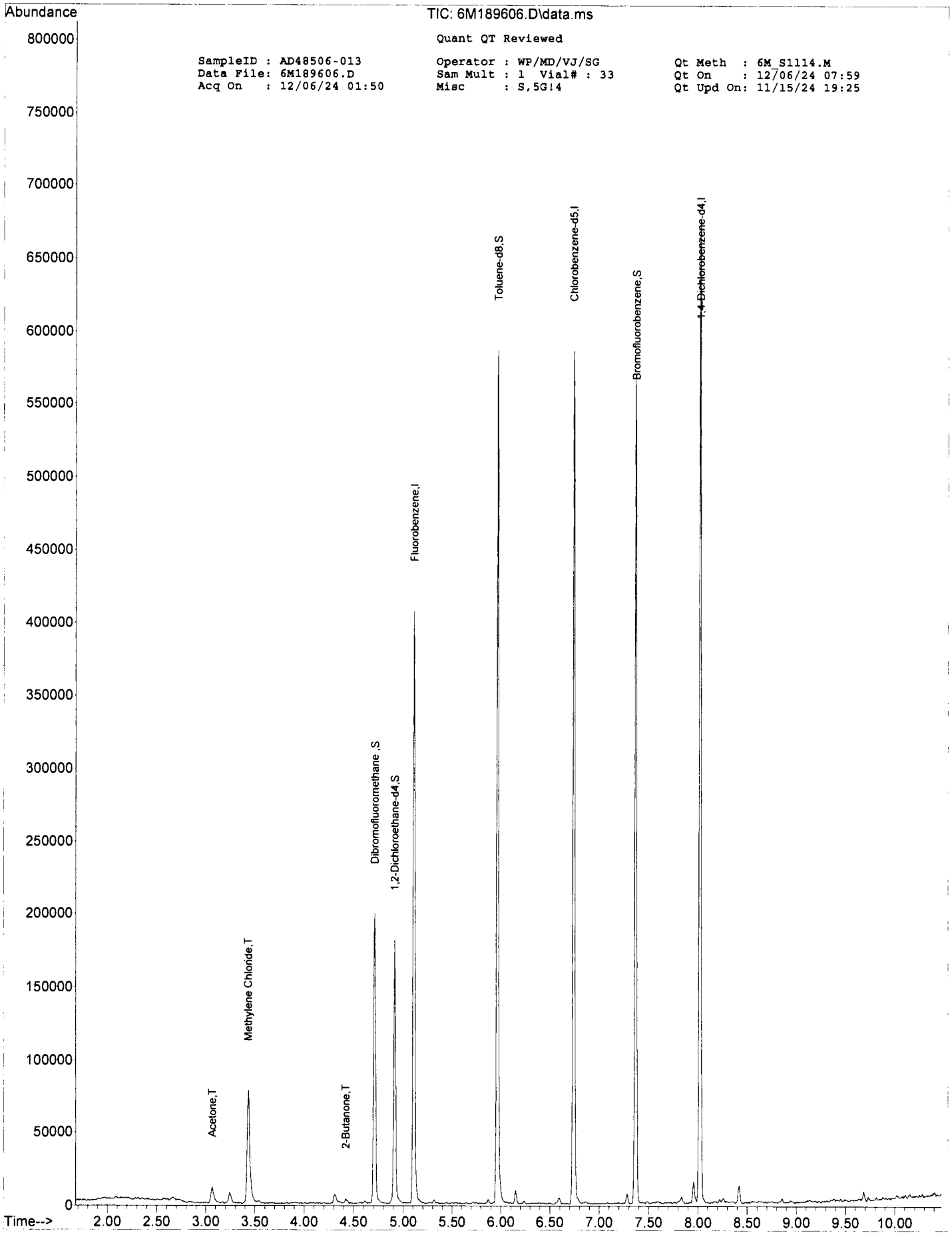
Quantitation Report (QT Reviewed)

SampleID : AD48506-013 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189606.D Sam Mult : 1 Vial# : 33 Qt On : 12/06/24 07:59
Acq On : 12/06/24 01:50 Misc : S,5G!4 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	239991	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.736	117	232370	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	136539	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.712	111	80126	32.55	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.50%			
39) 1,2-Dichloroethane-d4	4.913	67	44181	40.53	ug/l	0.00
Spiked Amount 30.000			Recovery = 135.10%			
66) Toluene-d8	5.968	98	284944	32.33	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.77%			
76) Bromofluorobenzene	7.370	174	110066	31.91	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.37%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	39750	22.2162	ug/l	72
19) Acetone	3.066	43	14122	25.1707	ug/l	87
41) 2-Butanone	4.420	43	2542	3.2100	ug/l	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189606.D\data.ms
Quant QT Reviewed
SampleID : AD48506-013
Data File: 6M189606.D
Acq On : 12/06/24 01:50
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 33
Misc : S,5G!4
Qt Meth : 6M_S1114.M
Qt On : 12/06/24 07:59
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-014
Client Id: SB-16-7.5-8.0'
Data File: 6M189599.D
Analysis Date: 12/05/24 23:18
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.03g
Final Vol: NA
Dilution: 0.994
Solids: 71

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0028	U	56-23-5	Carbon Tetrachloride	0.0028	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0028	U	108-90-7	Chlorobenzene	0.0028	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0028	U	75-00-3	Chloroethane	0.0028	U
79-00-5	1,1,2-Trichloroethane	0.0028	U	67-66-3	Chloroform	0.0028	U
75-34-3	1,1-Dichloroethane	0.0028	U	74-87-3	Chloromethane	0.0028	U
75-35-4	1,1-Dichloroethene	0.0028	U	156-59-2	cis-1,2-Dichloroethene	0.0028	U
87-61-6	1,2,3-Trichlorobenzene	0.0028	U	10061-01-5	cis-1,3-Dichloropropene	0.0028	U
120-82-1	1,2,4-Trichlorobenzene	0.0028	U	110-82-7	Cyclohexane	0.0028	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0028	U	124-48-1	Dibromochloromethane	0.0028	U
106-93-4	1,2-Dibromoethane	0.0014	U	75-71-8	Dichlorodifluoromethane	0.0028	U
95-50-1	1,2-Dichlorobenzene	0.0028	U	100-41-4	Ethylbenzene	0.0014	U
107-06-2	1,2-Dichloroethane	0.0028	U	98-82-8	Isopropylbenzene	0.0014	U
78-87-5	1,2-Dichloropropane	0.0028	U	79601-23-1	m&p-Xylenes	0.0020	U
541-73-1	1,3-Dichlorobenzene	0.0028	U	79-20-9	Methyl Acetate	0.0028	U
106-46-7	1,4-Dichlorobenzene	0.0028	U	108-87-2	Methylcyclohexane	0.0028	U
123-91-1	1,4-Dioxane	0.14	U	**75-09-2**	**Methylene Chloride**	**0.0028**	**0.027**
78-93-3	**2-Butanone**	**0.0028**	**0.042**	1634-04-4	Methyl-t-butyl ether	0.0014	U
591-78-6	2-Hexanone	0.0028	U	95-47-6	o-Xylene	0.0014	U
108-10-1	4-Methyl-2-Pentanone	0.0028	U	100-42-5	Styrene	0.0028	U
67-64-1	**Acetone**	**0.014**	**0.17**	127-18-4	Tetrachloroethene	0.0028	U
71-43-2	Benzene	0.0014	U	108-88-3	Toluene	0.0014	U
74-97-5	Bromochloromethane	0.0028	U	156-60-5	trans-1,2-Dichloroethene	0.0028	U
75-27-4	Bromodichloromethane	0.0028	U	10061-02-6	trans-1,3-Dichloropropene	0.0028	U
75-25-2	Bromoform	0.0028	U	79-01-6	Trichloroethene	0.0028	U
74-83-9	Bromomethane	0.0028	U	75-69-4	Trichlorofluoromethane	0.0028	U
75-15-0	Carbon Disulfide	0.0070	U	75-01-4	Vinyl Chloride	0.0028	U
542-75-6	1,3-Dichloropropene (Total)	0.0028	U	1330-20-7	Xylenes (Total)	0.0014	U

Worksheet #: 764829

Total Target Concentration 0.24

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

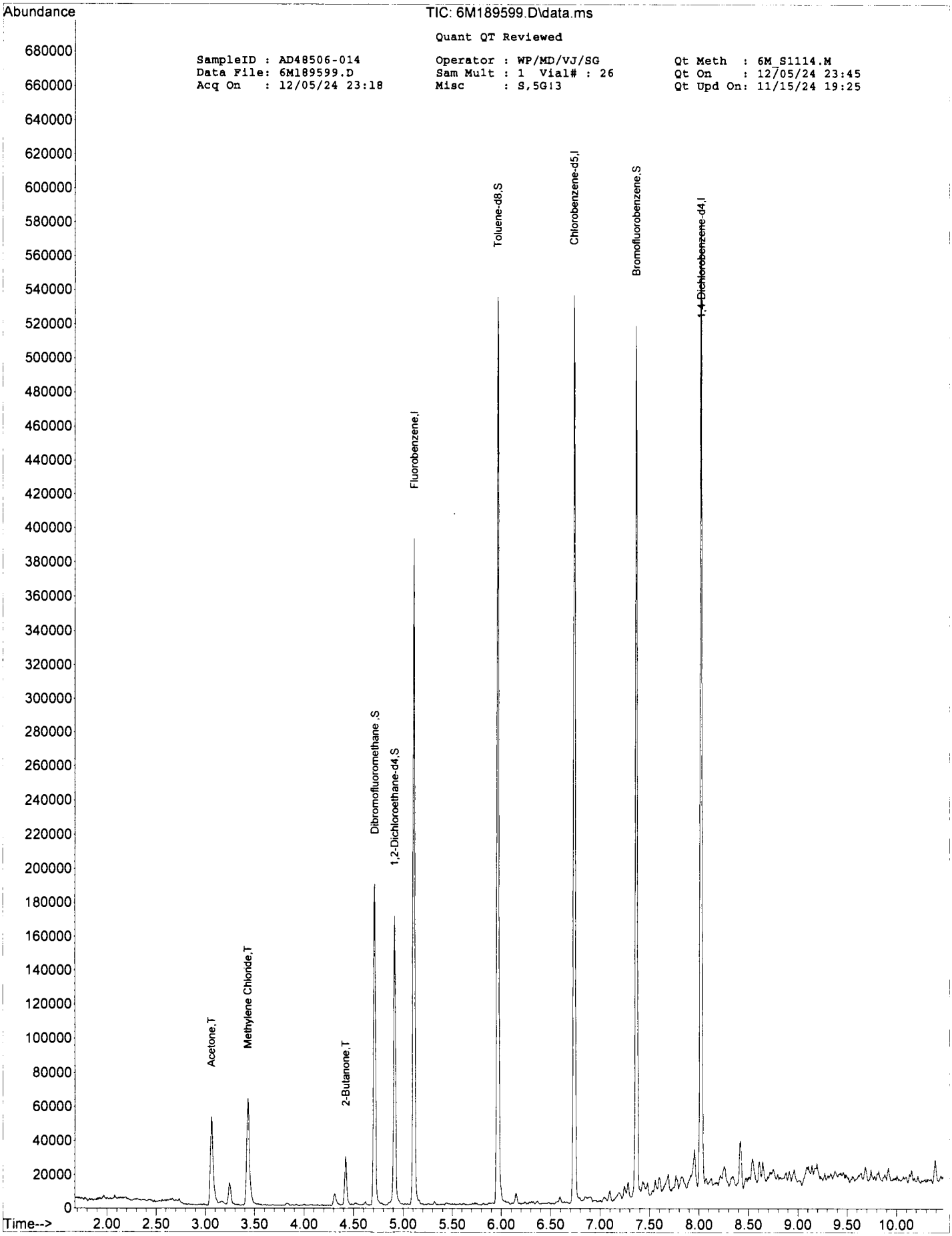
Quantitation Report (QT Reviewed)

SampleID : AD48506-014 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189599.D Sam Mult : 1 Vial# : 26 Qt On : 12/05/24 23:45
Acq On : 12/05/24 23:18 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	226962	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.737	117	213871	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	111820	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	75059	32.24	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.47%			
39) 1,2-Dichloroethane-d4	4.914	67	41667	40.42	ug/l	0.00
Spiked Amount 30.000			Recovery = 134.73%			
66) Toluene-d8	5.963	98	262661	32.38	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.93%			
76) Bromofluorobenzene	7.365	174	94067	33.30	ug/l	0.00
Spiked Amount 30.000			Recovery = 111.00%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	32619	19.2772	ug/l	74
19) Acetone	3.061	43	65604	123.6437	ug/l	93
41) 2-Butanone	4.420	43	22731m	30.3523	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189599.D\data.ms
Quant QT Reviewed
SampleID : AD48506-014
Data File: 6M189599.D
Acq On : 12/05/24 23:18
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 26
Misc : S,5G!3
Qt Meth : 6M_S1114.M
Qt On : 12/05/24 23:45
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-015
Client Id: SB-24-9.5-10.0'
Data File: 6M189600.D
Analysis Date: 12/05/24 23:40
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.03g
Final Vol: NA
Dilution: 0.994
Solids: 66

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0030	U	56-23-5	Carbon Tetrachloride	0.0030	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0030	U	108-90-7	Chlorobenzene	0.0030	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0030	U	75-00-3	Chloroethane	0.0030	U
79-00-5	1,1,2-Trichloroethane	0.0030	U	67-66-3	Chloroform	0.0030	U
75-34-3	1,1-Dichloroethane	0.0030	U	74-87-3	Chloromethane	0.0030	U
75-35-4	1,1-Dichloroethene	0.0030	U	156-59-2	cis-1,2-Dichloroethene	0.0030	U
87-61-6	1,2,3-Trichlorobenzene	0.0030	U	10061-01-5	cis-1,3-Dichloropropene	0.0030	U
120-82-1	1,2,4-Trichlorobenzene	0.0030	U	110-82-7	Cyclohexane	0.0030	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0030	U	124-48-1	Dibromochloromethane	0.0030	U
106-93-4	1,2-Dibromoethane	0.0015	U	75-71-8	Dichlorodifluoromethane	0.0030	U
95-50-1	1,2-Dichlorobenzene	0.0030	U	100-41-4	Ethylbenzene	0.0015	U
107-06-2	1,2-Dichloroethane	0.0030	U	98-82-8	Isopropylbenzene	0.0015	U
78-87-5	1,2-Dichloropropane	0.0030	U	79601-23-1	m&p-Xylenes	0.0021	U
541-73-1	1,3-Dichlorobenzene	0.0030	U	79-20-9	Methyl Acetate	0.0030	U
106-46-7	1,4-Dichlorobenzene	0.0030	U	108-87-2	Methylcyclohexane	0.0030	U
123-91-1	1,4-Dioxane	0.15	U	**75-09-2**	**Methylene Chloride**	**0.0030**	**0.054**
78-93-3	**2-Butanone**	**0.0030**	**0.092**	1634-04-4	Methyl-t-butyl ether	0.0015	U
591-78-6	2-Hexanone	0.0030	U	95-47-6	o-Xylene	0.0015	U
108-10-1	4-Methyl-2-Pentanone	0.0030	U	100-42-5	Styrene	0.0030	U
67-64-1	**Acetone**	**0.015**	**0.36**	127-18-4	Tetrachloroethene	0.0030	U
71-43-2	Benzene	0.0015	U	108-88-3	Toluene	0.0015	U
74-97-5	Bromochloromethane	0.0030	U	156-60-5	trans-1,2-Dichloroethene	0.0030	U
75-27-4	Bromodichloromethane	0.0030	U	10061-02-6	trans-1,3-Dichloropropene	0.0030	U
75-25-2	Bromoform	0.0030	U	79-01-6	Trichloroethene	0.0030	U
74-83-9	Bromomethane	0.0030	U	75-69-4	Trichlorofluoromethane	0.0030	U
75-15-0	Carbon Disulfide	0.0075	U	75-01-4	Vinyl Chloride	0.0030	U
542-75-6	1,3-Dichloropropene (Total)	0.0030	U	1330-20-7	Xylenes (Total)	0.0015	U

Worksheet #: 764829

Total Target Concentration 0.51

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

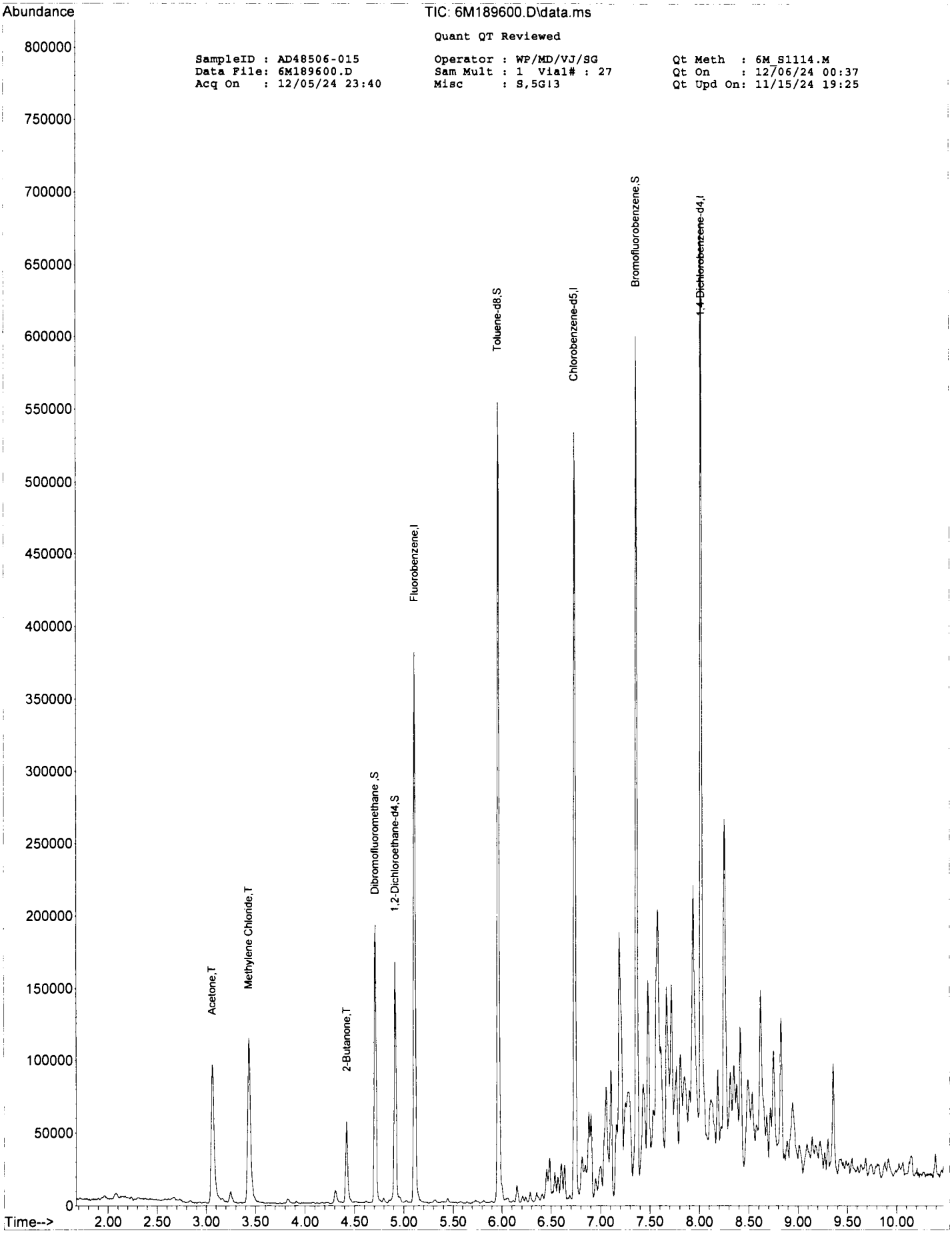
Quantitation Report (QT Reviewed)

SampleID : AD48506-015 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189600.D Sam Mult : 1 Vial# : 27 Qt On : 12/06/24 00:37
Acq On : 12/05/24 23:40 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	224404	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.737	117	214126	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	130428	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.707	111	73593	31.97	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.57%			
39) 1,2-Dichloroethane-d4	4.914	67	40002	39.25	ug/l	0.00
Spiked Amount 30.000			Recovery = 130.83%			
66) Toluene-d8	5.963	98	261230	32.17	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.23%			
76) Bromofluorobenzene	7.365	174	100288	30.44	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.47%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	60045	35.8900	ug/l	71
19) Acetone	3.061	43	124423	237.1728	ug/l	97
41) 2-Butanone	4.420	43	45124m	60.9402	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189600.D\data.ms
Quant QT Reviewed
SampleID : AD48506-015
Data File: 6M189600.D
Acq On : 12/05/24 23:40
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 27
Misc : S,5G13
Qt Meth : 6M_S1114.M
Qt On : 12/06/24 00:37
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-016
Client Id: SB-20-9.5-10.0'
Data File: 6M189601.D
Analysis Date: 12/06/24 00:01
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.21g
Final Vol: NA
Dilution: 0.960
Solids: 73

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0026	U	56-23-5	Carbon Tetrachloride	0.0026	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0026	U	108-90-7	Chlorobenzene	0.0026	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0026	U	75-00-3	Chloroethane	0.0026	U
79-00-5	1,1,2-Trichloroethane	0.0026	U	67-66-3	Chloroform	0.0026	U
75-34-3	1,1-Dichloroethane	0.0026	U	74-87-3	Chloromethane	0.0026	U
75-35-4	1,1-Dichloroethene	0.0026	U	156-59-2	cis-1,2-Dichloroethene	0.0026	U
87-61-6	1,2,3-Trichlorobenzene	0.0026	U	10061-01-5	cis-1,3-Dichloropropene	0.0026	U
120-82-1	1,2,4-Trichlorobenzene	0.0026	U	110-82-7	Cyclohexane	0.0026	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0026	U	124-48-1	Dibromochloromethane	0.0026	U
106-93-4	1,2-Dibromoethane	0.0013	U	75-71-8	Dichlorodifluoromethane	0.0026	U
95-50-1	1,2-Dichlorobenzene	0.0026	U	100-41-4	Ethylbenzene	0.0013	U
107-06-2	1,2-Dichloroethane	0.0026	U	**98-82-8**	**Isopropylbenzene**	**0.0013**	**0.0024**
78-87-5	1,2-Dichloropropane	0.0026	U	79601-23-1	m&p-Xylenes	0.0018	U
541-73-1	1,3-Dichlorobenzene	0.0026	U	79-20-9	Methyl Acetate	0.0026	U
106-46-7	1,4-Dichlorobenzene	0.0026	U	108-87-2	Methylcyclohexane	0.0026	U
123-91-1	1,4-Dioxane	0.13	U	**75-09-2**	**Methylene Chloride**	**0.0026**	**0.085**
78-93-3	**2-Butanone**	**0.0026**	**0.12**	1634-04-4	Methyl-t-butyl ether	0.0013	U
591-78-6	2-Hexanone	0.0026	U	**95-47-6**	**o-Xylene**	**0.0013**	**0.0014**
108-10-1	4-Methyl-2-Pentanone	0.0026	U	100-42-5	Styrene	0.0026	U
67-64-1	**Acetone**	**0.013**	**0.44**	127-18-4	Tetrachloroethene	0.0026	U
71-43-2	Benzene	0.0013	U	108-88-3	Toluene	0.0013	U
74-97-5	Bromochloromethane	0.0026	U	156-60-5	trans-1,2-Dichloroethene	0.0026	U
75-27-4	Bromodichloromethane	0.0026	U	10061-02-6	trans-1,3-Dichloropropene	0.0026	U
75-25-2	Bromoform	0.0026	U	79-01-6	Trichloroethene	0.0026	U
74-83-9	Bromomethane	0.0026	U	75-69-4	Trichlorofluoromethane	0.0026	U
75-15-0	**Carbon Disulfide**	**0.0066**	**0.029**	75-01-4	Vinyl Chloride	0.0026	U
542-75-6	1,3-Dichloropropene (Total)	0.0026	U	**1330-20-7**	**Xylenes (Total)**	**0.0013**	**0.0014**

Worksheet #: 764829

Total Target Concentration 0.68

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

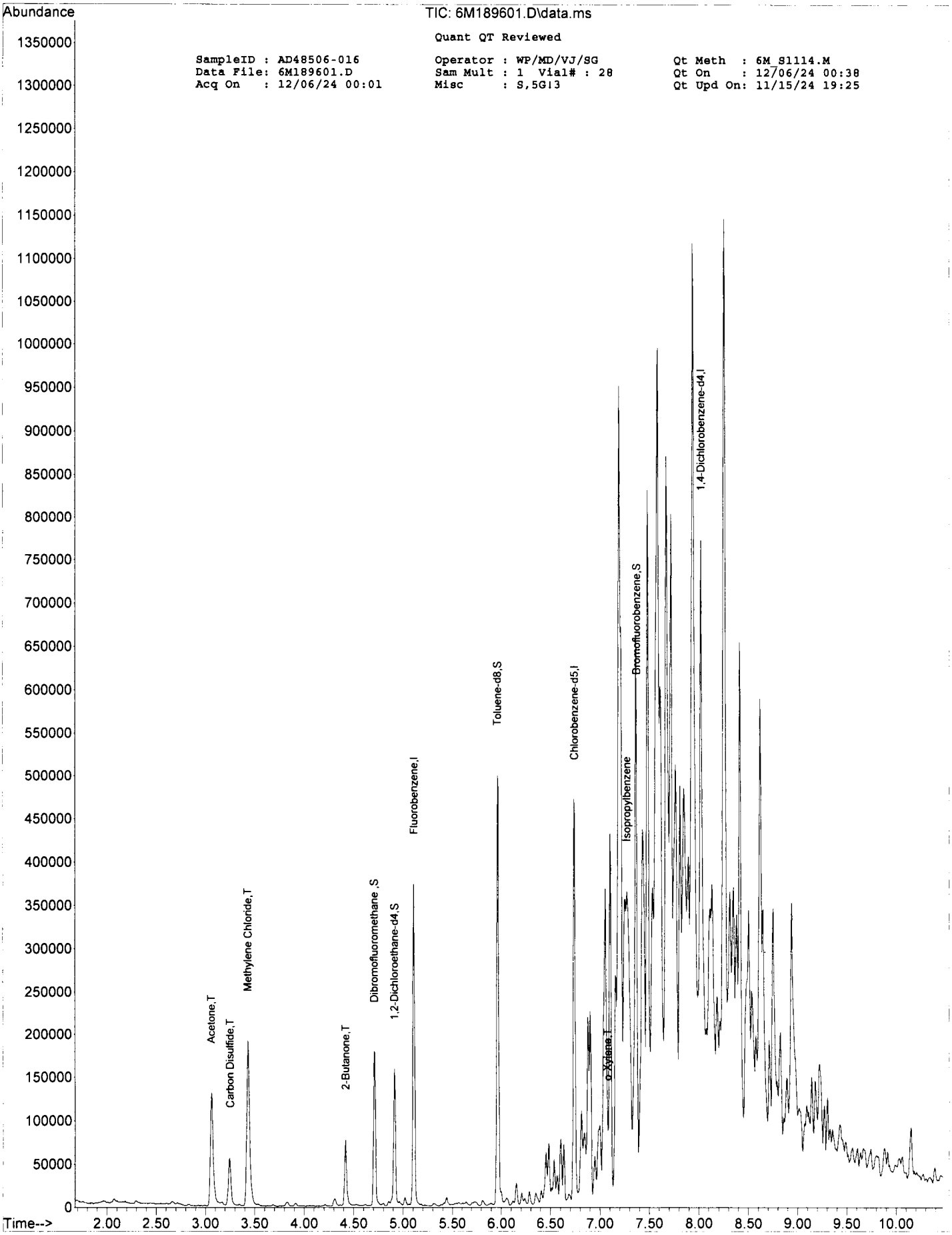
Quantitation Report (QT Reviewed)

SampleID : AD48506-016 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189601.D Sam Mult : 1 Vial# : 28 Qt On : 12/06/24 00:38
Acq On : 12/06/24 00:01 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	207940	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	185115	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	104848	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.706	111	68650	32.19	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.30%			
39) 1,2-Dichloroethane-d4	4.914	67	36910	39.08	ug/l	0.00
Spiked Amount 30.000			Recovery = 130.27%			
66) Toluene-d8	5.962	98	241131	34.34	ug/l	0.00
Spiked Amount 30.000			Recovery = 114.47%			
76) Bromofluorobenzene	7.371	174	81124	30.63	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.10%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	100629	64.9100	ug/l	69
19) Acetone	3.060	43	162109	333.4755	ug/l	88
20) Carbon Disulfide	3.249	76	77723	21.8497	ug/l	100
41) 2-Butanone	4.420	43	61435m	89.5374	ug/l	
79) o-Xylene	7.078	106	2597	1.0458	ug/l	76
84) Isopropylbenzene	7.273	105	10632	1.8375	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189601.D\data.ms
Quant QT Reviewed
SampleID : AD48506-016
Data File: 6M189601.D
Acq On : 12/06/24 00:01
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 28
Misc : S,5G!3
Qt Meth : 6M_S1114.M
Qt On : 12/06/24 00:38
Qt Upd On: 11/15/24 19:25
Acetone,T
Carbon Disulfide,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-018
Client Id: SB-19-9.5-10.0'
Data File: 6M189602.D
Analysis Date: 12/06/24 00:23
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.11g
Final Vol: NA
Dilution: 0.978
Solids: 75

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0026	U	56-23-5	Carbon Tetrachloride	0.0026	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0026	U	**108-90-7**	**Chlorobenzene**	**0.0026**	**0.0085**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0026	U	75-00-3	Chloroethane	0.0026	U
79-00-5	1,1,2-Trichloroethane	0.0026	U	67-66-3	Chloroform	0.0026	U
75-34-3	1,1-Dichloroethane	0.0026	U	74-87-3	Chloromethane	0.0026	U
75-35-4	1,1-Dichloroethene	0.0026	U	156-59-2	cis-1,2-Dichloroethene	0.0026	U
87-61-6	1,2,3-Trichlorobenzene	0.0026	U	10061-01-5	cis-1,3-Dichloropropene	0.0026	U
120-82-1	1,2,4-Trichlorobenzene	0.0026	U	**110-82-7**	**Cyclohexane**	**0.0026**	**0.0068**
96-12-8	1,2-Dibromo-3-Chloropropa	0.0026	U	124-48-1	Dibromochloromethane	0.0026	U
106-93-4	1,2-Dibromoethane	0.0013	U	75-71-8	Dichlorodifluoromethane	0.0026	U
95-50-1	1,2-Dichlorobenzene	0.0026	U	**100-41-4**	**Ethylbenzene**	**0.0013**	**0.0022**
107-06-2	1,2-Dichloroethane	0.0026	U	**98-82-8**	**Isopropylbenzene**	**0.0013**	**0.016**
78-87-5	1,2-Dichloropropane	0.0026	U	**79601-23-1**	**m&p-Xylenes**	**0.0018**	**0.020**
541-73-1	1,3-Dichlorobenzene	0.0026	U	79-20-9	Methyl Acetate	0.0026	U
106-46-7	1,4-Dichlorobenzene	0.0026	U	**108-87-2**	**Methylcyclohexane**	**0.0026**	**0.037**
123-91-1	1,4-Dioxane	0.13	U	**75-09-2**	**Methylene Chloride**	**0.0026**	**0.029**
78-93-3	**2-Butanone**	**0.0026**	**0.071**	1634-04-4	Methyl-t-butyl ether	0.0013	U
591-78-6	2-Hexanone	0.0026	U	**95-47-6**	**o-Xylene**	**0.0013**	**0.020**
108-10-1	4-Methyl-2-Pentanone	0.0026	U	100-42-5	Styrene	0.0026	U
67-64-1	**Acetone**	**0.013**	**0.26**	127-18-4	Tetrachloroethene	0.0026	U
71-43-2	**Benzene**	**0.0013**	**0.0029**	**108-88-3**	**Toluene**	**0.0013**	**0.0018**
74-97-5	Bromochloromethane	0.0026	U	156-60-5	trans-1,2-Dichloroethene	0.0026	U
75-27-4	Bromodichloromethane	0.0026	U	10061-02-6	trans-1,3-Dichloropropene	0.0026	U
75-25-2	Bromoform	0.0026	U	79-01-6	Trichloroethene	0.0026	U
74-83-9	Bromomethane	0.0026	U	75-69-4	Trichlorofluoromethane	0.0026	U
75-15-0	Carbon Disulfide	0.0065	U	75-01-4	Vinyl Chloride	0.0026	U
542-75-6	1,3-Dichloropropene (Total)	0.0026	U	**1330-20-7**	**Xylenes (Total)**	**0.0013**	**0.040**

Worksheet #: 764829

Total Target Concentration 0.48

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

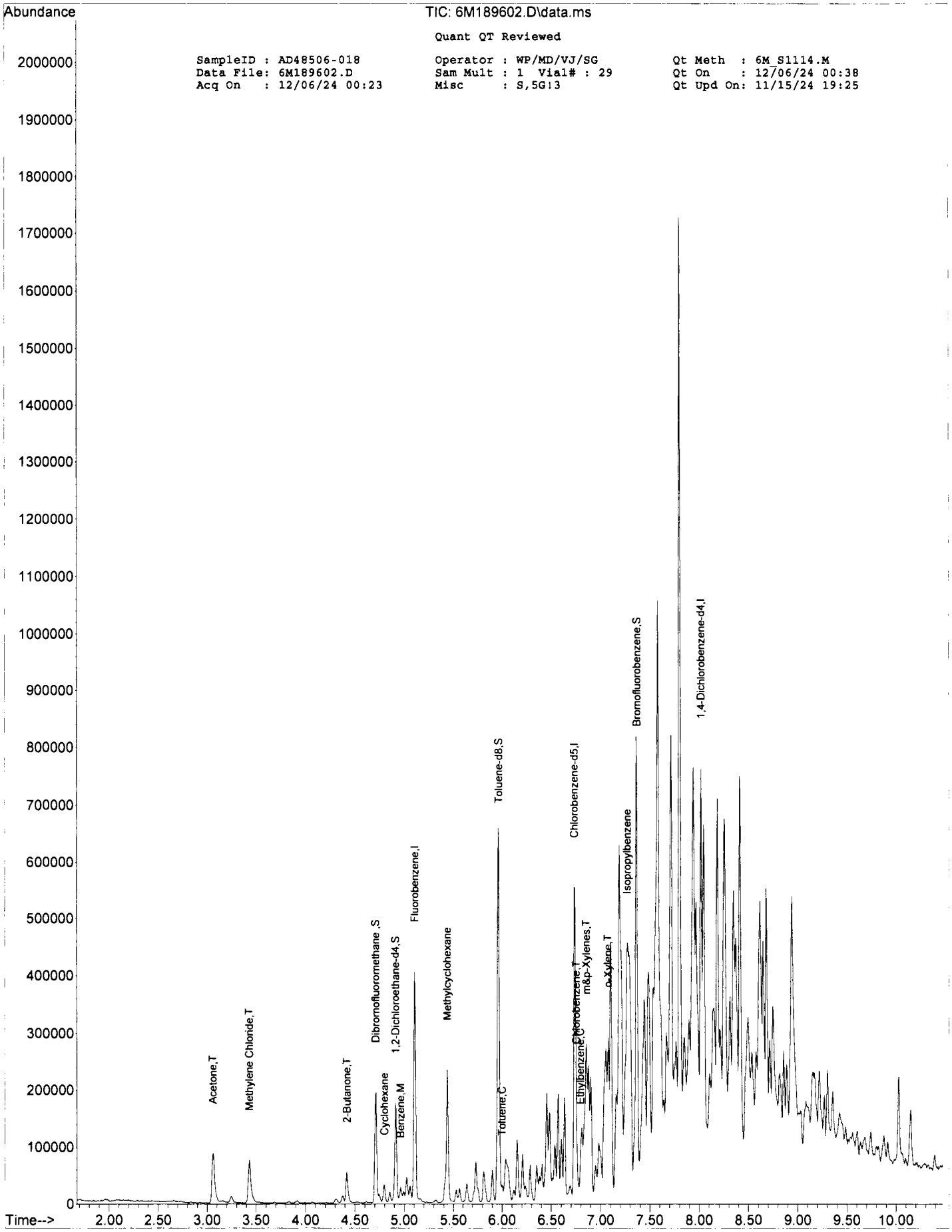
Quantitation Report (QT Reviewed)

Data File: 6M189602.D
SampleID : AD48506-018
Acq On : 12/06/24 00:23
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 29
Misc : S,5G!3
Qt Meth : 6M_S1114.M
Qt On : 12/06/24 00:38
Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	233124	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.737	117	212582	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	119529	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	78109	32.66	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.87%			
39) 1,2-Dichloroethane-d4	4.914	67	41731	39.41	ug/l	0.00
Spiked Amount 30.000			Recovery = 131.37%			
66) Toluene-d8	5.969	98	270931	33.60	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.00%			
76) Bromofluorobenzene	7.371	174	97709	32.36	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.87%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	38847	22.3510	ug/l	66
19) Acetone	3.061	43	109379	200.6974	ug/l	92
38) Cyclohexane	4.798	56	8925m	5.2003	ug/l	
41) 2-Butanone	4.420	43	41976m	54.5684	ug/l	
46) Methylcyclohexane	5.438	83	65504	28.2422	ug/l	96
50) Benzene	4.963	78	13747	2.2307	ug/l	100
67) Toluene	5.999	92	5921	1.3998	ug/l	79
69) Chlorobenzene	6.755	112	33150	6.5511	ug/l	94
74) Ethylbenzene	6.798	106	3504	1.7067	ug/l	72
78) m&p-Xylenes	6.859	106	44262	15.6916	ug/l	90
79) o-Xylene	7.078	106	42639	15.0612	ug/l	82
84) Isopropylbenzene	7.273	105	78383	11.8828	ug/l	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189602.D\data.ms
Quant QT Reviewed
SampleID : AD48506-018
Data File: 6M189602.D
Acq On : 12/06/24 00:23
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 29
Misc : S,5G13
Qt Meth : 6M_S1114.M
Qt On : 12/06/24 00:38
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane ,S
Cyclohexane
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I
Methylcyclohexane
Toluene-d8,S
Toluene,C
Chlorobenzene-d5,I
Ethylbenzene,C
Chlorobenzene,T
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-019
Client Id: SB-14-9.5-10.0'
Data File: 6M189603.D
Analysis Date: 12/06/24 00:45
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.32g
Final Vol: NA
Dilution: 0.940
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0022	U	56-23-5	Carbon Tetrachloride	0.0022	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0022	U	108-90-7	Chlorobenzene	0.0022	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0022	U	75-00-3	Chloroethane	0.0022	U
79-00-5	1,1,2-Trichloroethane	0.0022	U	67-66-3	Chloroform	0.0022	U
75-34-3	1,1-Dichloroethane	0.0022	U	74-87-3	Chloromethane	0.0022	U
75-35-4	1,1-Dichloroethene	0.0022	U	156-59-2	cis-1,2-Dichloroethene	0.0022	U
87-61-6	1,2,3-Trichlorobenzene	0.0022	U	10061-01-5	cis-1,3-Dichloropropene	0.0022	U
120-82-1	1,2,4-Trichlorobenzene	0.0022	U	110-82-7	Cyclohexane	0.0022	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0022	U	124-48-1	Dibromochloromethane	0.0022	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0022	U
95-50-1	1,2-Dichlorobenzene	0.0022	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0022	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0022	U	79601-23-1	m&p-Xylenes	0.0015	U
541-73-1	1,3-Dichlorobenzene	0.0022	U	79-20-9	Methyl Acetate	0.0022	U
106-46-7	1,4-Dichlorobenzene	0.0022	U	108-87-2	Methylcyclohexane	0.0022	U
123-91-1	1,4-Dioxane	0.11	U	**75-09-2**	**Methylene Chloride**	**0.0022**	**0.033**
78-93-3	**2-Butanone**	**0.0022**	**0.0086**	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0022	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0022	U	100-42-5	Styrene	0.0022	U
67-64-1	**Acetone**	**0.011**	**0.046**	127-18-4	Tetrachloroethene	0.0022	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0022	U	156-60-5	trans-1,2-Dichloroethene	0.0022	U
75-27-4	Bromodichloromethane	0.0022	U	10061-02-6	trans-1,3-Dichloropropene	0.0022	U
75-25-2	Bromoform	0.0022	U	79-01-6	Trichloroethene	0.0022	U
74-83-9	Bromomethane	0.0022	U	75-69-4	Trichlorofluoromethane	0.0022	U
75-15-0	Carbon Disulfide	0.0055	U	75-01-4	Vinyl Chloride	0.0022	U
542-75-6	1,3-Dichloropropene (Total)	0.0022	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764829

Total Target Concentration 0.088

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

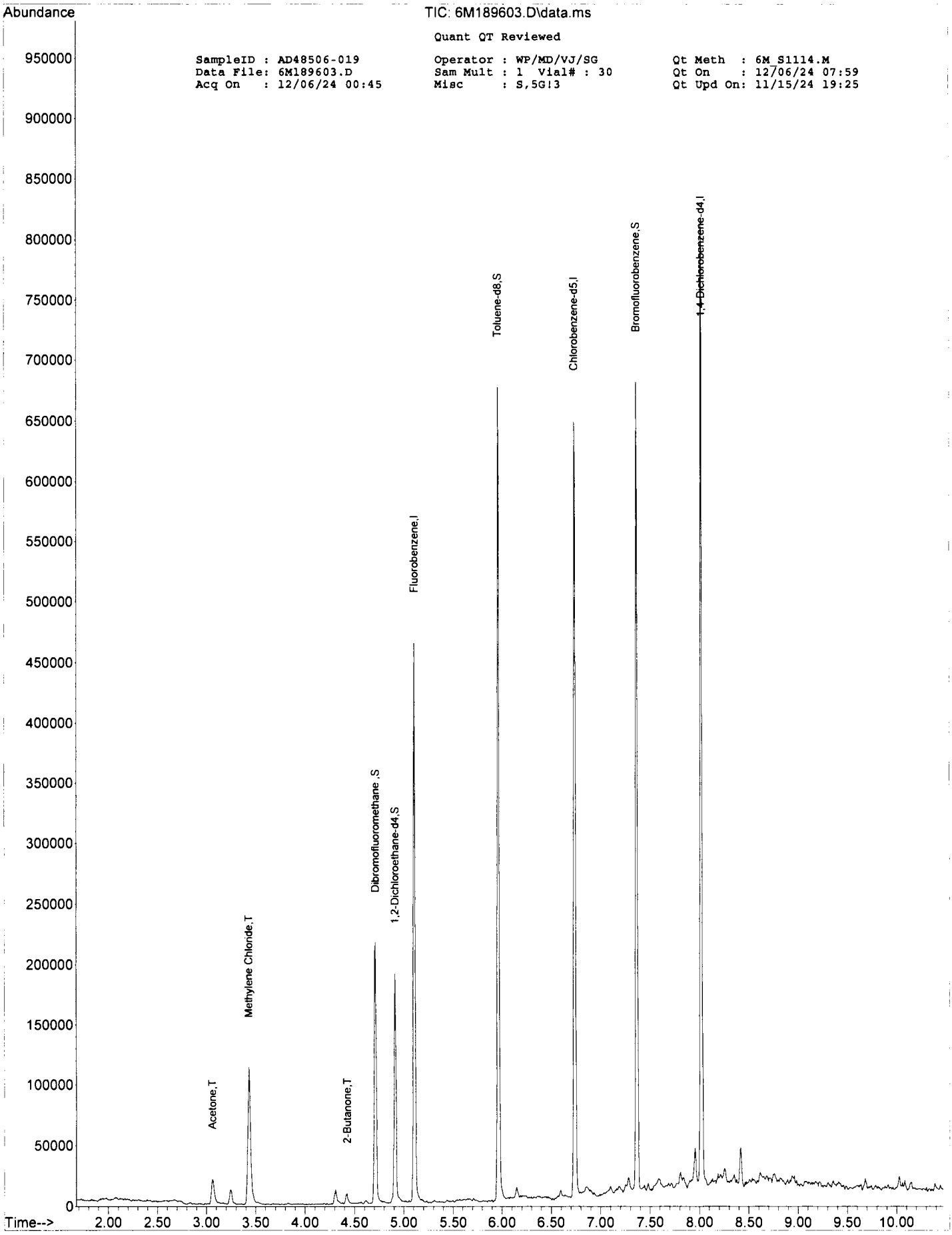
Quantitation Report (QT Reviewed)

SampleID : AD48506-019 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189603.D Sam Mult : 1 Vial# : 30 Qt On : 12/06/24 07:59
Acq On : 12/06/24 00:45 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	265775	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.737	117	262336	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	157376	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	85460	31.35	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.50%			
39) 1,2-Dichloroethane-d4	4.914	67	45502	37.70	ug/l	0.00
Spiked Amount 30.000			Recovery = 125.67%			
66) Toluene-d8	5.962	98	314738	31.63	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.43%			
76) Bromofluorobenzene	7.365	174	123246	31.00	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.33%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	59460	30.0080	ug/l	74
19) Acetone	3.060	43	26295	42.3208	ug/l	94
41) 2-Butanone	4.426	43	6870m	7.8337	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189603.D\data.ms
Quant QT Reviewed
SampleID : AD48506-019
Data File: 6M189603.D
Acq On : 12/06/24 00:45
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 30
Misc : S,5G!3
Qt Meth : 6M_S1114.M
Qt On : 12/06/24 07:59
Qt Upd On: 11/15/24 19:25
950000
900000
850000
800000
750000
700000
650000
600000
550000
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0
Time-->
2.00
2.50
3.00
3.50
4.00
4.50
5.00
5.50
6.00
6.50
7.00
7.50
8.00
8.50
9.00
9.50
10.00
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48506-020
Client Id: SB-08-9.5-10.0'
Data File: 6M189604.D
Analysis Date: 12/06/24 01:07
Date Rec/Extracted: 12/04/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.3g
Final Vol: NA
Dilution: 0.943
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0021	U	56-23-5	Carbon Tetrachloride	0.0021	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0021	U	108-90-7	Chlorobenzene	0.0021	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0021	U	75-00-3	Chloroethane	0.0021	U
79-00-5	1,1,2-Trichloroethane	0.0021	U	67-66-3	Chloroform	0.0021	U
75-34-3	1,1-Dichloroethane	0.0021	U	74-87-3	Chloromethane	0.0021	U
75-35-4	1,1-Dichloroethene	0.0021	U	156-59-2	cis-1,2-Dichloroethene	0.0021	U
87-61-6	1,2,3-Trichlorobenzene	0.0021	U	10061-01-5	cis-1,3-Dichloropropene	0.0021	U
120-82-1	1,2,4-Trichlorobenzene	0.0021	U	110-82-7	Cyclohexane	0.0021	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0021	U	124-48-1	Dibromochloromethane	0.0021	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0021	U
95-50-1	1,2-Dichlorobenzene	0.0021	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0021	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0021	U	79601-23-1	m&p-Xylenes	0.0015	U
541-73-1	1,3-Dichlorobenzene	0.0021	U	79-20-9	Methyl Acetate	0.0021	U
106-46-7	1,4-Dichlorobenzene	0.0021	U	108-87-2	Methylcyclohexane	0.0021	U
123-91-1	1,4-Dioxane	0.11	U	**75-09-2**	**Methylene Chloride**	**0.0021**	**0.043**
78-93-3	**2-Butanone**	**0.0021**	**0.043**	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0021	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0021	U	100-42-5	Styrene	0.0021	U
67-64-1	**Acetone**	**0.011**	**0.20**	127-18-4	Tetrachloroethene	0.0021	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0021	U	156-60-5	trans-1,2-Dichloroethene	0.0021	U
75-27-4	Bromodichloromethane	0.0021	U	10061-02-6	trans-1,3-Dichloropropene	0.0021	U
75-25-2	Bromoform	0.0021	U	79-01-6	Trichloroethene	0.0021	U
74-83-9	Bromomethane	0.0021	U	75-69-4	Trichlorofluoromethane	0.0021	U
75-15-0	Carbon Disulfide	0.0054	U	75-01-4	Vinyl Chloride	0.0021	U
542-75-6	1,3-Dichloropropene (Total)	0.0021	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 764829

Total Target Concentration 0.29

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

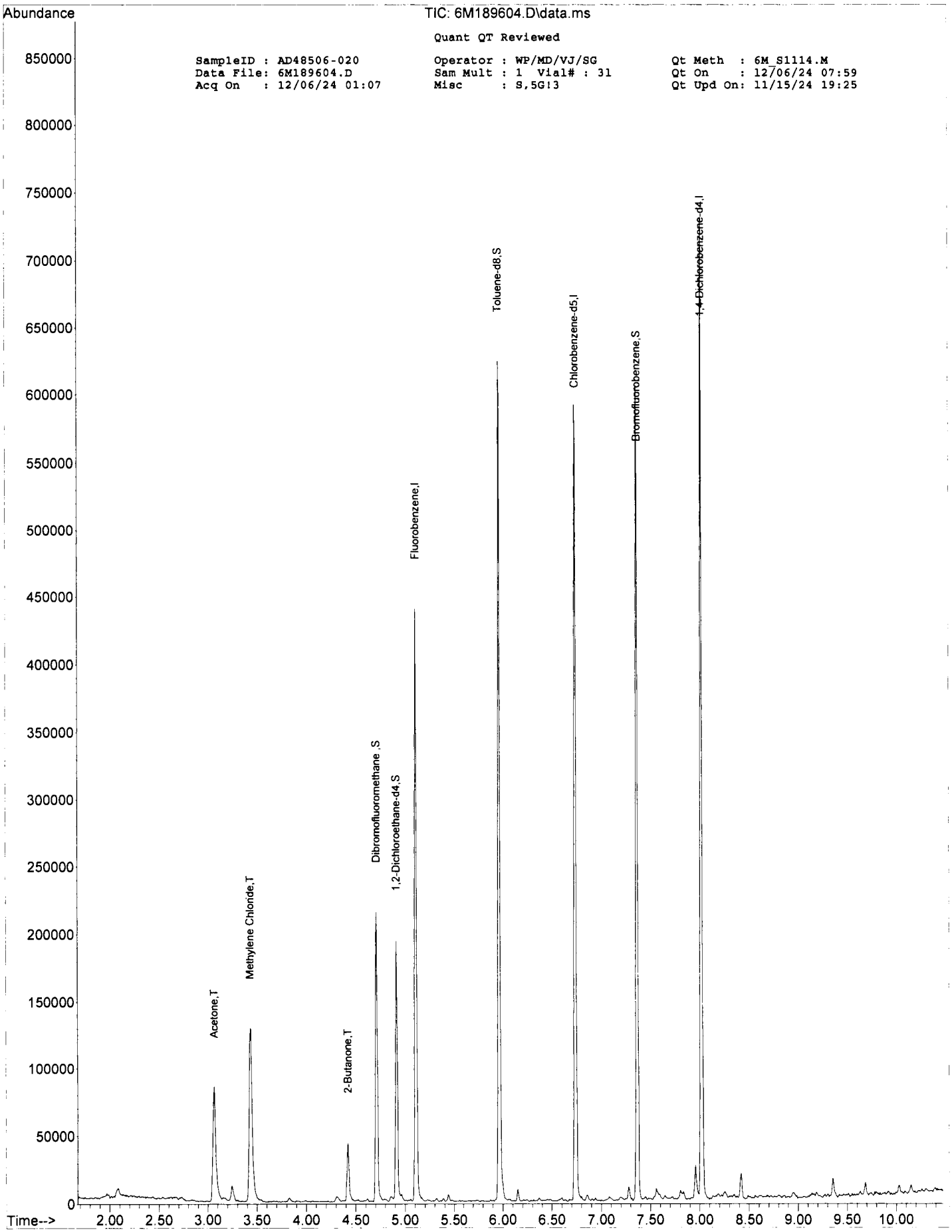
Quantitation Report (QT Reviewed)

SampleID : AD48506-020 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189604.D Sam Mult : 1 Vial# : 31 Qt On : 12/06/24 07:59
Acq On : 12/06/24 01:07 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	257797	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	241062	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	140581	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	84106	31.81	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.03%			
39) 1,2-Dichloroethane-d4	4.914	67	44390	37.91	ug/l	0.00
Spiked Amount 30.000			Recovery = 126.37%			
66) Toluene-d8	5.963	98	292517	31.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.63%			
76) Bromofluorobenzene	7.371	174	110725	31.18	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.93%			
Target Compounds						Qvalue
15) Methylene Chloride	3.433	84	76326	39.7120	ug/l	64
19) Acetone	3.067	43	111643	185.2458	ug/l	89
41) 2-Butanone	4.420	43	33883m	39.8319	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189604.D\data.ms
Quant QT Reviewed
SampleID : AD48506-020
Data File: 6M189604.D
Acq On : 12/06/24 01:07
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 31
Misc : S,5G!3
Qt Meth : 6M_S1114.M
Qt On : 12/06/24 07:59
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-001(3X)
Client Id: SB-12-0-2.0'
Data File: 9M131110.D
Analysis Date: 12/11/24 03:57
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 85

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.12	U	**50-32-8**	**Benzo[a]pyrene**	**0.12**	**0.60**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.12	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.12**	**0.83**
123-91-1	1,4-Dioxane	0.12	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.12**	**0.42**
58-90-2	2,3,4,6-Tetrachlorophenol	0.12	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.12**	**0.28**
95-95-4	2,4,5-Trichlorophenol	0.12	U	111-91-1	bis(2-Chloroethoxy)methan	0.12	U
88-06-2	2,4,6-Trichlorophenol	0.12	U	111-44-4	bis(2-Chloroethyl)ether	0.045	U
120-83-2	2,4-Dichlorophenol	0.12	U	108-60-1	bis(2-chloroisopropyl)ether	0.12	U
105-67-9	2,4-Dimethylphenol	0.12	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.12	U
51-28-5	2,4-Dinitrophenol	0.59	U	85-68-7	Butylbenzylphthalate	0.12	U
121-14-2	2,4-Dinitrotoluene	0.12	U	105-60-2	Caprolactam	0.12	U
606-20-2	2,6-Dinitrotoluene	0.12	U	86-74-8	Carbazole	0.12	U
91-58-7	2-Chloronaphthalene	0.12	U	**218-01-9**	**Chrysene**	**0.12**	**0.59**
95-57-8	2-Chlorophenol	0.12	U	53-70-3	Dibenzo[a,h]anthracene	0.12	U
91-57-6	2-Methylnaphthalene	0.12	U	132-64-9	Dibenzofuran	0.12	U
95-48-7	2-Methylphenol	0.12	U	84-66-2	Diethylphthalate	0.12	U
88-74-4	2-Nitroaniline	0.12	U	131-11-3	Dimethylphthalate	0.12	U
88-75-5	2-Nitrophenol	0.12	U	84-74-2	Di-n-butylphthalate	0.59	U
106-44-5	3&4-Methylphenol	0.12	U	117-84-0	Di-n-octylphthalate	0.12	U
91-94-1	3,3'-Dichlorobenzidine	0.12	U	**206-44-0**	**Fluoranthene**	**0.12**	**0.88**
99-09-2	3-Nitroaniline	0.12	U	86-73-7	Fluorene	0.12	U
534-52-1	4,6-Dinitro-2-methylphenol	0.59	U	118-74-1	Hexachlorobenzene	0.12	U
101-55-3	4-Bromophenyl-phenylether	0.12	U	87-68-3	Hexachlorobutadiene	0.12	U
59-50-7	4-Chloro-3-methylphenol	0.12	U	77-47-4	Hexachlorocyclopentadiene	0.59	U
106-47-8	4-Chloroaniline	0.12	U	67-72-1	Hexachloroethane	0.12	U
7005-72-3	4-Chlorophenyl-phenylether	0.12	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.12**	**0.45**
100-01-6	4-Nitroaniline	0.12	U	78-59-1	Isophorone	0.12	U
100-02-7	4-Nitrophenol	0.12	U	91-20-3	Naphthalene	0.12	U
83-32-9	Acenaphthene	0.12	U	98-95-3	Nitrobenzene	0.12	U
208-96-8	Acenaphthylene	0.12	U	621-64-7	N-Nitroso-di-n-propylamine	0.12	U
98-86-2	Acetophenone	0.12	U	86-30-6	n-Nitrosodiphenylamine	0.12	U
120-12-7	Anthracene	0.12	U	87-86-5	Pentachlorophenol	0.59	U
1912-24-9	Atrazine	0.12	U	**85-01-8**	**Phenanthrene**	**0.12**	**0.37**
100-52-7	Benzaldehyde	0.12	U	108-95-2	Phenol	0.12	U
56-55-3	**Benzo[a]anthracene**	**0.12**	**0.55**	**129-00-0**	**Pyrene**	**0.12**	**0.80**

Worksheet #: 764930 *Total Target Concentration* 5.8 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

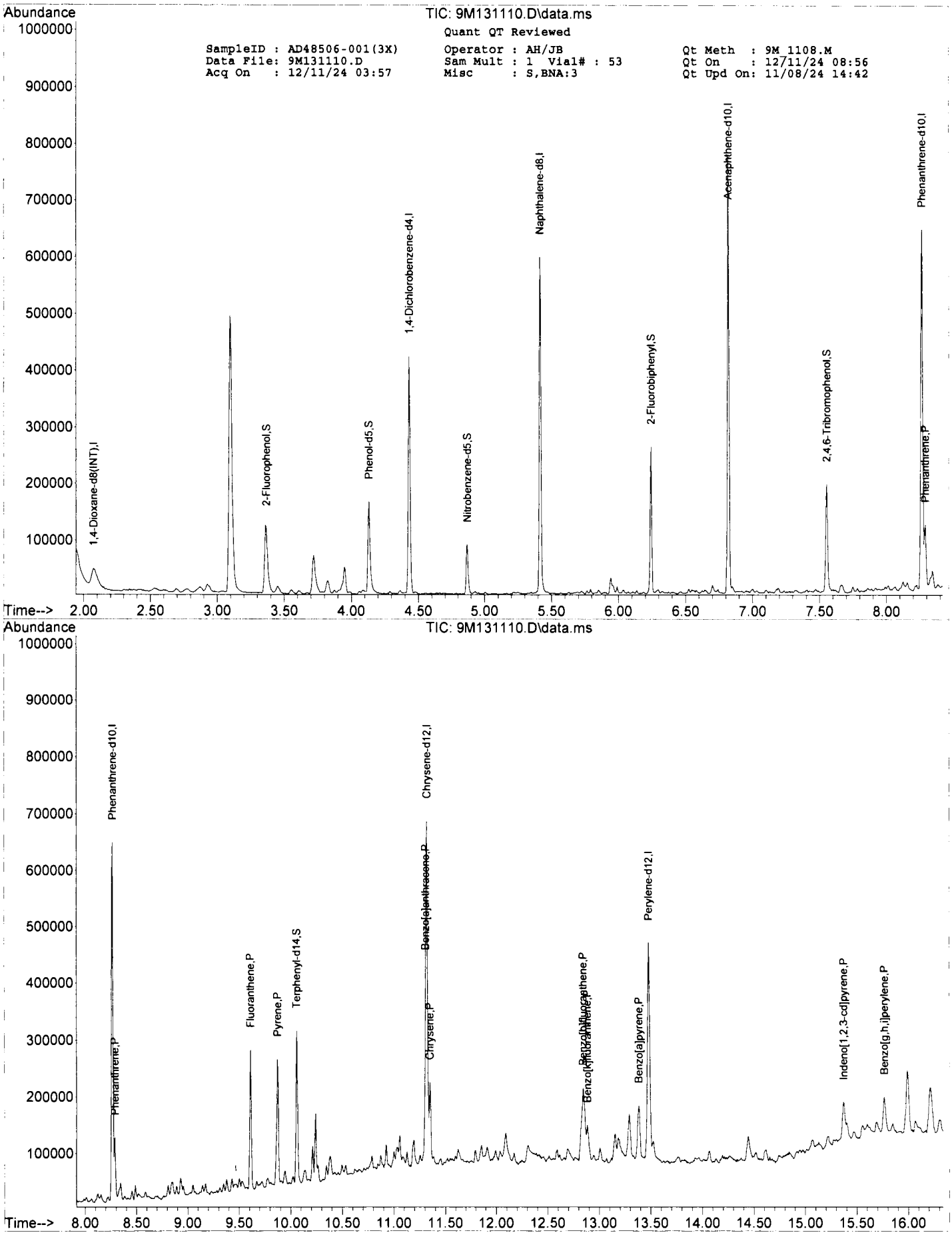
Quantitation Report (QT Reviewed)

SampleID : AD48506-001(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131110.D Sam Mult : 1 Vial# : 53 Qt On : 12/11/24 08:56
Acq On : 12/11/24 03:57 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.072	96	39138	40.00	ng	-0.04
21) 1,4-Dichlorobenzene-d4	4.431	152	71169	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	265437	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	155005	40.00	ng	-0.04
76) Phenanthrene-d10	8.266	188	267862	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	230286	40.00	ng	-0.04
102) Perylene-d12	13.477	264	224405	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.366	112	58445	27.86	ng	-0.02
Spiked Amount 100.000			Recovery = 27.86%			
16) Phenol-d5	4.131	99	73952	26.84	ng	-0.02
Spiked Amount 100.000			Recovery = 26.84%			
32) Nitrobenzene-d5	4.872	128	16514	15.48	ng	-0.03
Spiked Amount 50.000			Recovery = 30.96%			
55) 2-Fluorobiphenyl	6.242	172	71748	14.80	ng	-0.04
Spiked Amount 50.000			Recovery = 29.60%			
79) 2,4,6-Tribromophenol	7.554	330	27167	40.05	ng	-0.04
Spiked Amount 100.000			Recovery = 40.05%			
93) Terphenyl-d14	10.060	244	89566	18.38	ng	-0.04
Spiked Amount 50.000			Recovery = 36.76%			
Target Compounds						Qvalue
85) Phenanthrene	8.289	178	41543m	6.2865	ng	
89) Fluoranthene	9.613	202	106350	14.9960	ng	91
91) Pyrene	9.872	202	98773	13.6501	ng	92
99) Benzo[a]anthracene	11.307	228	63587m	9.3879	ng	
100) Chrysene	11.348	228	64223m	10.0437	ng	
104) Benzo[b]fluoranthene	12.842	252	91070m	14.1366	ng	
105) Benzo[k]fluoranthene	12.883	252	32243m	4.7217	ng	
106) Benzo[a]pyrene	13.383	252	62224m	10.2600	ng	
107) Indeno[1,2,3-cd]pyrene	15.371	276	41717m	7.6477	ng	
109) Benzo[g,h,i]perylene	15.765	276	39460m	7.1708	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131110.D\data.ms
Quant QT Reviewed
SampleID : AD48506-001(3X)
Data File: 9M131110.D
Acq On : 12/11/24 03:57
Operator : AH/JB
Sam Mult : 1 Vial# : 53
Misc : S,BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/11/24 08:56
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->

Abundance
TIC: 9M131110.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-002
Client Id: SB-17-0-2.0'
Data File: 9M131095.D
Analysis Date: 12/10/24 22:32
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.040	U	**50-32-8**	**Benzo[a]pyrene**	**0.040**	**0.38**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.040	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.040**	**0.51**
123-91-1	1,4-Dioxane	0.040	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.040**	**0.29**
58-90-2	2,3,4,6-Tetrachlorophenol	0.040	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.040**	**0.16**
95-95-4	2,4,5-Trichlorophenol	0.040	U	111-91-1	bis(2-Chloroethoxy)methan	0.040	U
88-06-2	2,4,6-Trichlorophenol	0.040	U	111-44-4	bis(2-Chloroethyl)ether	0.015	U
120-83-2	2,4-Dichlorophenol	0.040	U	108-60-1	bis(2-chloroisopropyl)ether	0.040	U
105-67-9	2,4-Dimethylphenol	0.040	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.040	U
51-28-5	2,4-Dinitrophenol	0.20	U	85-68-7	Butylbenzylphthalate	0.040	U
121-14-2	2,4-Dinitrotoluene	0.040	U	105-60-2	Caprolactam	0.040	U
606-20-2	2,6-Dinitrotoluene	0.040	U	86-74-8	Carbazole	0.040	U
91-58-7	2-Chloronaphthalene	0.040	U	**218-01-9**	**Chrysene**	**0.040**	**0.38**
95-57-8	2-Chlorophenol	0.040	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.040**	**0.074**
91-57-6	2-Methylnaphthalene	0.040	U	132-64-9	Dibenzofuran	0.040	U
95-48-7	2-Methylphenol	0.040	U	84-66-2	Diethylphthalate	0.040	U
88-74-4	2-Nitroaniline	0.040	U	131-11-3	Dimethylphthalate	0.040	U
88-75-5	2-Nitrophenol	0.040	U	84-74-2	Di-n-butylphthalate	0.20	U
106-44-5	3&4-Methylphenol	0.040	U	117-84-0	Di-n-octylphthalate	0.040	U
91-94-1	3,3'-Dichlorobenzidine	0.040	U	**206-44-0**	**Fluoranthene**	**0.040**	**0.60**
99-09-2	3-Nitroaniline	0.040	U	86-73-7	Fluorene	0.040	U
534-52-1	4,6-Dinitro-2-methylphenol	0.20	U	118-74-1	Hexachlorobenzene	0.040	U
101-55-3	4-Bromophenyl-phenylether	0.040	U	87-68-3	Hexachlorobutadiene	0.040	U
59-50-7	4-Chloro-3-methylphenol	0.040	U	77-47-4	Hexachlorocyclopentadiene	0.20	U
106-47-8	4-Chloroaniline	0.040	U	67-72-1	Hexachloroethane	0.040	U
7005-72-3	4-Chlorophenyl-phenylether	0.040	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.040**	**0.31**
100-01-6	4-Nitroaniline	0.040	U	78-59-1	Isophorone	0.040	U
100-02-7	4-Nitrophenol	0.040	U	91-20-3	Naphthalene	0.040	U
83-32-9	Acenaphthene	0.040	U	98-95-3	Nitrobenzene	0.040	U
208-96-8	Acenaphthylene	0.040	U	621-64-7	N-Nitroso-di-n-propylamine	0.040	U
98-86-2	Acetophenone	0.040	U	86-30-6	n-Nitrosodiphenylamine	0.040	U
120-12-7	**Anthracene**	**0.040**	**0.11**	87-86-5	Pentachlorophenol	0.20	U
1912-24-9	Atrazine	0.040	U	**85-01-8**	**Phenanthrene**	**0.040**	**0.36**
100-52-7	Benzaldehyde	0.040	U	108-95-2	Phenol	0.040	U
56-55-3	**Benzo[a]anthracene**	**0.040**	**0.36**	**129-00-0**	**Pyrene**	**0.040**	**0.56**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

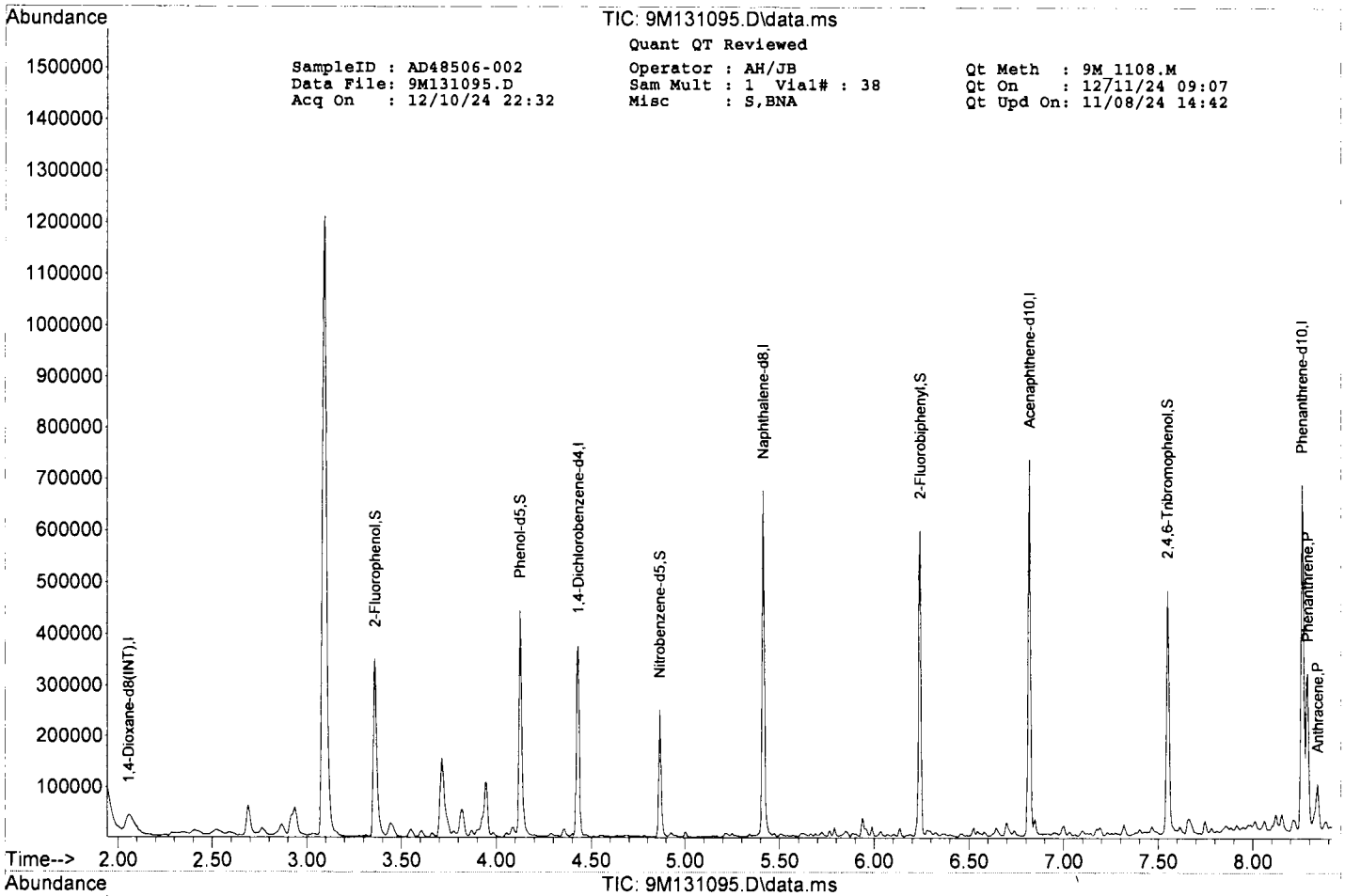
Quantitation Report (QT Reviewed)

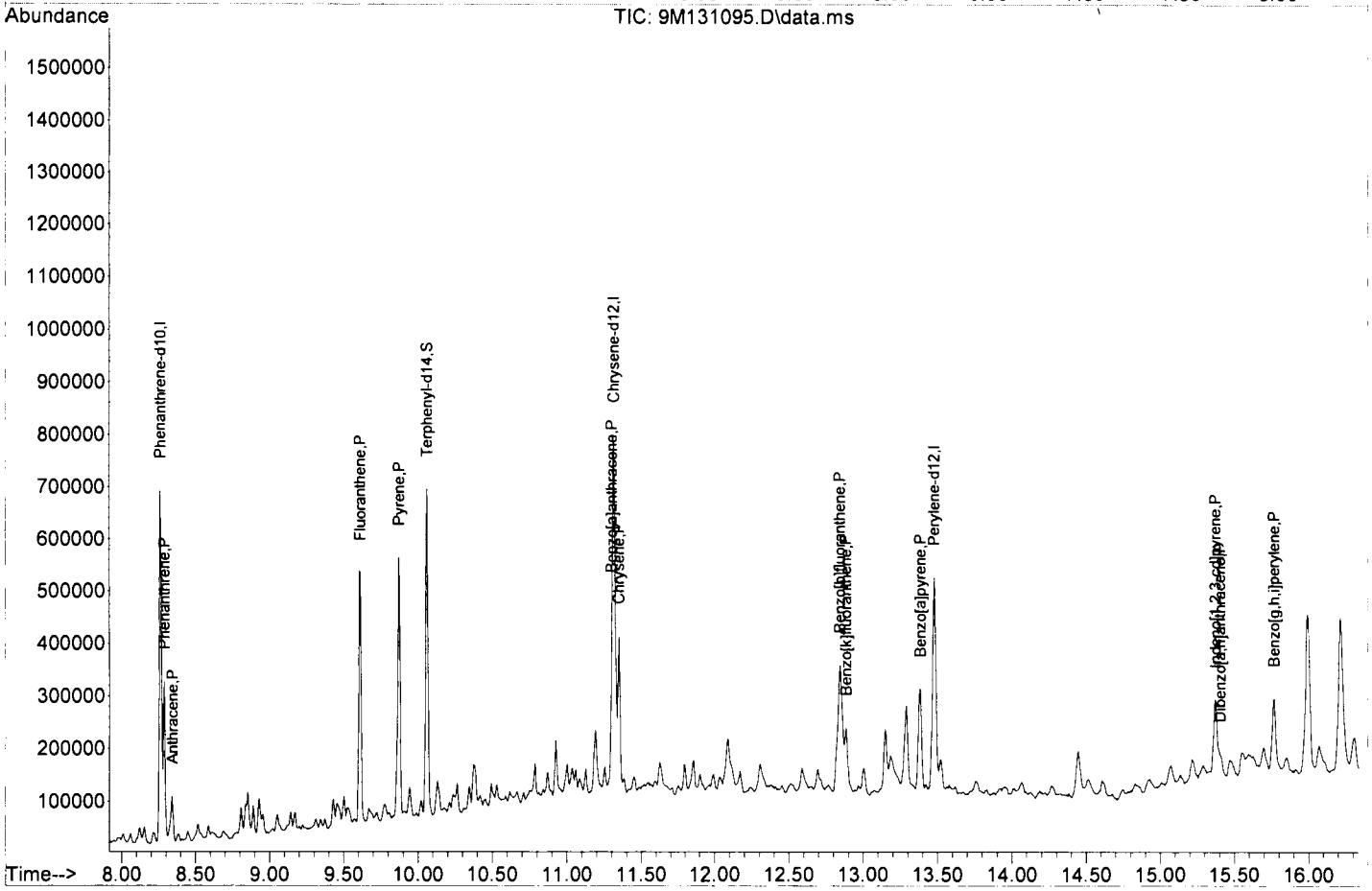
SampleID : AD48506-002 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131095.D Sam Mult : 1 Vial# : 38 Qt On : 12/11/24 09:07
Acq On : 12/10/24 22:32 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.054	96	40591	40.00	ng	-0.06
21) 1,4-Dichlorobenzene-d4	4.431	152	71534	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	275872	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	156723	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	279316	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	241675	40.00	ng	-0.05
102) Perylene-d12	13.477	264	245254	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	141529	65.05	ng	-0.03
Spiked Amount 100.000			Recovery = 65.05%			
16) Phenol-d5	4.125	99	179102	62.67	ng	-0.03
Spiked Amount 100.000			Recovery = 62.67%			
32) Nitrobenzene-d5	4.866	128	39014	35.18	ng	-0.04
Spiked Amount 50.000			Recovery = 70.36%			
55) 2-Fluorobiphenyl	6.242	172	182807	37.30	ng	-0.04
Spiked Amount 50.000			Recovery = 74.60%			
79) 2,4,6-Tribromophenol	7.548	330	68941	97.47	ng	-0.04
Spiked Amount 100.000			Recovery = 97.47%			
93) Terphenyl-d14	10.060	244	216136	42.27	ng	-0.04
Spiked Amount 50.000			Recovery = 84.54%			
Target Compounds						Qvalue
85) Phenanthrene	8.289	178	126110m	18.3011	ng	
86) Anthracene	8.342	178	37239m	5.3757	ng	
89) Fluoranthene	9.613	202	224996	30.4248	ng	88
91) Pyrene	9.872	202	213608	28.1288	ng	89
99) Benzo[a]anthracene	11.301	228	128076m	18.0178	ng	
100) Chrysene	11.348	228	128497m	19.1484	ng	
104) Benzo[b]fluoranthene	12.842	252	182684m	25.9470	ng	
105) Benzo[k]fluoranthene	12.883	252	60763m	8.1418	ng	
106) Benzo[a]pyrene	13.383	252	127465m	19.2308	ng	
107) Indeno[1,2,3-cd]pyrene	15.371	276	92178m	15.4618	ng	
108) Dibenzo[a,h]anthracene	15.401	278	22575m	3.7272	ng	
109) Benzo[g,h,i]perylene	15.765	276	87725m	14.5865	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131095.D\data.ms
Quant QT Reviewed
SampleID : AD48506-002
Data File: 9M131095.D
Acq On : 12/10/24 22:32
Operator : AH/JB
Sam Mult : 1 Via1# : 38
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/11/24 09:07
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Time-->


Abundance
TIC: 9M131095.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[b]fluoranthene,P
Benzo[k]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Dibenz[a,h]anthracene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-003
Client Id: SB-11-0-2.0'
Data File: 9M131096.D
Analysis Date: 12/10/24 22:53
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.040	U	**50-32-8**	**Benzo[a]pyrene**	**0.040**	**0.25**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.040	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.040**	**0.36**
123-91-1	1,4-Dioxane	0.040	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.040**	**0.23**
58-90-2	2,3,4,6-Tetrachlorophenol	0.040	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.040**	**0.11**
95-95-4	2,4,5-Trichlorophenol	0.040	U	111-91-1	bis(2-Chloroethoxy)methan	0.040	U
88-06-2	2,4,6-Trichlorophenol	0.040	U	111-44-4	bis(2-Chloroethyl)ether	0.015	U
120-83-2	2,4-Dichlorophenol	0.040	U	108-60-1	bis(2-chloroisopropyl)ether	0.040	U
105-67-9	2,4-Dimethylphenol	0.040	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.040	U
51-28-5	2,4-Dinitrophenol	0.20	U	85-68-7	Butylbenzylphthalate	0.040	U
121-14-2	2,4-Dinitrotoluene	0.040	U	105-60-2	Caprolactam	0.040	U
606-20-2	2,6-Dinitrotoluene	0.040	U	86-74-8	Carbazole	0.040	U
91-58-7	2-Chloronaphthalene	0.040	U	**218-01-9**	**Chrysene**	**0.040**	**0.23**
95-57-8	2-Chlorophenol	0.040	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.040**	**0.055**
91-57-6	2-Methylnaphthalene	0.040	U	132-64-9	Dibenzofuran	0.040	U
95-48-7	2-Methylphenol	0.040	U	84-66-2	Diethylphthalate	0.040	U
88-74-4	2-Nitroaniline	0.040	U	131-11-3	Dimethylphthalate	0.040	U
88-75-5	2-Nitrophenol	0.040	U	84-74-2	Di-n-butylphthalate	0.20	U
106-44-5	3&4-Methylphenol	0.040	U	117-84-0	Di-n-octylphthalate	0.040	U
91-94-1	3,3'-Dichlorobenzidine	0.040	U	**206-44-0**	**Fluoranthene**	**0.040**	**0.34**
99-09-2	3-Nitroaniline	0.040	U	86-73-7	Fluorene	0.040	U
534-52-1	4,6-Dinitro-2-methylphenol	0.20	U	118-74-1	Hexachlorobenzene	0.040	U
101-55-3	4-Bromophenyl-phenylether	0.040	U	87-68-3	Hexachlorobutadiene	0.040	U
59-50-7	4-Chloro-3-methylphenol	0.040	U	77-47-4	Hexachlorocyclopentadiene	0.20	U
106-47-8	4-Chloroaniline	0.040	U	67-72-1	Hexachloroethane	0.040	U
7005-72-3	4-Chlorophenyl-phenylether	0.040	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.040**	**0.22**
100-01-6	4-Nitroaniline	0.040	U	78-59-1	Isophorone	0.040	U
100-02-7	4-Nitrophenol	0.040	U	91-20-3	Naphthalene	0.040	U
83-32-9	Acenaphthene	0.040	U	98-95-3	Nitrobenzene	0.040	U
208-96-8	Acenaphthylene	0.040	U	621-64-7	N-Nitroso-di-n-propylamine	0.040	U
98-86-2	Acetophenone	0.040	U	86-30-6	n-Nitrosodiphenylamine	0.040	U
120-12-7	**Anthracene**	**0.040**	**0.051**	87-86-5	Pentachlorophenol	0.20	U
1912-24-9	Atrazine	0.040	U	**85-01-8**	**Phenanthrene**	**0.040**	**0.18**
100-52-7	Benzaldehyde	0.040	U	108-95-2	Phenol	0.040	U
56-55-3	**Benzo[a]anthracene**	**0.040**	**0.23**	**129-00-0**	**Pyrene**	**0.040**	**0.32**

Worksheet #: 764930

Total Target Concentration 2.6

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

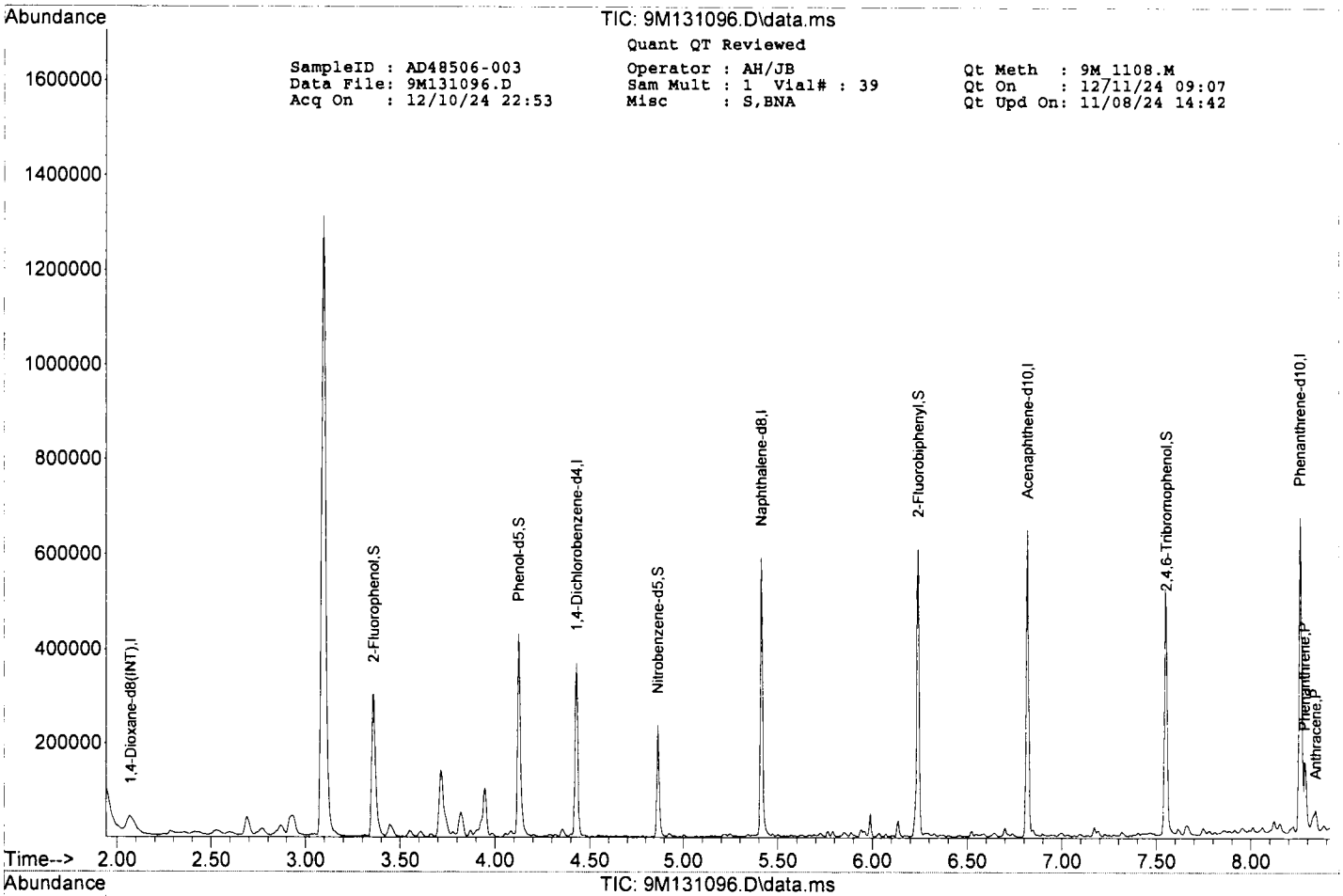
Quantitation Report (QT Reviewed)

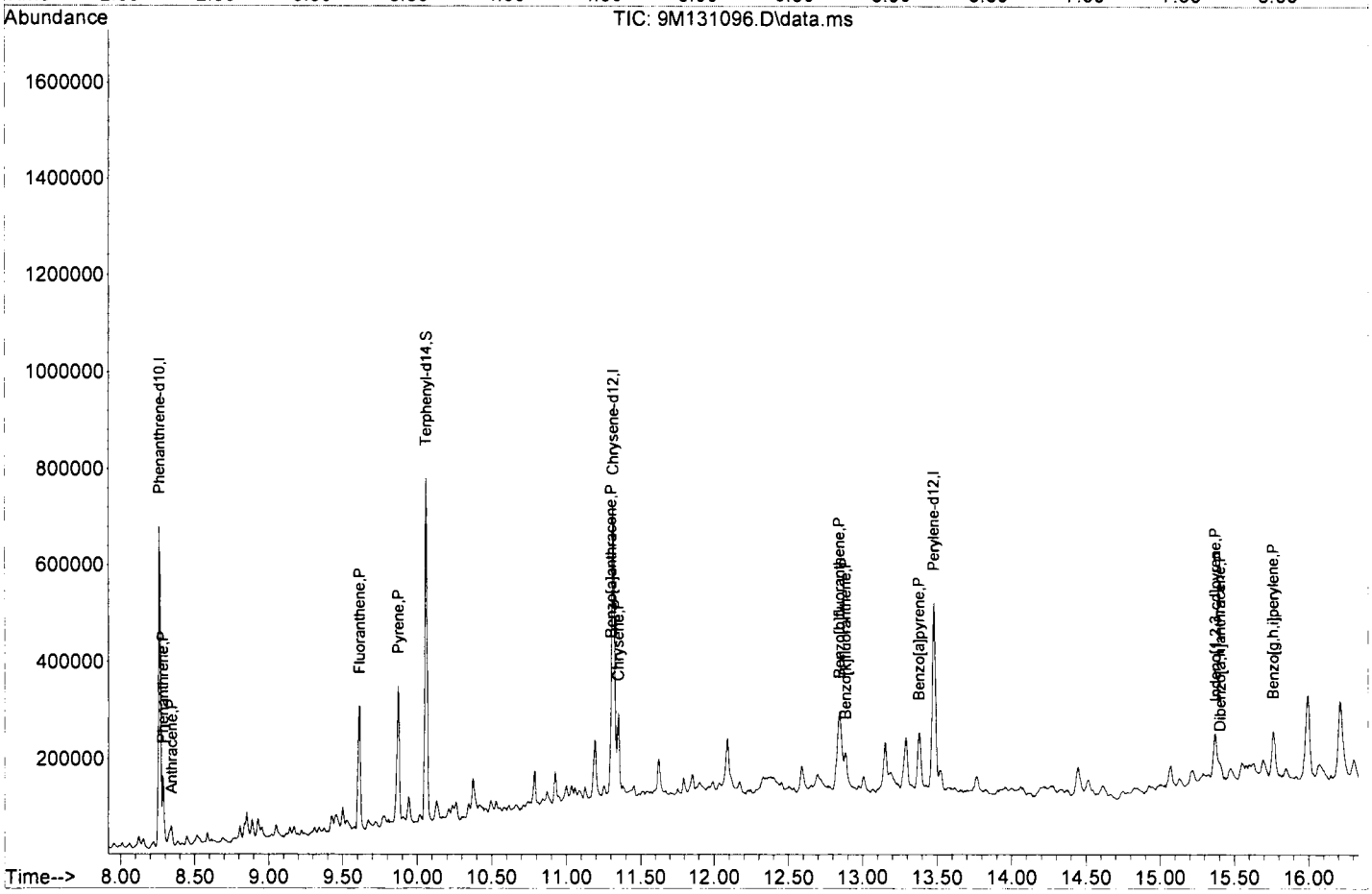
SampleID : AD48506-003 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131096.D Sam Mult : 1 Vial# : 39 Qt On : 12/11/24 09:07
Acq On : 12/10/24 22:53 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.072	96	38727	40.00	ng	-0.04
21) 1,4-Dichlorobenzene-d4	4.431	152	67803	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	249210	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	143213	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	265551	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	231298	40.00	ng	-0.05
102) Perylene-d12	13.477	264	226446	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	139832	67.36	ng	-0.03
Spiked Amount 100.000			Recovery = 67.36%			
16) Phenol-d5	4.125	99	181149	66.44	ng	-0.03
Spiked Amount 100.000			Recovery = 66.44%			
32) Nitrobenzene-d5	4.866	128	37183	37.12	ng	-0.04
Spiked Amount 50.000			Recovery = 74.24%			
55) 2-Fluorobiphenyl	6.242	172	182956	40.85	ng	-0.04
Spiked Amount 50.000			Recovery = 81.70%			
79) 2,4,6-Tribromophenol	7.554	330	76624	113.94	ng	-0.04
Spiked Amount 100.000			Recovery = 113.94%			
93) Terphenyl-d14	10.060	244	244012	49.87	ng	-0.04
Spiked Amount 50.000			Recovery = 99.74%			
Target Compounds						Qvalue
85) Phenanthrene	8.283	178	57938m	8.8438	ng	
86) Anthracene	8.342	178	16860m	2.5600	ng	
89) Fluoranthene	9.613	202	121990	17.3510	ng	89
91) Pyrene	9.872	202	118609	16.3197	ng	90
99) Benzo[a]anthracene	11.301	228	80483m	11.8304	ng	
100) Chrysene	11.348	228	73219m	11.4005	ng	
104) Benzo[b]fluoranthene	12.842	252	118179m	18.1793	ng	
105) Benzo[k]fluoranthene	12.883	252	36934m	5.3599	ng	
106) Benzo[a]pyrene	13.377	252	78398m	12.8104	ng	
107) Indeno[1,2,3-cd]pyrene	15.371	276	60950m	11.0728	ng	
108) Dibenzo[a,h]anthracene	15.401	278	15580m	2.7860	ng	
109) Benzo[g,h,i]perylene	15.759	276	63174m	11.3767	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131096.D\data.ms
Quant QT Reviewed
SampleID : AD48506-003
Data File: 9M131096.D
Acq On : 12/10/24 22:53
Operator : AH/JB
Sam Mult : 1 Vial# : 39
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/11/24 09:07
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Anthracene,P
Time-->


Abundance
TIC: 9M131096.D\data.ms
Phenanthrene-d10,I
Anthracene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[a]pyrene,P
Perylene-d12,I
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-004
Client Id: SB-10-0-2.0'
Data File: 9M131097.D
Analysis Date: 12/10/24 23:15
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.039	U	**50-32-8**	**Benzo[a]pyrene**	**0.039**	**0.45**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.039	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.039**	**0.65**
123-91-1	1,4-Dioxane	0.039	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.039**	**0.34**
58-90-2	2,3,4,6-Tetrachlorophenol	0.039	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.039**	**0.21**
95-95-4	2,4,5-Trichlorophenol	0.039	U	111-91-1	bis(2-Chloroethoxy)methan	0.039	U
88-06-2	2,4,6-Trichlorophenol	0.039	U	111-44-4	bis(2-Chloroethyl)ether	0.015	U
120-83-2	2,4-Dichlorophenol	0.039	U	108-60-1	bis(2-chloroisopropyl)ether	0.039	U
105-67-9	2,4-Dimethylphenol	0.039	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.039	U
51-28-5	2,4-Dinitrophenol	0.19	U	85-68-7	Butylbenzylphthalate	0.039	U
121-14-2	2,4-Dinitrotoluene	0.039	U	105-60-2	Caprolactam	0.039	U
606-20-2	2,6-Dinitrotoluene	0.039	U	86-74-8	Carbazole	0.039	U
91-58-7	2-Chloronaphthalene	0.039	U	**218-01-9**	**Chrysene**	**0.039**	**0.44**
95-57-8	2-Chlorophenol	0.039	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.039**	**0.091**
91-57-6	2-Methylnaphthalene	0.039	U	132-64-9	Dibenzofuran	0.039	U
95-48-7	2-Methylphenol	0.039	U	84-66-2	Diethylphthalate	0.039	U
88-74-4	2-Nitroaniline	0.039	U	131-11-3	Dimethylphthalate	0.039	U
88-75-5	2-Nitrophenol	0.039	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	0.039	U	117-84-0	Di-n-octylphthalate	0.039	U
91-94-1	3,3'-Dichlorobenzidine	0.039	U	**206-44-0**	**Fluoranthene**	**0.039**	**0.64**
99-09-2	3-Nitroaniline	0.039	U	86-73-7	Fluorene	0.039	U
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.039	U
101-55-3	4-Bromophenyl-phenylether	0.039	U	87-68-3	Hexachlorobutadiene	0.039	U
59-50-7	4-Chloro-3-methylphenol	0.039	U	77-47-4	Hexachlorocyclopentadiene	0.19	U
106-47-8	4-Chloroaniline	0.039	U	67-72-1	Hexachloroethane	0.039	U
7005-72-3	4-Chlorophenyl-phenylether	0.039	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.039**	**0.38**
100-01-6	4-Nitroaniline	0.039	U	78-59-1	Isophorone	0.039	U
100-02-7	4-Nitrophenol	0.039	U	91-20-3	Naphthalene	0.039	U
83-32-9	Acenaphthene	0.039	U	98-95-3	Nitrobenzene	0.039	U
208-96-8	**Acenaphthylene**	**0.039**	**0.041**	621-64-7	N-Nitroso-di-n-propylamine	0.039	U
98-86-2	Acetophenone	0.039	U	86-30-6	n-Nitrosodiphenylamine	0.039	U
120-12-7	**Anthracene**	**0.039**	**0.082**	87-86-5	Pentachlorophenol	0.19	U
1912-24-9	Atrazine	0.039	U	**85-01-8**	**Phenanthrene**	**0.039**	**0.27**
100-52-7	Benzaldehyde	0.039	U	108-95-2	Phenol	0.039	U
56-55-3	**Benzo[a]anthracene**	**0.039**	**0.44**	**129-00-0**	**Pyrene**	**0.039**	**0.63**

Worksheet #: 764930

Total Target Concentration 4.7

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

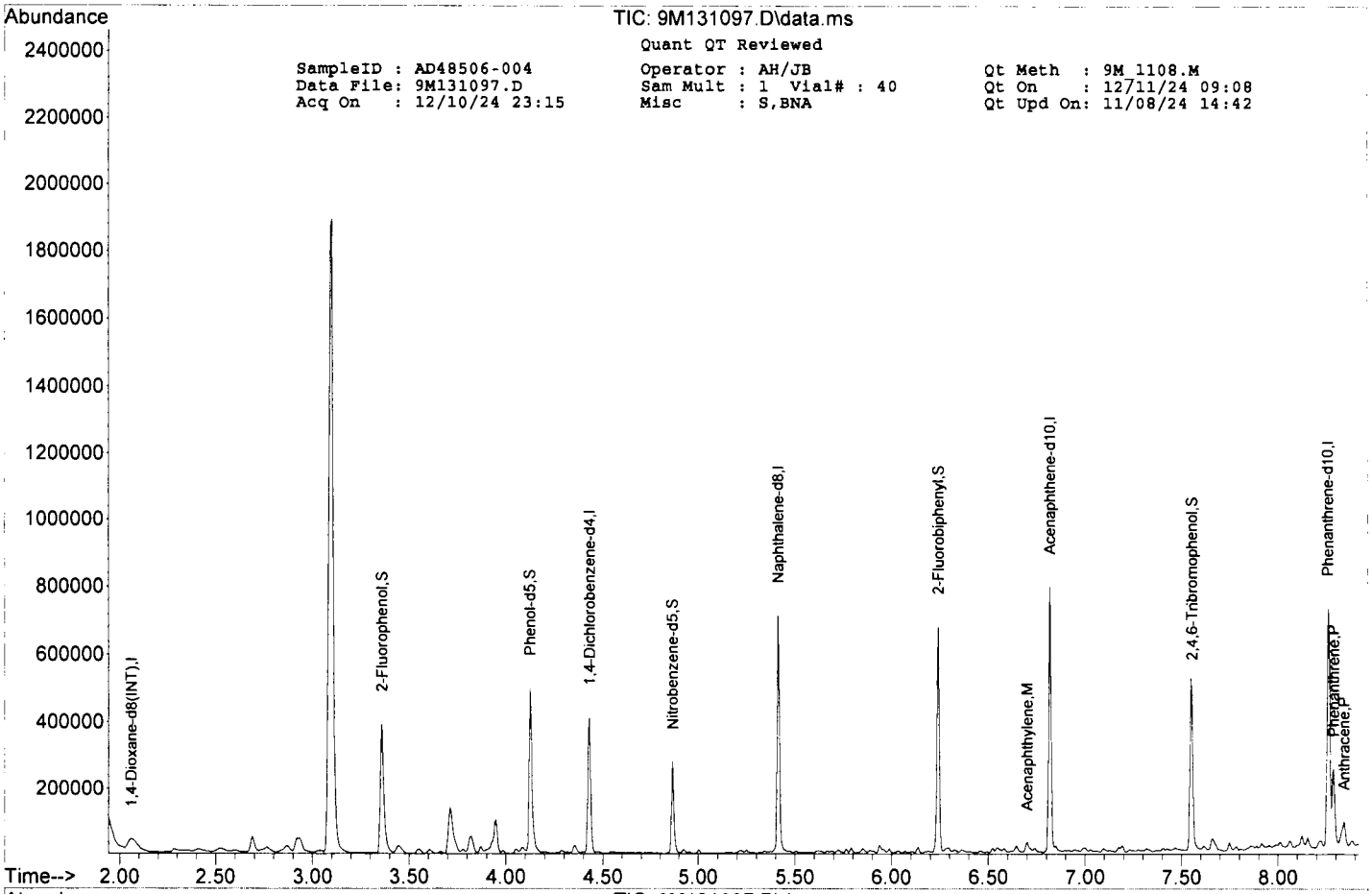
Quantitation Report (QT Reviewed)

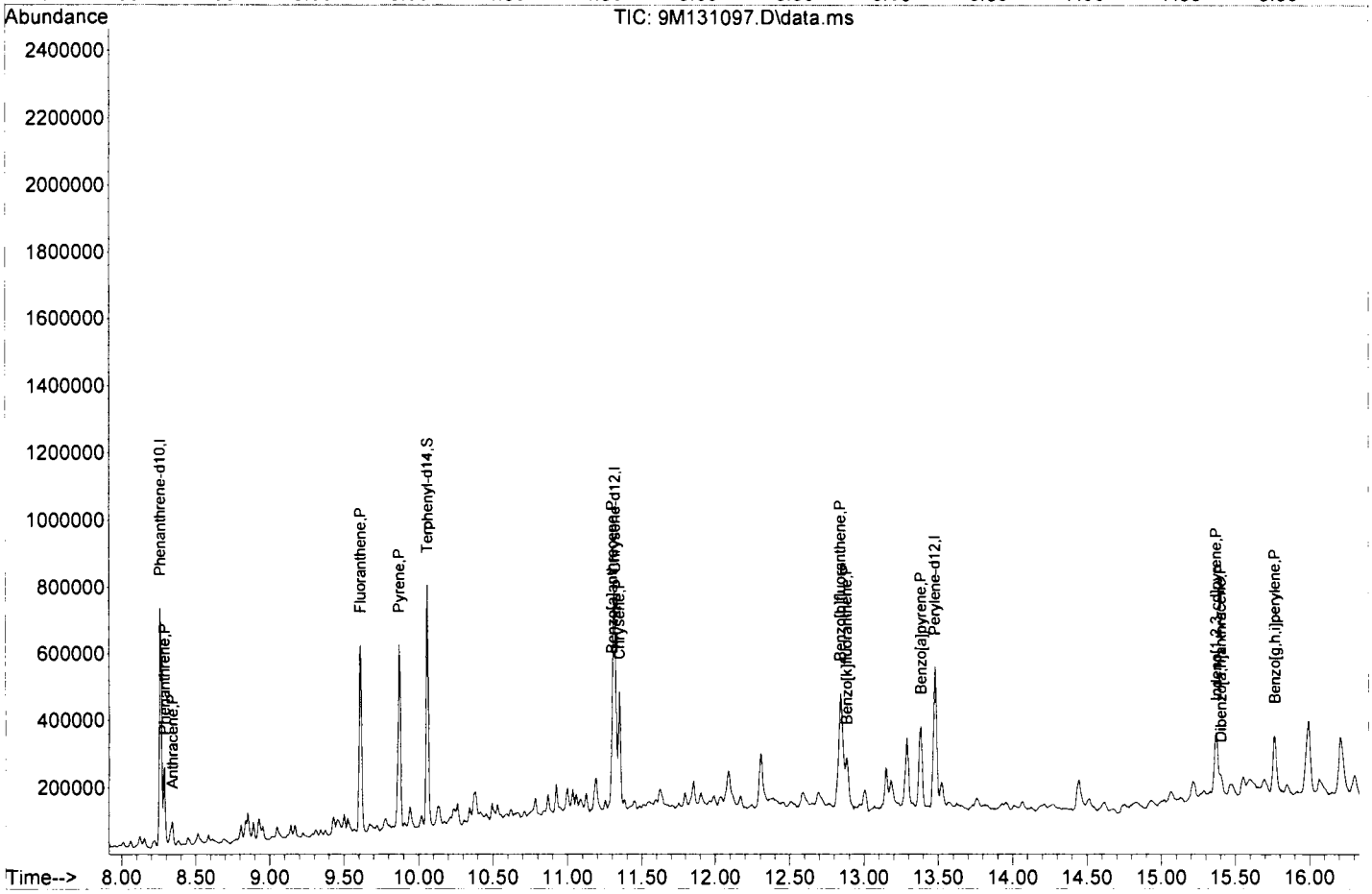
SampleID : AD48506-004 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131097.D Sam Mult : 1 Vial# : 40 Qt On : 12/11/24 09:08
Acq On : 12/10/24 23:15 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	42878	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	74425	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	289048	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	164372	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	291824	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	237336	40.00	ng	-0.04
102) Perylene-d12	13.477	264	247531	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	155752	67.77	ng	-0.03
Spiked Amount 100.000			Recovery = 67.77%			
16) Phenol-d5	4.125	99	198809	65.86	ng	-0.03
Spiked Amount 100.000			Recovery = 65.86%			
32) Nitrobenzene-d5	4.866	128	43655	37.57	ng	-0.04
Spiked Amount 50.000			Recovery = 75.14%			
55) 2-Fluorobiphenyl	6.243	172	208445	40.55	ng	-0.04
Spiked Amount 50.000			Recovery = 81.10%			
79) 2,4,6-Tribromophenol	7.554	330	76492	103.51	ng	-0.04
Spiked Amount 100.000			Recovery = 103.51%			
93) Terphenyl-d14	10.060	244	242815	48.36	ng	-0.04
Spiked Amount 50.000			Recovery = 96.72%			
Target Compounds						Qvalue
61) Acenaphthylene	6.701	152	13859m	2.0932	ng	
85) Phenanthrene	8.289	178	99820m	13.8650	ng	
86) Anthracene	8.342	178	30562m	4.2227	ng	
89) Fluoranthene	9.613	202	256664	33.2195	ng	88
91) Pyrene	9.872	202	240791	32.2881	ng	91
99) Benzo[a]anthracene	11.301	228	158024m	22.6373	ng	
100) Chrysene	11.348	228	150475m	22.8335	ng	
104) Benzo[b]fluoranthene	12.842	252	239775m	33.7424	ng	
105) Benzo[k]fluoranthene	12.883	252	80363m	10.6689	ng	
106) Benzo[a]pyrene	13.383	252	156928m	23.4581	ng	
107) Indeno[1,2,3-cd]pyrene	15.371	276	117560	19.5380	ng	96
108) Dibenzo[a,h]anthracene	15.401	278	28583m	4.6758	ng	
109) Benzo[g,h,i]perylene	15.765	276	105767m	17.4246	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131097.D\data.ms
Quant QT Reviewed
SampleID : AD48506-004
Data File: 9M131097.D
Acq On : 12/10/24 23:15
Operator : AH/JB
Sam Mult : 1 Vial# : 40
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/11/24 09:08
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthylene,M
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Anthracene,P
Time-->


Abundance
TIC: 9M131097.D\data.ms
Phenanthrene-d10,I
Anthracene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Benzo[k]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-005(5X)
Client Id: SB-22-0-2.0'
Data File: 9M131111.D
Analysis Date: 12/11/24 04:19
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 5
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.18	U	**50-32-8**	**Benzo[a]pyrene**	**0.18**	**2.5**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.18	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.18**	**3.1**
123-91-1	1,4-Dioxane	0.18	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.18**	**1.3**
58-90-2	2,3,4,6-Tetrachlorophenol	0.18	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.18**	**1.1**
95-95-4	2,4,5-Trichlorophenol	0.18	U	111-91-1	bis(2-Chloroethoxy)methan	0.18	U
88-06-2	2,4,6-Trichlorophenol	0.18	U	111-44-4	bis(2-Chloroethyl)ether	0.070	U
120-83-2	2,4-Dichlorophenol	0.18	U	108-60-1	bis(2-chloroisopropyl)ether	0.18	U
105-67-9	2,4-Dimethylphenol	0.18	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.18	U
51-28-5	2,4-Dinitrophenol	0.92	U	85-68-7	Butylbenzylphthalate	0.18	U
121-14-2	2,4-Dinitrotoluene	0.18	U	105-60-2	Caprolactam	0.18	U
606-20-2	2,6-Dinitrotoluene	0.18	U	**86-74-8**	**Carbazole**	**0.18**	**0.46**
91-58-7	2-Chloronaphthalene	0.18	U	**218-01-9**	**Chrysene**	**0.18**	**2.4**
95-57-8	2-Chlorophenol	0.18	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.18**	**0.38**
91-57-6	**2-Methylnaphthalene**	**0.18**	**0.29**	**132-64-9**	**Dibenzofuran**	**0.18**	**0.62**
95-48-7	2-Methylphenol	0.18	U	84-66-2	Diethylphthalate	0.18	U
88-74-4	2-Nitroaniline	0.18	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.18	U	84-74-2	Di-n-butylphthalate	0.92	U
106-44-5	3&4-Methylphenol	0.18	U	117-84-0	Di-n-octylphthalate	0.18	U
91-94-1	3,3'-Dichlorobenzidine	0.18	U	**206-44-0**	**Fluoranthene**	**0.18**	**6.5**
99-09-2	3-Nitroaniline	0.18	U	**86-73-7**	**Fluorene**	**0.18**	**1.2**
534-52-1	4,6-Dinitro-2-methylphenol	0.92	U	118-74-1	Hexachlorobenzene	0.18	U
101-55-3	4-Bromophenyl-phenylether	0.18	U	87-68-3	Hexachlorobutadiene	0.18	U
59-50-7	4-Chloro-3-methylphenol	0.18	U	77-47-4	Hexachlorocyclopentadiene	0.92	U
106-47-8	4-Chloroaniline	0.18	U	67-72-1	Hexachloroethane	0.18	U
7005-72-3	4-Chlorophenyl-phenylether	0.18	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.18**	**1.5**
100-01-6	4-Nitroaniline	0.18	U	78-59-1	Isophorone	0.18	U
100-02-7	4-Nitrophenol	0.18	U	**91-20-3**	**Naphthalene**	**0.18**	**0.60**
83-32-9	**Acenaphthene**	**0.18**	**0.62**	98-95-3	Nitrobenzene	0.18	U
208-96-8	Acenaphthylene	0.18	U	621-64-7	N-Nitroso-di-n-propylamine	0.18	U
98-86-2	Acetophenone	0.18	U	86-30-6	n-Nitrosodiphenylamine	0.18	U
120-12-7	**Anthracene**	**0.18**	**1.9**	87-86-5	Pentachlorophenol	0.92	U
1912-24-9	Atrazine	0.18	U	**85-01-8**	**Phenanthrene**	**0.18**	**5.9**
100-52-7	Benzaldehyde	0.18	U	108-95-2	Phenol	0.18	U
56-55-3	**Benzo[a]anthracene**	**0.18**	**2.9**	**129-00-0**	**Pyrene**	**0.18**	**5.2**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

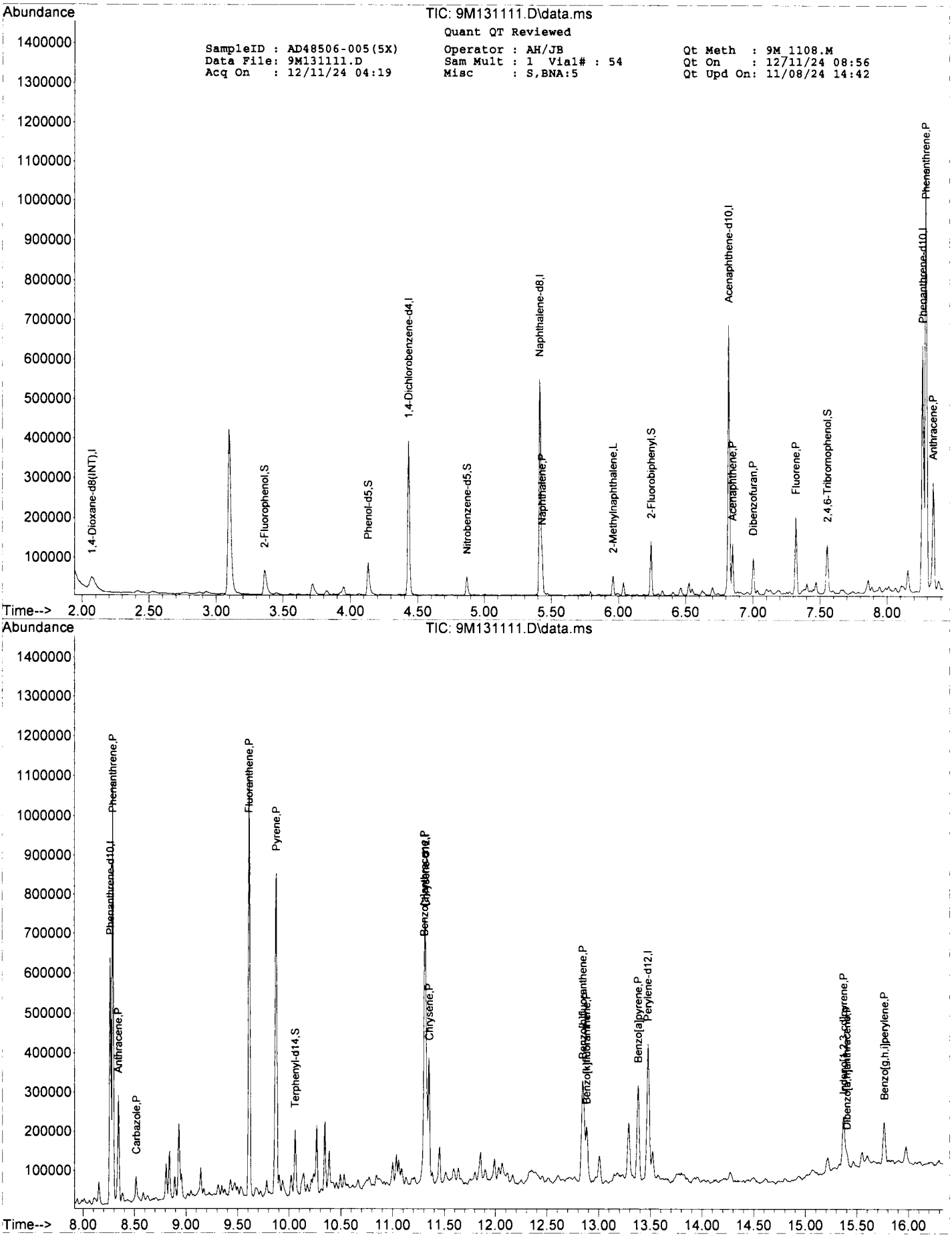
Quantitation Report (QT Reviewed)

SampleID : AD48506-005(5X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131111.D Sam Mult : 1 Vial# : 54 Qt On : 12/11/24 08:56
Acq On : 12/11/24 04:19 Misc : S,BNA:5 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.072	96	38979	40.00	ng	-0.04
21) 1,4-Dichlorobenzene-d4	4.431	152	68644	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	251576	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	142199	40.00	ng	-0.04
76) Phenanthrene-d10	8.266	188	251201	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	214200	40.00	ng	-0.04
102) Perylene-d12	13.477	264	212766	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	31202	14.93	ng	-0.03
Spiked Amount 100.000			Recovery = 14.93%			
16) Phenol-d5	4.131	99	39025	14.22	ng	-0.02
Spiked Amount 100.000			Recovery = 14.22%			
32) Nitrobenzene-d5	4.872	128	8333	8.24	ng	-0.03
Spiked Amount 50.000			Recovery = 16.48%			
55) 2-Fluorobiphenyl	6.242	172	37231	8.37	ng	-0.04
Spiked Amount 50.000			Recovery = 16.74%			
79) 2,4,6-Tribromophenol	7.554	330	13578	21.34	ng	-0.04
Spiked Amount 100.000			Recovery = 21.34%			
93) Terphenyl-d14	10.060	244	44955	9.92	ng	-0.04
Spiked Amount 50.000			Recovery = 19.84%			
Target Compounds						Qvalue
41) Naphthalene	5.431	128	41286	6.5798	ng	96
46) 2-Methylnaphthalene	5.960	142	13324m	3.2020	ng	
64) Acenaphthene	6.848	153	26975m	6.7867	ng	
67) Dibenzofuran	7.001	168	35123m	6.7195	ng	
71) Fluorene	7.319	166	55051	12.6003	ng	99
85) Phenanthrene	8.289	178	397332m	64.1144	ng	
86) Anthracene	8.342	178	129492	20.7850	ng	99
87) Carbazole	8.519	167	28441	5.0184	ng	93
89) Fluoranthene	9.613	202	473572	71.2055	ng	94
91) Pyrene	9.877	202	382607	56.8460	ng	88
99) Benzo[a]anthracene	11.307	228	200943m	31.8947	ng	
100) Chrysene	11.354	228	158999m	26.7330	ng	
104) Benzo[b]fluoranthene	12.848	252	209999m	34.3809	ng	
105) Benzo[k]fluoranthene	12.883	252	76823m	11.8654	ng	
106) Benzo[a]pyrene	13.383	252	156384	27.1964	ng	92
107) Indeno[1,2,3-cd]pyrene	15.371	276	87004m	16.8223	ng	
108) Dibenzo[a,h]anthracene	15.401	278	22013m	4.1894	ng	
109) Benzo[g,h,i]perylene	15.765	276	74857m	14.3474	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131111.D\data.ms
Quant QT Reviewed
SampleID : AD48506-005(5X)
Data File: 9M131111.D
Acq On : 12/11/24 04:19
Operator : AH/JB
Sam Mult : 1 Vial# : 54
Misc : S,BNA:5
Qt Meth : 9M_1108.M
Qt On : 12/11/24 08:56
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
Naphthalene,P
2-Methylnaphthalene,L
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Acenaphthene,P
Dibenzofuran,P
Fluorene,P
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Time-->

Abundance
TIC: 9M131111.D\data.ms
Phenanthrene,P
Phenanthrene-d10,I
Anthracene,P
Carbazole,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene,P
Benzo[k]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Dibenz[a,h]anthracene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-006(3X)
Client Id: SB-02-7.5-8.0'
Data File: 9M131109.D
Analysis Date: 12/11/24 03:36
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 79

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.13	U	**50-32-8**	**Benzo[a]pyrene**	**0.13**	**0.45**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.13	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.13**	**0.58**
123-91-1	1,4-Dioxane	0.13	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.13**	**0.29**
58-90-2	2,3,4,6-Tetrachlorophenol	0.13	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.13**	**0.20**
95-95-4	2,4,5-Trichlorophenol	0.13	U	111-91-1	bis(2-Chloroethoxy)methan	0.13	U
88-06-2	2,4,6-Trichlorophenol	0.13	U	111-44-4	bis(2-Chloroethyl)ether	0.048	U
120-83-2	2,4-Dichlorophenol	0.13	U	108-60-1	bis(2-chloroisopropyl)ether	0.13	U
105-67-9	2,4-Dimethylphenol	0.13	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.13	U
51-28-5	2,4-Dinitrophenol	0.63	U	85-68-7	Butylbenzylphthalate	0.13	U
121-14-2	2,4-Dinitrotoluene	0.13	U	105-60-2	Caprolactam	0.13	U
606-20-2	2,6-Dinitrotoluene	0.13	U	86-74-8	Carbazole	0.13	U
91-58-7	2-Chloronaphthalene	0.13	U	**218-01-9**	**Chrysene**	**0.13**	**0.43**
95-57-8	2-Chlorophenol	0.13	U	53-70-3	Dibenzo[a,h]anthracene	0.13	U
91-57-6	2-Methylnaphthalene	0.13	U	132-64-9	Dibenzofuran	0.13	U
95-48-7	2-Methylphenol	0.13	U	84-66-2	Diethylphthalate	0.13	U
88-74-4	2-Nitroaniline	0.13	U	131-11-3	Dimethylphthalate	0.13	U
88-75-5	2-Nitrophenol	0.13	U	84-74-2	Di-n-butylphthalate	0.63	U
106-44-5	3&4-Methylphenol	0.13	U	117-84-0	Di-n-octylphthalate	0.13	U
91-94-1	3,3'-Dichlorobenzidine	0.13	U	**206-44-0**	**Fluoranthene**	**0.13**	**0.74**
99-09-2	3-Nitroaniline	0.13	U	86-73-7	Fluorene	0.13	U
534-52-1	4,6-Dinitro-2-methylphenol	0.63	U	118-74-1	Hexachlorobenzene	0.13	U
101-55-3	4-Bromophenyl-phenylether	0.13	U	87-68-3	Hexachlorobutadiene	0.13	U
59-50-7	4-Chloro-3-methylphenol	0.13	U	77-47-4	Hexachlorocyclopentadiene	0.63	U
106-47-8	4-Chloroaniline	0.13	U	67-72-1	Hexachloroethane	0.13	U
7005-72-3	4-Chlorophenyl-phenylether	0.13	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.13**	**0.31**
100-01-6	4-Nitroaniline	0.13	U	78-59-1	Isophorone	0.13	U
100-02-7	4-Nitrophenol	0.13	U	91-20-3	Naphthalene	0.13	U
83-32-9	Acenaphthene	0.13	U	98-95-3	Nitrobenzene	0.13	U
208-96-8	Acenaphthylene	0.13	U	621-64-7	N-Nitroso-di-n-propylamine	0.13	U
98-86-2	Acetophenone	0.13	U	86-30-6	n-Nitrosodiphenylamine	0.13	U
120-12-7	Anthracene	0.13	U	87-86-5	Pentachlorophenol	0.63	U
1912-24-9	Atrazine	0.13	U	**85-01-8**	**Phenanthrene**	**0.13**	**0.30**
100-52-7	Benzaldehyde	0.13	U	108-95-2	Phenol	0.13	U
56-55-3	**Benzo[a]anthracene**	**0.13**	**0.44**	**129-00-0**	**Pyrene**	**0.13**	**0.72**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

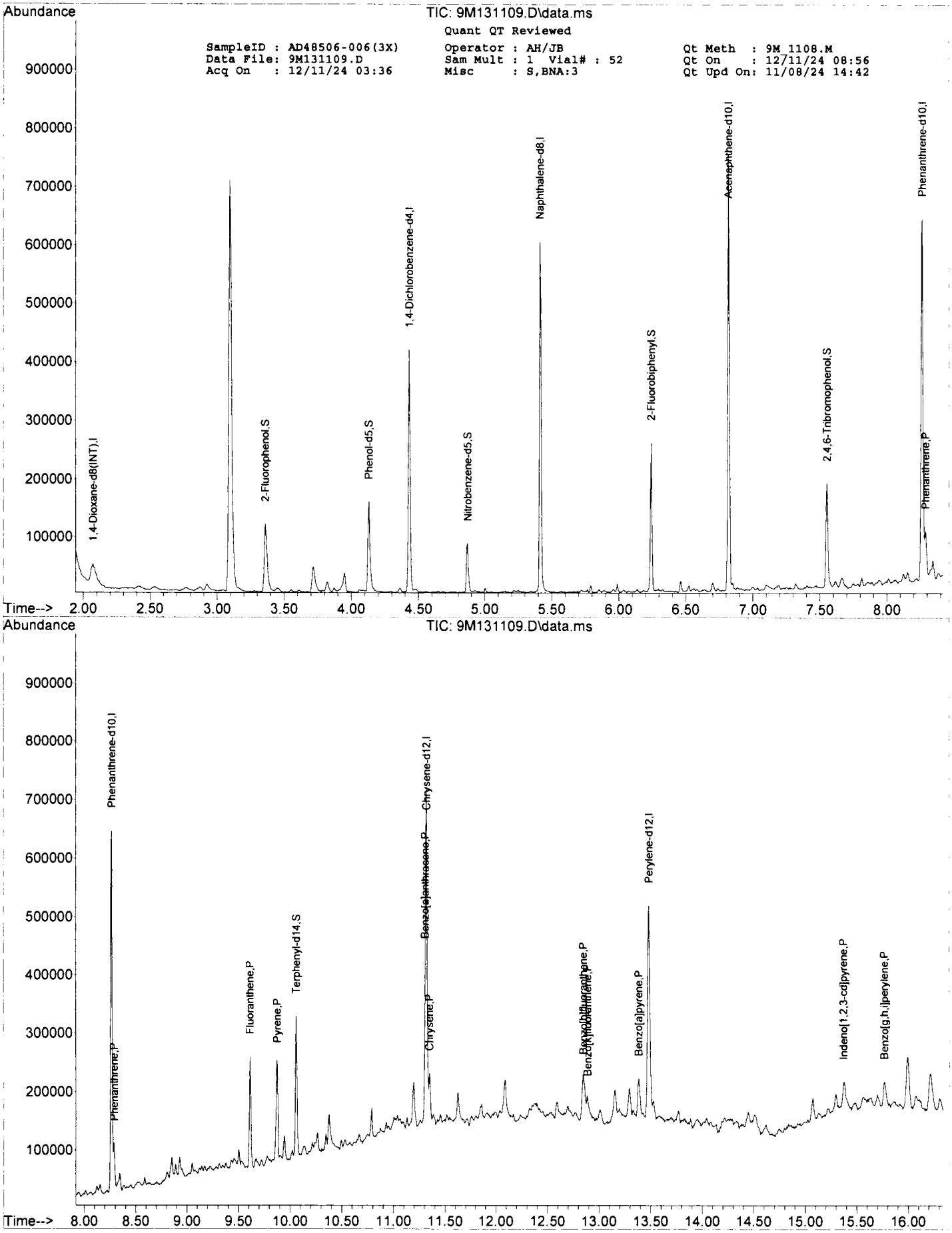
Quantitation Report (QT Reviewed)

SampleID : AD48506-006(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131109.D Sam Mult : 1 Vial# : 52 Qt On : 12/11/24 08:56
Acq On : 12/11/24 03:36 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.072	96	38969	40.00	ng	-0.04
21) 1,4-Dichlorobenzene-d4	4.431	152	70542	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	265960	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	151646	40.00	ng	-0.04
76) Phenanthrene-d10	8.266	188	264464	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	221425	40.00	ng	-0.04
102) Perylene-d12	13.483	264	222814	40.00	ng	-0.05
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	54780	26.23	ng	-0.03
Spiked Amount 100.000			Recovery = 26.23%			
16) Phenol-d5	4.131	99	70078	25.54	ng	-0.02
Spiked Amount 100.000			Recovery = 25.54%			
32) Nitrobenzene-d5	4.872	128	16406	15.35	ng	-0.03
Spiked Amount 50.000			Recovery = 30.70%			
55) 2-Fluorobiphenyl	6.242	172	71042	14.98	ng	-0.04
Spiked Amount 50.000			Recovery = 29.96%			
79) 2,4,6-Tribromophenol	7.554	330	24938	37.24	ng	-0.04
Spiked Amount 100.000			Recovery = 37.24%			
93) Terphenyl-d14	10.060	244	82607	17.63	ng	-0.04
Spiked Amount 50.000			Recovery = 35.26%			
Target Compounds						Qvalue
85) Phenanthrene	8.289	178	31318m	4.8001	ng	
89) Fluoranthene	9.613	202	81768	11.6779	ng	94
91) Pyrene	9.878	202	78780	11.3228	ng	87
99) Benzo[a]anthracene	11.307	228	45432m	6.9759	ng	
100) Chrysene	11.348	228	41942m	6.8217	ng	
104) Benzo[b]fluoranthene	12.848	252	58975m	9.2199	ng	
105) Benzo[k]fluoranthene	12.889	252	21732m	3.2052	ng	
106) Benzo[a]pyrene	13.383	252	43214m	7.1764	ng	
107) Indeno[1,2,3-cd]pyrene	15.371	276	26942m	4.9744	ng	
109) Benzo[g,h,i]perylene	15.765	276	25181m	4.6086	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131109.D\data.ms
Quant QT Reviewed
SampleID : AD48506-006(3X)
Data File: 9M131109.D
Acq On : 12/11/24 03:36
Operator : AH/JB
Sam Mult : 1 Vial# : 52
Misc : S,BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/11/24 08:56
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->

Abundance
TIC: 9M131109.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Perylene-d12,I
Benzo[a]pyrene,P
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-007
Client Id: SB-03-7.5-8.0'
Data File: 9M131098.D
Analysis Date: 12/10/24 23:36
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 62

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.054	U	50-32-8	Benzo[a]pyrene	0.054	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.054	U	205-99-2	Benzo[b]fluoranthene	0.054	U
123-91-1	1,4-Dioxane	0.054	U	191-24-2	Benzo[g,h,i]perylene	0.054	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.054	U	207-08-9	Benzo[k]fluoranthene	0.054	U
95-95-4	2,4,5-Trichlorophenol	0.054	U	111-91-1	bis(2-Chloroethoxy)methan	0.054	U
88-06-2	2,4,6-Trichlorophenol	0.054	U	111-44-4	bis(2-Chloroethyl)ether	0.020	U
120-83-2	2,4-Dichlorophenol	0.054	U	108-60-1	bis(2-chloroisopropyl)ether	0.054	U
105-67-9	2,4-Dimethylphenol	0.054	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.054	U
51-28-5	2,4-Dinitrophenol	0.27	U	85-68-7	Butylbenzylphthalate	0.054	U
121-14-2	2,4-Dinitrotoluene	0.054	U	105-60-2	Caprolactam	0.054	U
606-20-2	2,6-Dinitrotoluene	0.054	U	86-74-8	Carbazole	0.054	U
91-58-7	2-Chloronaphthalene	0.054	U	218-01-9	Chrysene	0.054	U
95-57-8	2-Chlorophenol	0.054	U	53-70-3	Dibenzo[a,h]anthracene	0.054	U
91-57-6	2-Methylnaphthalene	0.054	U	132-64-9	Dibenzofuran	0.054	U
95-48-7	2-Methylphenol	0.054	U	84-66-2	Diethylphthalate	0.054	U
88-74-4	2-Nitroaniline	0.054	U	131-11-3	Dimethylphthalate	0.054	U
88-75-5	2-Nitrophenol	0.054	U	84-74-2	Di-n-butylphthalate	0.27	U
106-44-5	3&4-Methylphenol	0.054	U	117-84-0	Di-n-octylphthalate	0.054	U
91-94-1	3,3'-Dichlorobenzidine	0.054	U	206-44-0	Fluoranthene	0.054	U
99-09-2	3-Nitroaniline	0.054	U	86-73-7	Fluorene	0.054	U
534-52-1	4,6-Dinitro-2-methylphenol	0.27	U	118-74-1	Hexachlorobenzene	0.054	U
101-55-3	4-Bromophenyl-phenylether	0.054	U	87-68-3	Hexachlorobutadiene	0.054	U
59-50-7	4-Chloro-3-methylphenol	0.054	U	77-47-4	Hexachlorocyclopentadiene	0.27	U
106-47-8	4-Chloroaniline	0.054	U	67-72-1	Hexachloroethane	0.054	U
7005-72-3	4-Chlorophenyl-phenylether	0.054	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.054	U
100-01-6	4-Nitroaniline	0.054	U	78-59-1	Isophorone	0.054	U
100-02-7	4-Nitrophenol	0.054	U	91-20-3	Naphthalene	0.054	U
83-32-9	Acenaphthene	0.054	U	98-95-3	Nitrobenzene	0.054	U
208-96-8	Acenaphthylene	0.054	U	621-64-7	N-Nitroso-di-n-propylamine	0.054	U
98-86-2	Acetophenone	0.054	U	86-30-6	n-Nitrosodiphenylamine	0.054	U
120-12-7	Anthracene	0.054	U	87-86-5	Pentachlorophenol	0.27	U
1912-24-9	Atrazine	0.054	U	85-01-8	Phenanthrene	0.054	U
100-52-7	Benzaldehyde	0.054	U	108-95-2	Phenol	0.054	U
56-55-3	Benzo[a]anthracene	0.054	U	129-00-0	Pyrene	0.054	U

Worksheet #: 764930

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

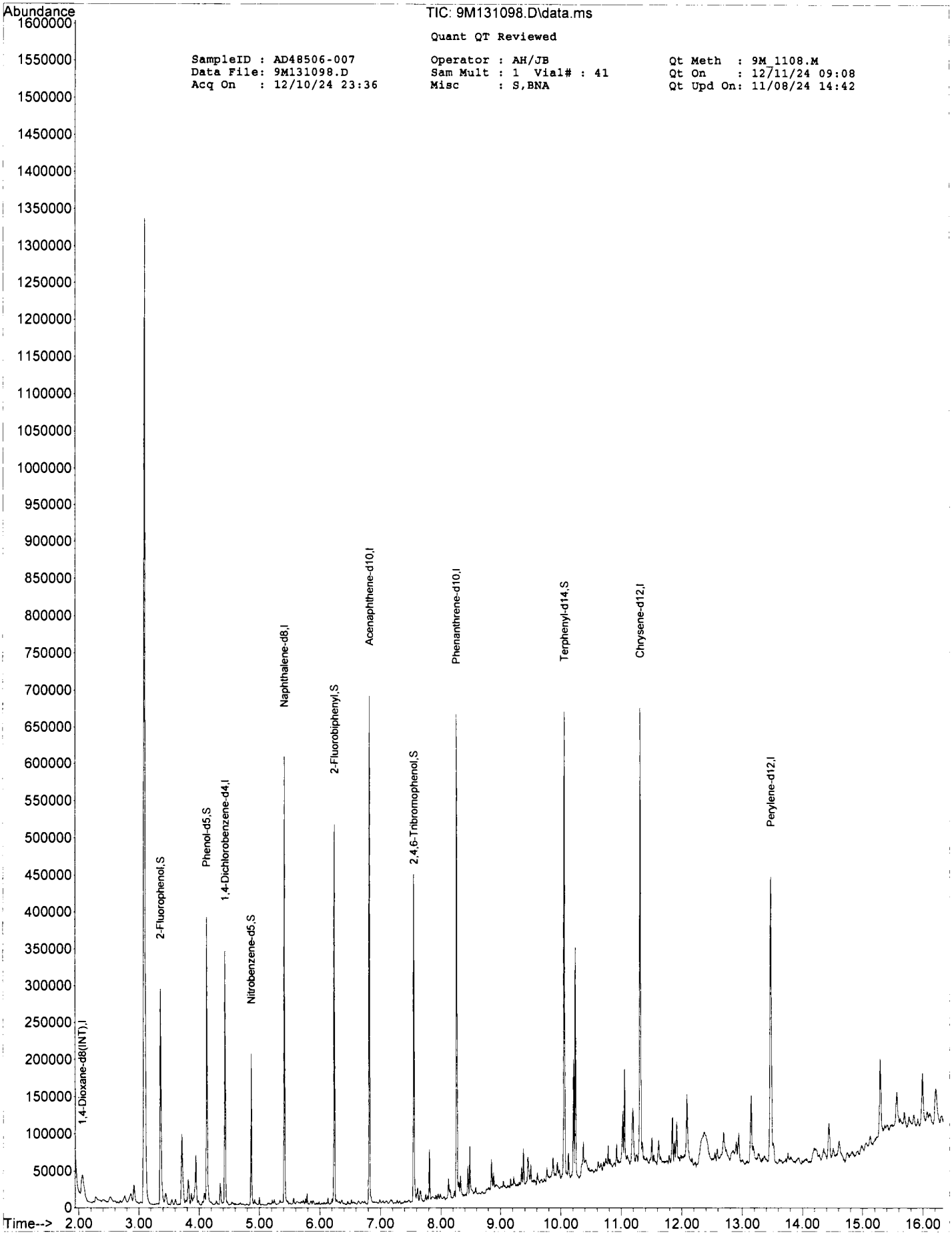
Quantitation Report (QT Reviewed)

SampleID : AD48506-007 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131098.D Sam Mult : 1 Vial# : 41 Qt On : 12/11/24 09:08
Acq On : 12/10/24 23:36 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	39597	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	65893	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	248960	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	142305	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	258312	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	231327	40.00	ng	-0.05
102) Perylene-d12	13.477	264	228592	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	124022	58.43	ng	-0.03
Spiked Amount 100.000			Recovery = 58.43%			
16) Phenol-d5	4.125	99	158911	57.00	ng	-0.03
Spiked Amount 100.000			Recovery = 57.00%			
32) Nitrobenzene-d5	4.866	128	33139	33.11	ng	-0.04
Spiked Amount 50.000			Recovery = 66.22%			
55) 2-Fluorobiphenyl	6.243	172	163469	36.73	ng	-0.04
Spiked Amount 50.000			Recovery = 73.46%			
79) 2,4,6-Tribromophenol	7.554	330	68099	104.10	ng	-0.04
Spiked Amount 100.000			Recovery = 104.10%			
93) Terphenyl-d14	10.060	244	221426	45.24	ng	-0.04
Spiked Amount 50.000			Recovery = 90.48%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131098.D\data.ms
Quant QT Reviewed
SampleID : AD48506-007
Data File: 9M131098.D
Acq On : 12/10/24 23:36
Operator : AH/JB
Sam Mult : 1 Vial# : 41
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/11/24 09:08
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-008
Client Id: SB-04-7.5-8.0
Data File: 9M131099.D
Analysis Date: 12/10/24 23:58
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 57

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.058	U	**50-32-8**	**Benzo[a]pyrene**	**0.058**	**0.12**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.058	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.058**	**0.16**
123-91-1	1,4-Dioxane	0.058	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.058**	**0.076**
58-90-2	2,3,4,6-Tetrachlorophenol	0.058	U	207-08-9	Benzo[k]fluoranthene	0.058	U
95-95-4	2,4,5-Trichlorophenol	0.058	U	111-91-1	bis(2-Chloroethoxy)methan	0.058	U
88-06-2	2,4,6-Trichlorophenol	0.058	U	111-44-4	bis(2-Chloroethyl)ether	0.022	U
120-83-2	2,4-Dichlorophenol	0.058	U	108-60-1	bis(2-chloroisopropyl)ether	0.058	U
105-67-9	2,4-Dimethylphenol	0.058	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.058	U
51-28-5	2,4-Dinitrophenol	0.29	U	85-68-7	Butylbenzylphthalate	0.058	U
121-14-2	2,4-Dinitrotoluene	0.058	U	105-60-2	Caprolactam	0.058	U
606-20-2	2,6-Dinitrotoluene	0.058	U	86-74-8	Carbazole	0.058	U
91-58-7	2-Chloronaphthalene	0.058	U	**218-01-9**	**Chrysene**	**0.058**	**0.14**
95-57-8	2-Chlorophenol	0.058	U	53-70-3	Dibenzo[a,h]anthracene	0.058	U
91-57-6	2-Methylnaphthalene	0.058	U	132-64-9	Dibenzofuran	0.058	U
95-48-7	2-Methylphenol	0.058	U	84-66-2	Diethylphthalate	0.058	U
88-74-4	2-Nitroaniline	0.058	U	131-11-3	Dimethylphthalate	0.058	U
88-75-5	2-Nitrophenol	0.058	U	84-74-2	Di-n-butylphthalate	0.29	U
106-44-5	3&4-Methylphenol	0.058	U	117-84-0	Di-n-octylphthalate	0.058	U
91-94-1	3,3'-Dichlorobenzidine	0.058	U	**206-44-0**	**Fluoranthene**	**0.058**	**0.30**
99-09-2	3-Nitroaniline	0.058	U	86-73-7	Fluorene	0.058	U
534-52-1	4,6-Dinitro-2-methylphenol	0.29	U	118-74-1	Hexachlorobenzene	0.058	U
101-55-3	4-Bromophenyl-phenylether	0.058	U	87-68-3	Hexachlorobutadiene	0.058	U
59-50-7	4-Chloro-3-methylphenol	0.058	U	77-47-4	Hexachlorocyclopentadiene	0.29	U
106-47-8	4-Chloroaniline	0.058	U	67-72-1	Hexachloroethane	0.058	U
7005-72-3	4-Chlorophenyl-phenylether	0.058	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.058**	**0.082**
100-01-6	4-Nitroaniline	0.058	U	78-59-1	Isophorone	0.058	U
100-02-7	4-Nitrophenol	0.058	U	91-20-3	Naphthalene	0.058	U
83-32-9	Acenaphthene	0.058	U	98-95-3	Nitrobenzene	0.058	U
208-96-8	Acenaphthylene	0.058	U	621-64-7	N-Nitroso-di-n-propylamine	0.058	U
98-86-2	Acetophenone	0.058	U	86-30-6	n-Nitrosodiphenylamine	0.058	U
120-12-7	Anthracene	0.058	U	87-86-5	Pentachlorophenol	0.29	U
1912-24-9	Atrazine	0.058	U	**85-01-8**	**Phenanthrene**	**0.058**	**0.19**
100-52-7	Benzaldehyde	0.058	U	108-95-2	Phenol	0.058	U
56-55-3	**Benzo[a]anthracene**	**0.058**	**0.14**	**129-00-0**	**Pyrene**	**0.058**	**0.26**

Worksheet #: 764930 *Total Target Concentration* 1.5 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

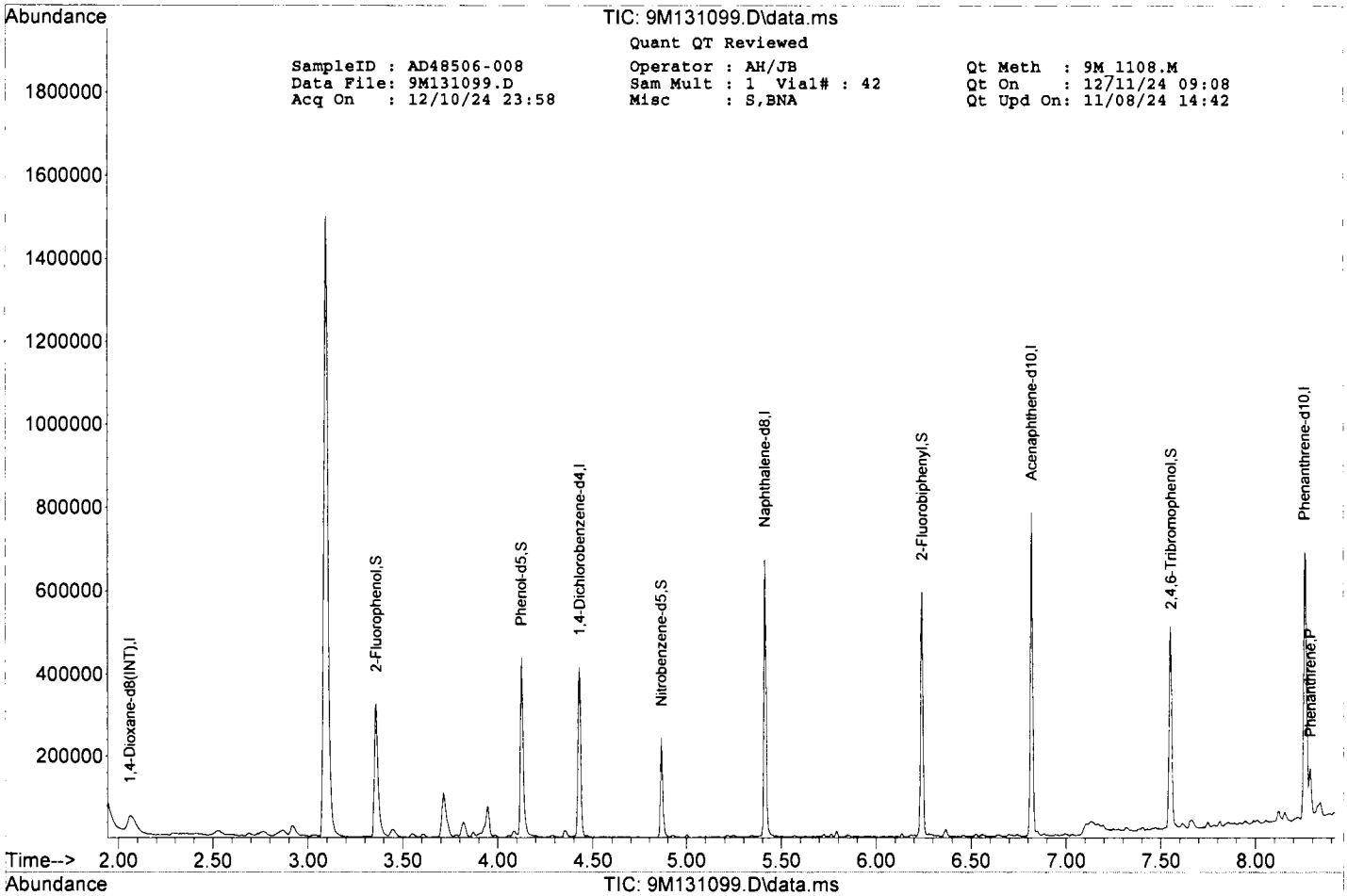
Quantitation Report (QT Reviewed)

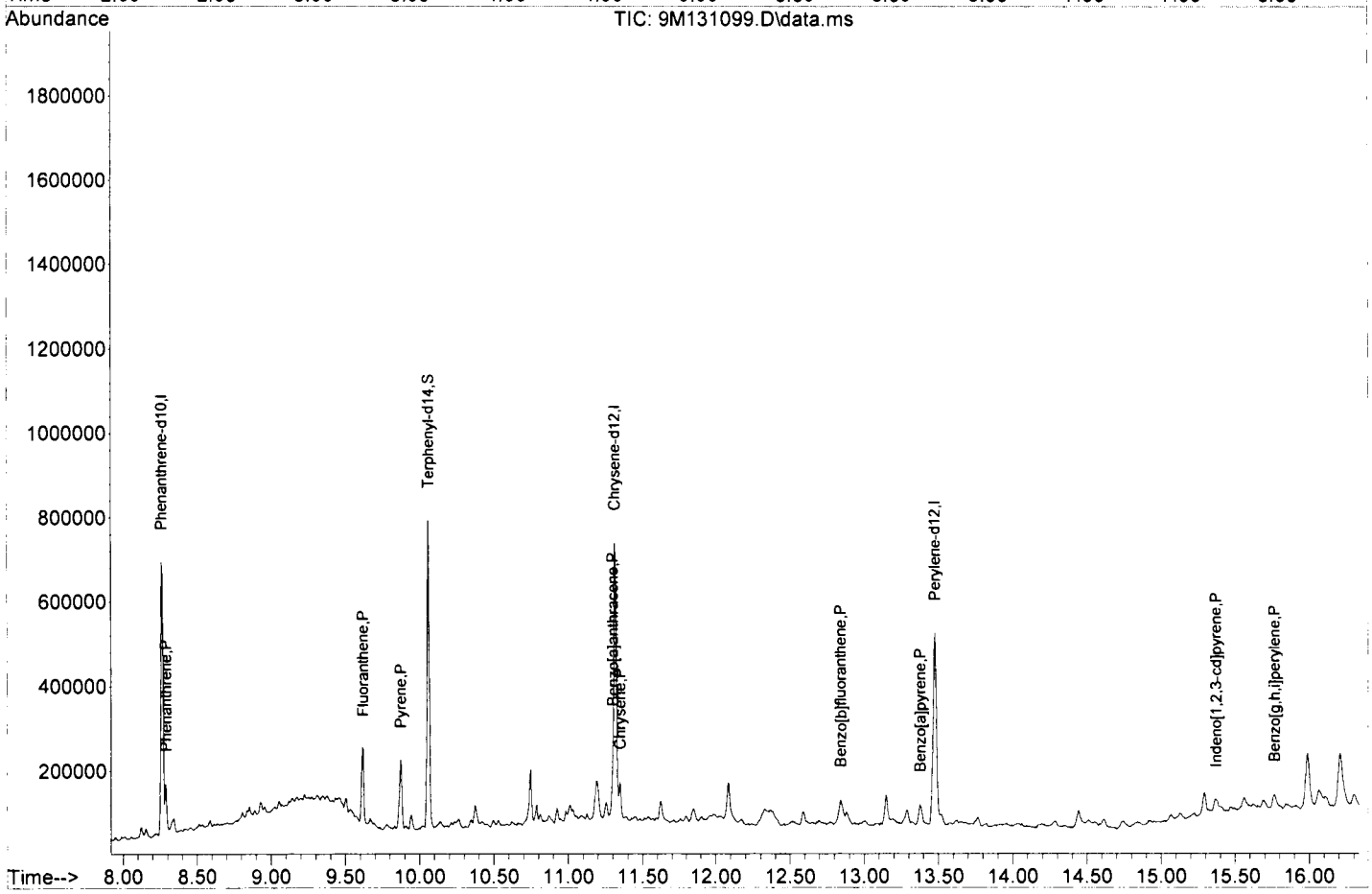
SampleID : AD48506-008 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131099.D Sam Mult : 1 Vial# : 42 Qt On : 12/11/24 09:08
Acq On : 12/10/24 23:58 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	45118	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	75870	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	284016	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	161847	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	285325	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	266798	40.00	ng	-0.05
102) Perylene-d12	13.477	264	262979	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	139257	57.58	ng	-0.03
Spiked Amount 100.000			Recovery = 57.58%			
16) Phenol-d5	4.125	99	180670	56.88	ng	-0.03
Spiked Amount 100.000			Recovery = 56.88%			
32) Nitrobenzene-d5	4.866	128	38468	33.69	ng	-0.04
Spiked Amount 50.000			Recovery = 67.38%			
55) 2-Fluorobiphenyl	6.242	172	183688	36.29	ng	-0.04
Spiked Amount 50.000			Recovery = 72.58%			
79) 2,4,6-Tribromophenol	7.554	330	76236	105.51	ng	-0.04
Spiked Amount 100.000			Recovery = 105.51%			
93) Terphenyl-d14	10.060	244	248240	43.98	ng	-0.04
Spiked Amount 50.000			Recovery = 87.96%			
Target Compounds						Qvalue
85) Phenanthrene	8.289	178	46089m	6.5476	ng	
89) Fluoranthene	9.619	202	77458	10.2536	ng	88
91) Pyrene	9.872	202	74823	8.9252	ng	91
99) Benzo[a]anthracene	11.301	228	38471m	4.9025	ng	
100) Chrysene	11.348	228	35497m	4.7916	ng	
104) Benzo[b]fluoranthene	12.842	252	41459m	5.4916	ng	
106) Benzo[a]pyrene	13.377	252	28341m	3.9876	ng	
107) Indeno[1,2,3-cd]pyrene	15.371	276	17863m	2.7944	ng	
109) Benzo[g,h,i]perylene	15.765	276	16673m	2.5854	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131099.D\data.ms
Quant QT Reviewed
SampleID : AD48506-008
Data File: 9M131099.D
Acq On : 12/10/24 23:58
Operator : AH/JB
Sam Mult : 1 Vial# : 42
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/11/24 09:08
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M131099.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[b]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-009
Client Id: SB-06-7.5-8.0'
Data File: 9M131100.D
Analysis Date: 12/11/24 00:20
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 67

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.050	U	**50-32-8**	**Benzo[a]pyrene**	**0.050**	**0.43**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.050	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.050**	**0.57**
123-91-1	1,4-Dioxane	0.050	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.050**	**0.30**
58-90-2	2,3,4,6-Tetrachlorophenol	0.050	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.050**	**0.16**
95-95-4	2,4,5-Trichlorophenol	0.050	U	111-91-1	bis(2-Chloroethoxy)methan	0.050	U
88-06-2	2,4,6-Trichlorophenol	0.050	U	111-44-4	bis(2-Chloroethyl)ether	0.019	U
120-83-2	2,4-Dichlorophenol	0.050	U	108-60-1	bis(2-chloroisopropyl)ether	0.050	U
105-67-9	2,4-Dimethylphenol	0.050	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.050	U
51-28-5	2,4-Dinitrophenol	0.25	U	85-68-7	Butylbenzylphthalate	0.050	U
121-14-2	2,4-Dinitrotoluene	0.050	U	105-60-2	Caprolactam	0.050	U
606-20-2	2,6-Dinitrotoluene	0.050	U	86-74-8	Carbazole	0.050	U
91-58-7	2-Chloronaphthalene	0.050	U	**218-01-9**	**Chrysene**	**0.050**	**0.42**
95-57-8	2-Chlorophenol	0.050	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.050**	**0.075**
91-57-6	2-Methylnaphthalene	0.050	U	132-64-9	Dibenzofuran	0.050	U
95-48-7	2-Methylphenol	0.050	U	84-66-2	Diethylphthalate	0.050	U
88-74-4	2-Nitroaniline	0.050	U	131-11-3	Dimethylphthalate	0.050	U
88-75-5	2-Nitrophenol	0.050	U	84-74-2	Di-n-butylphthalate	0.25	U
106-44-5	3&4-Methylphenol	0.050	U	117-84-0	Di-n-octylphthalate	0.050	U
91-94-1	3,3'-Dichlorobenzidine	0.050	U	**206-44-0**	**Fluoranthene**	**0.050**	**0.87**
99-09-2	3-Nitroaniline	0.050	U	**86-73-7**	**Fluorene**	**0.050**	**0.079**
534-52-1	4,6-Dinitro-2-methylphenol	0.25	U	118-74-1	Hexachlorobenzene	0.050	U
101-55-3	4-Bromophenyl-phenylether	0.050	U	87-68-3	Hexachlorobutadiene	0.050	U
59-50-7	4-Chloro-3-methylphenol	0.050	U	77-47-4	Hexachlorocyclopentadiene	0.25	U
106-47-8	4-Chloroaniline	0.050	U	67-72-1	Hexachloroethane	0.050	U
7005-72-3	4-Chlorophenyl-phenylether	0.050	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.050**	**0.31**
100-01-6	4-Nitroaniline	0.050	U	78-59-1	Isophorone	0.050	U
100-02-7	4-Nitrophenol	0.050	U	91-20-3	Naphthalene	0.050	U
83-32-9	Acenaphthene	0.050	U	98-95-3	Nitrobenzene	0.050	U
208-96-8	Acenaphthylene	0.050	U	621-64-7	N-Nitroso-di-n-propylamine	0.050	U
98-86-2	Acetophenone	0.050	U	86-30-6	n-Nitrosodiphenylamine	0.050	U
120-12-7	**Anthracene**	**0.050**	**0.17**	87-86-5	Pentachlorophenol	0.25	U
1912-24-9	Atrazine	0.050	U	**85-01-8**	**Phenanthrene**	**0.050**	**0.71**
100-52-7	Benzaldehyde	0.050	U	108-95-2	Phenol	0.050	U
56-55-3	**Benzo[a]anthracene**	**0.050**	**0.42**	**129-00-0**	**Pyrene**	**0.050**	**0.77**

Worksheet #: 764930

Total Target Concentration 5.3

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

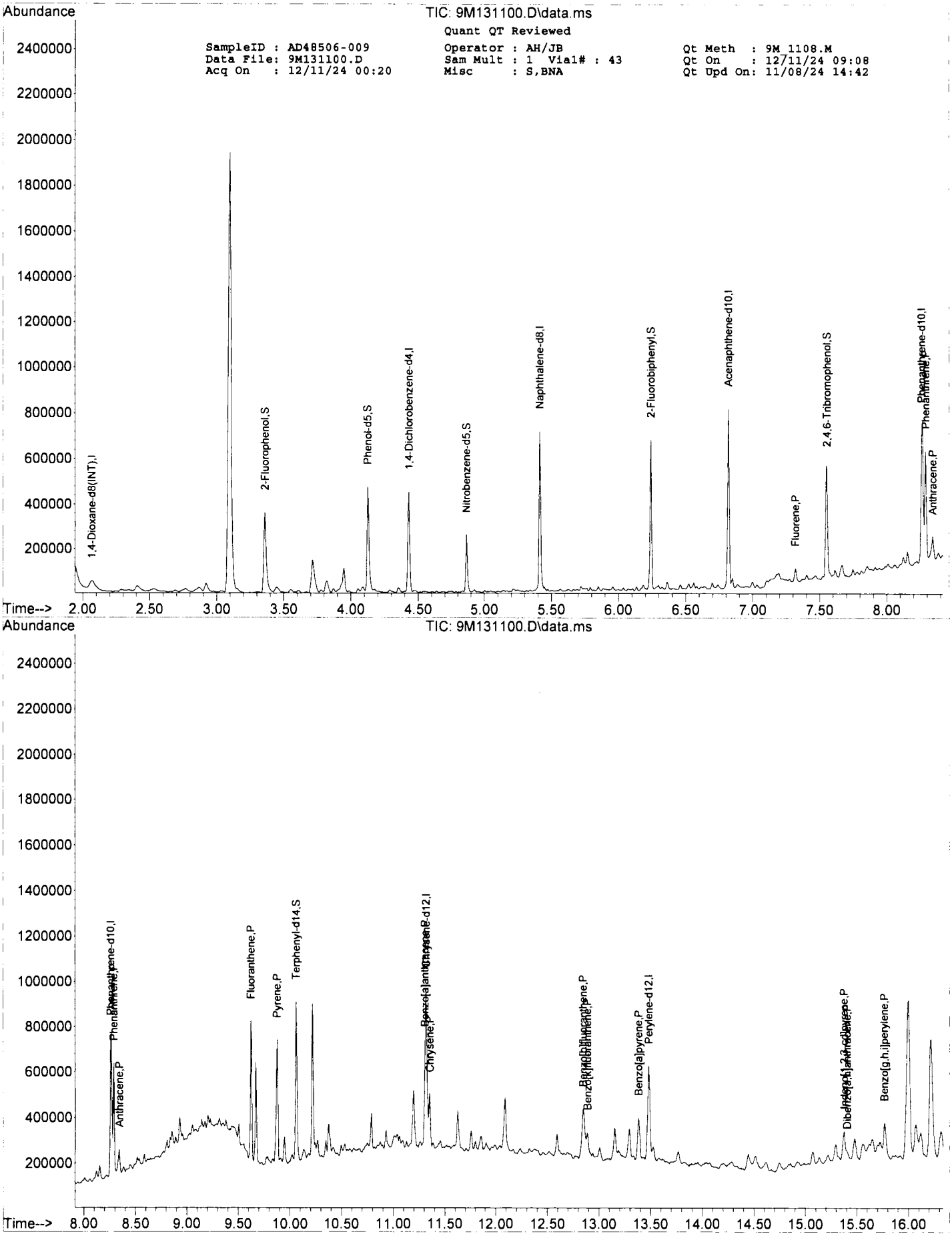
Quantitation Report (QT Reviewed)

SampleID : AD48506-009 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131100.D Sam Mult : 1 Vial# : 43 Qt On : 12/11/24 09:08
Acq On : 12/11/24 00:20 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	47069	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	78336	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	294304	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	167346	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	280006	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	250066	40.00	ng	-0.04
102) Perylene-d12	13.483	264	256402	40.00	ng	-0.05
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	148437	58.83	ng	-0.03
Spiked Amount 100.000			Recovery = 58.83%			
16) Phenol-d5	4.125	99	191681	57.84	ng	-0.03
Spiked Amount 100.000			Recovery = 57.84%			
32) Nitrobenzene-d5	4.866	128	40754	34.45	ng	-0.04
Spiked Amount 50.000			Recovery = 68.90%			
55) 2-Fluorobiphenyl	6.243	172	200954	38.40	ng	-0.04
Spiked Amount 50.000			Recovery = 76.80%			
79) 2,4,6-Tribromophenol	7.554	330	79053	111.49	ng	-0.04
Spiked Amount 100.000			Recovery = 111.49%			
93) Terphenyl-d14	10.060	244	241165	45.58	ng	-0.04
Spiked Amount 50.000			Recovery = 91.16%			
Target Compounds						Qvalue
71) Fluorene	7.319	166	16348m	3.1795	ng	
85) Phenanthrene	8.290	178	196733m	28.4796	ng	
86) Anthracene	8.342	178	46544m	6.7023	ng	
89) Fluoranthene	9.625	202	260463	35.1340	ng	93
91) Pyrene	9.878	202	244472	31.1129	ng	89
99) Benzo[a]anthracene	11.307	228	123195m	16.7496	ng	
100) Chrysene	11.354	228	117140m	16.8703	ng	
104) Benzo[b]fluoranthene	12.848	252	169773m	23.0648	ng	
105) Benzo[k]fluoranthene	12.889	252	50001m	6.4084	ng	
106) Benzo[a]pyrene	13.383	252	119812m	17.2902	ng	
107) Indeno[1,2,3-cd]pyrene	15.377	276	77661m	12.4604	ng	
108) Dibenzo[a,h]anthracene	15.407	278	19001m	3.0008	ng	
109) Benzo[g,h,i]perylene	15.766	276	76220m	12.1225	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131100.D\data.ms
Quant QT Reviewed
SampleID : AD48506-009
Data File: 9M131100.D
Acq On : 12/11/24 00:20
Operator : AH/JB
Sam Mult : 1 Vial# : 43
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/11/24 09:08
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Fluorene,P
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Anthracene,P
Time-->

Abundance
TIC: 9M131100.D\data.ms
Phenanthrene-d10,I
Anthracene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Benzo[a]pyrene,P
Perylene-d12,I
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-010
Client Id: SB-23-9.5-10.0'
Data File: 9M131101.D
Analysis Date: 12/11/24 00:41
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 74

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.045	U	50-32-8	Benzo[a]pyrene	0.045	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.045	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.045**	**0.070**
123-91-1	1,4-Dioxane	0.045	U	191-24-2	Benzo[g,h,i]perylene	0.045	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.045	U	207-08-9	Benzo[k]fluoranthene	0.045	U
95-95-4	2,4,5-Trichlorophenol	0.045	U	111-91-1	bis(2-Chloroethoxy)methan	0.045	U
88-06-2	2,4,6-Trichlorophenol	0.045	U	111-44-4	bis(2-Chloroethyl)ether	0.017	U
120-83-2	2,4-Dichlorophenol	0.045	U	108-60-1	bis(2-chloroisopropyl)ether	0.045	U
105-67-9	2,4-Dimethylphenol	0.045	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.045	U
51-28-5	2,4-Dinitrophenol	0.23	U	85-68-7	Butylbenzylphthalate	0.045	U
121-14-2	2,4-Dinitrotoluene	0.045	U	105-60-2	Caprolactam	0.045	U
606-20-2	2,6-Dinitrotoluene	0.045	U	86-74-8	Carbazole	0.045	U
91-58-7	2-Chloronaphthalene	0.045	U	**218-01-9**	**Chrysene**	**0.045**	**0.061**
95-57-8	2-Chlorophenol	0.045	U	53-70-3	Dibenzo[a,h]anthracene	0.045	U
91-57-6	2-Methylnaphthalene	0.045	U	132-64-9	Dibenzofuran	0.045	U
95-48-7	2-Methylphenol	0.045	U	84-66-2	Diethylphthalate	0.045	U
88-74-4	2-Nitroaniline	0.045	U	131-11-3	Dimethylphthalate	0.045	U
88-75-5	2-Nitrophenol	0.045	U	84-74-2	Di-n-butylphthalate	0.23	U
106-44-5	3&4-Methylphenol	0.045	U	117-84-0	Di-n-octylphthalate	0.045	U
91-94-1	3,3'-Dichlorobenzidine	0.045	U	**206-44-0**	**Fluoranthene**	**0.045**	**0.10**
99-09-2	3-Nitroaniline	0.045	U	86-73-7	Fluorene	0.045	U
534-52-1	4,6-Dinitro-2-methylphenol	0.23	U	118-74-1	Hexachlorobenzene	0.045	U
101-55-3	4-Bromophenyl-phenylether	0.045	U	87-68-3	Hexachlorobutadiene	0.045	U
59-50-7	4-Chloro-3-methylphenol	0.045	U	77-47-4	Hexachlorocyclopentadiene	0.23	U
106-47-8	4-Chloroaniline	0.045	U	67-72-1	Hexachloroethane	0.045	U
7005-72-3	4-Chlorophenyl-phenylether	0.045	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.045	U
100-01-6	4-Nitroaniline	0.045	U	78-59-1	Isophorone	0.045	U
100-02-7	4-Nitrophenol	0.045	U	91-20-3	Naphthalene	0.045	U
83-32-9	Acenaphthene	0.045	U	98-95-3	Nitrobenzene	0.045	U
208-96-8	Acenaphthylene	0.045	U	621-64-7	N-Nitroso-di-n-propylamine	0.045	U
98-86-2	Acetophenone	0.045	U	86-30-6	n-Nitrosodiphenylamine	0.045	U
120-12-7	Anthracene	0.045	U	87-86-5	Pentachlorophenol	0.23	U
1912-24-9	Atrazine	0.045	U	85-01-8	Phenanthrene	0.045	U
100-52-7	Benzaldehyde	0.045	U	108-95-2	Phenol	0.045	U
56-55-3	**Benzo[a]anthracene**	**0.045**	**0.050**	**129-00-0**	**Pyrene**	**0.045**	**0.10**

Worksheet #: 764930

Total Target Concentration 0.38

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

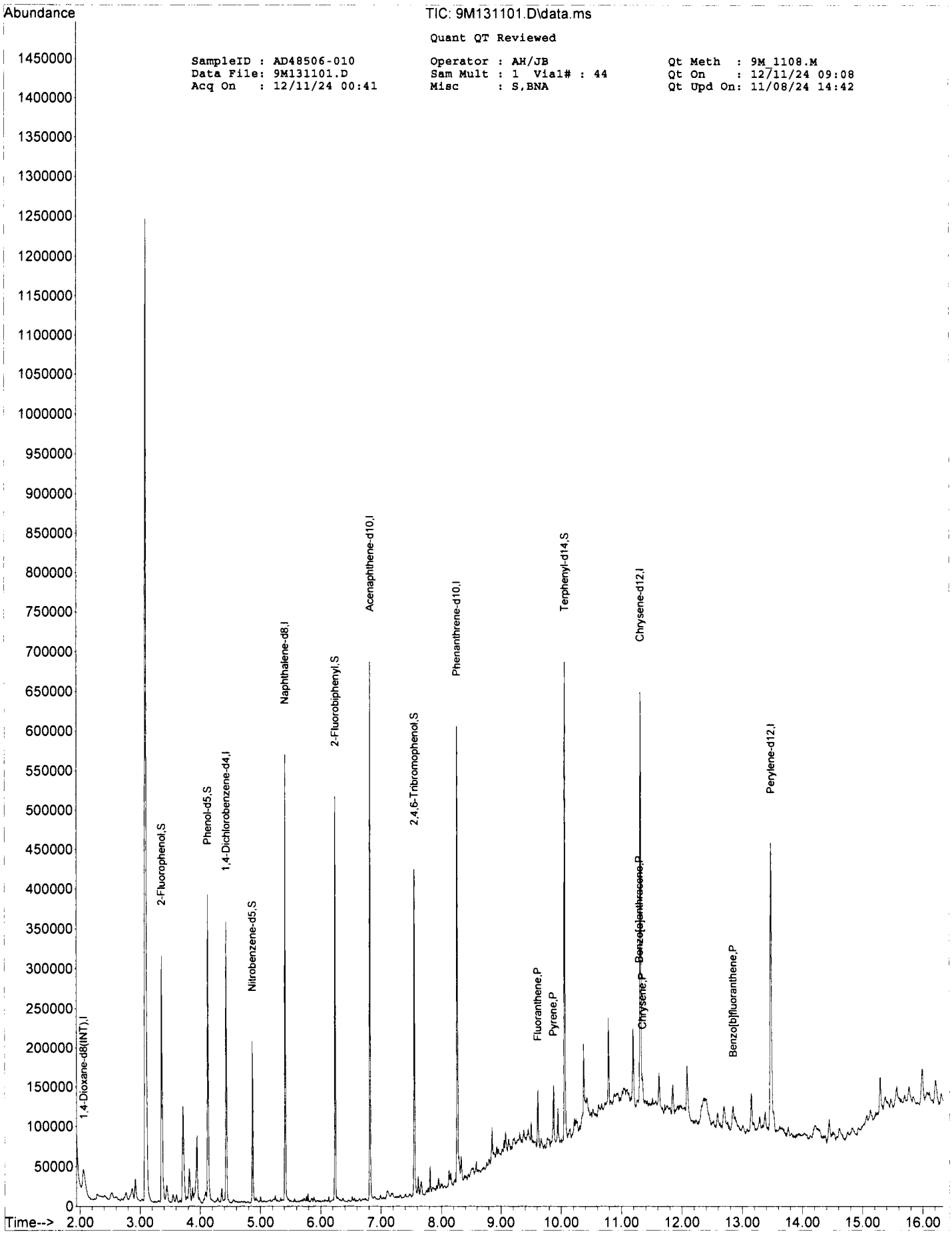
Quantitation Report (QT Reviewed)

SampleID : AD48506-010 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131101.D Sam Mult : 1 Vial# : 44 Qt On : 12/11/24 09:08
Acq On : 12/11/24 00:41 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	37554	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	63972	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	243509	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	139589	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	249366	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	216946	40.00	ng	-0.05
102) Perylene-d12	13.477	264	220602	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	123999	61.60	ng	-0.03
Spiked Amount 100.000			Recovery = 61.60%			
16) Phenol-d5	4.125	99	160515	60.71	ng	-0.03
Spiked Amount 100.000			Recovery = 60.71%			
32) Nitrobenzene-d5	4.866	128	33630	34.36	ng	-0.04
Spiked Amount 50.000			Recovery = 68.72%			
55) 2-Fluorobiphenyl	6.242	172	156059	35.75	ng	-0.04
Spiked Amount 50.000			Recovery = 71.50%			
79) 2,4,6-Tribromophenol	7.554	330	65056	103.02	ng	-0.04
Spiked Amount 100.000			Recovery = 103.02%			
93) Terphenyl-d14	10.060	244	208679	45.47	ng	-0.04
Spiked Amount 50.000			Recovery = 90.94%			
Target Compounds						Qvalue
89) Fluoranthene	9.613	202	30084m	4.5567	ng	
91) Pyrene	9.872	202	30389	4.4579	ng	91
99) Benzo[a]anthracene	11.301	228	14133m	2.2149	ng	
100) Chrysene	11.348	228	16403m	2.7230	ng	
104) Benzo[b]fluoranthene	12.848	252	19583m	3.0922	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131101.D\data.ms
Quant QT Reviewed
SampleID : AD48506-010
Data File: 9M131101.D
Acq On : 12/11/24 00:41
Operator : AH/JB
Sam Mult : 1 Vial# : 44
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/11/24 09:08
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Fluoranthene,P
Pyrene,P
Chrysene-d12,I
Chrysene,P
Benzo[b]fluoranthene,P
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-011
Client Id: SB-25-9.5-10.0'
Data File: 9M131102.D
Analysis Date: 12/11/24 01:03
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.038	U	50-32-8	Benzo[a]pyrene	0.038	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.038	U	205-99-2	Benzo[b]fluoranthene	0.038	U
123-91-1	1,4-Dioxane	0.038	U	191-24-2	Benzo[g,h,i]perylene	0.038	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.038	U	207-08-9	Benzo[k]fluoranthene	0.038	U
95-95-4	2,4,5-Trichlorophenol	0.038	U	111-91-1	bis(2-Chloroethoxy)methan	0.038	U
88-06-2	2,4,6-Trichlorophenol	0.038	U	111-44-4	bis(2-Chloroethyl)ether	0.014	U
120-83-2	2,4-Dichlorophenol	0.038	U	108-60-1	bis(2-chloroisopropyl)ether	0.038	U
105-67-9	2,4-Dimethylphenol	0.038	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.038	U
51-28-5	2,4-Dinitrophenol	0.19	U	85-68-7	Butylbenzylphthalate	0.038	U
121-14-2	2,4-Dinitrotoluene	0.038	U	105-60-2	Caprolactam	0.038	U
606-20-2	2,6-Dinitrotoluene	0.038	U	86-74-8	Carbazole	0.038	U
91-58-7	2-Chloronaphthalene	0.038	U	218-01-9	Chrysene	0.038	U
95-57-8	2-Chlorophenol	0.038	U	53-70-3	Dibenzo[a,h]anthracene	0.038	U
91-57-6	2-Methylnaphthalene	0.038	U	132-64-9	Dibenzofuran	0.038	U
95-48-7	2-Methylphenol	0.038	U	84-66-2	Diethylphthalate	0.038	U
88-74-4	2-Nitroaniline	0.038	U	131-11-3	Dimethylphthalate	0.038	U
88-75-5	2-Nitrophenol	0.038	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	0.038	U	117-84-0	Di-n-octylphthalate	0.038	U
91-94-1	3,3'-Dichlorobenzidine	0.038	U	**206-44-0**	**Fluoranthene**	**0.038**	**0.041**
99-09-2	3-Nitroaniline	0.038	U	86-73-7	Fluorene	0.038	U
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.038	U
101-55-3	4-Bromophenyl-phenylether	0.038	U	87-68-3	Hexachlorobutadiene	0.038	U
59-50-7	4-Chloro-3-methylphenol	0.038	U	77-47-4	Hexachlorocyclopentadiene	0.19	U
106-47-8	4-Chloroaniline	0.038	U	67-72-1	Hexachloroethane	0.038	U
7005-72-3	4-Chlorophenyl-phenylether	0.038	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.038	U
100-01-6	4-Nitroaniline	0.038	U	78-59-1	Isophorone	0.038	U
100-02-7	4-Nitrophenol	0.038	U	91-20-3	Naphthalene	0.038	U
83-32-9	Acenaphthene	0.038	U	98-95-3	Nitrobenzene	0.038	U
208-96-8	Acenaphthylene	0.038	U	621-64-7	N-Nitroso-di-n-propylamine	0.038	U
98-86-2	Acetophenone	0.038	U	86-30-6	n-Nitrosodiphenylamine	0.038	U
120-12-7	Anthracene	0.038	U	87-86-5	Pentachlorophenol	0.19	U
1912-24-9	Atrazine	0.038	U	85-01-8	Phenanthrene	0.038	U
100-52-7	Benzaldehyde	0.038	U	108-95-2	Phenol	0.038	U
56-55-3	Benzo[a]anthracene	0.038	U	**129-00-0**	**Pyrene**	**0.038**	**0.041**

Worksheet #: 764930

Total Target Concentration 0.082

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

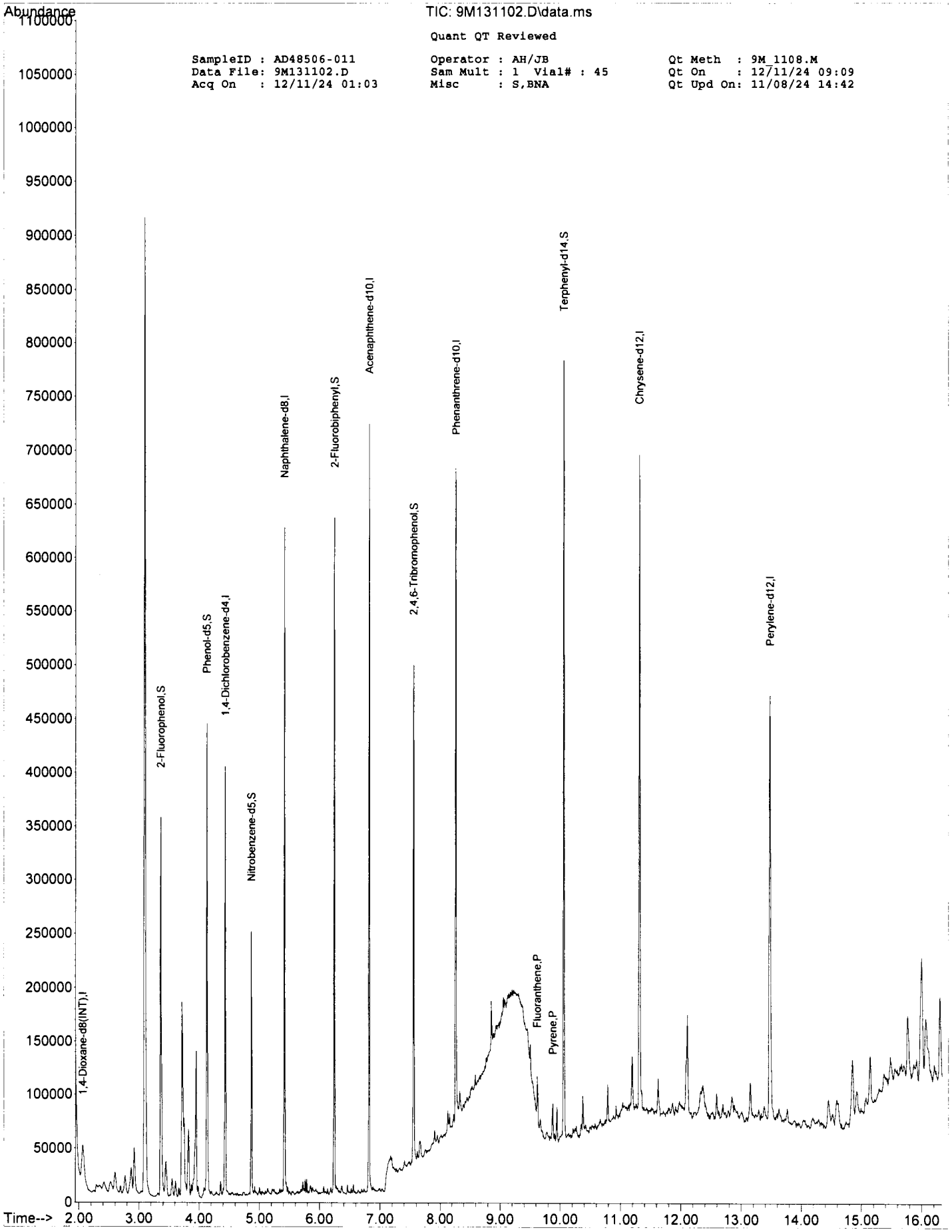
Quantitation Report (QT Reviewed)

SampleID : AD48506-011 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131102.D Sam Mult : 1 Vial# : 45 Qt On : 12/11/24 09:09
Acq On : 12/11/24 01:03 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	41535	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	70746	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	263649	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	152314	40.00	ng	-0.04
76) Phenanthrene-d10	8.266	188	262013	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	248111	40.00	ng	-0.05
102) Perylene-d12	13.477	264	242732	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	144138	64.74	ng	-0.03
Spiked Amount 100.000			Recovery = 64.74%			
16) Phenol-d5	4.125	99	183559	62.77	ng	-0.03
Spiked Amount 100.000			Recovery = 62.77%			
32) Nitrobenzene-d5	4.866	128	40484	38.20	ng	-0.04
Spiked Amount 50.000			Recovery = 76.40%			
55) 2-Fluorobiphenyl	6.242	172	187692	39.40	ng	-0.04
Spiked Amount 50.000			Recovery = 78.80%			
79) 2,4,6-Tribromophenol	7.554	330	71703	108.07	ng	-0.04
Spiked Amount 100.000			Recovery = 108.07%			
93) Terphenyl-d14	10.060	244	232257	44.25	ng	-0.04
Spiked Amount 50.000			Recovery = 88.50%			
Target Compounds						Qvalue
89) Fluoranthene	9.619	202	14924m	2.1514	ng	
91) Pyrene	9.877	202	16714m	2.1439	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131102.D\data.ms
Quant QT Reviewed
SampleID : AD48506-011
Data File: 9M131102.D
Acq On : 12/11/24 01:03
Operator : AH/JB
Sam Mult : 1 Vial# : 45
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/11/24 09:09
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-012
Client Id: SB-05-7.5-8.0'
Data File: 9M131103.D
Analysis Date: 12/11/24 01:25
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 80

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.042	U	**50-32-8**	**Benzo[a]pyrene**	**0.042**	**0.18**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.042	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.042**	**0.23**
123-91-1	1,4-Dioxane	0.042	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.042**	**0.11**
58-90-2	2,3,4,6-Tetrachlorophenol	0.042	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.042**	**0.072**
95-95-4	2,4,5-Trichlorophenol	0.042	U	111-91-1	bis(2-Chloroethoxy)methan	0.042	U
88-06-2	2,4,6-Trichlorophenol	0.042	U	111-44-4	bis(2-Chloroethyl)ether	0.016	U
120-83-2	2,4-Dichlorophenol	0.042	U	108-60-1	bis(2-chloroisopropyl)ether	0.042	U
105-67-9	2,4-Dimethylphenol	0.042	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.042	U
51-28-5	2,4-Dinitrophenol	0.21	U	85-68-7	Butylbenzylphthalate	0.042	U
121-14-2	2,4-Dinitrotoluene	0.042	U	105-60-2	Caprolactam	0.042	U
606-20-2	2,6-Dinitrotoluene	0.042	U	86-74-8	Carbazole	0.042	U
91-58-7	2-Chloronaphthalene	0.042	U	**218-01-9**	**Chrysene**	**0.042**	**0.17**
95-57-8	2-Chlorophenol	0.042	U	53-70-3	Dibenzo[a,h]anthracene	0.042	U
91-57-6	2-Methylnaphthalene	0.042	U	132-64-9	Dibenzofuran	0.042	U
95-48-7	2-Methylphenol	0.042	U	84-66-2	Diethylphthalate	0.042	U
88-74-4	2-Nitroaniline	0.042	U	131-11-3	Dimethylphthalate	0.042	U
88-75-5	2-Nitrophenol	0.042	U	84-74-2	Di-n-butylphthalate	0.21	U
106-44-5	3&4-Methylphenol	0.042	U	117-84-0	Di-n-octylphthalate	0.042	U
91-94-1	3,3'-Dichlorobenzidine	0.042	U	**206-44-0**	**Fluoranthene**	**0.042**	**0.48**
99-09-2	3-Nitroaniline	0.042	U	86-73-7	Fluorene	0.042	U
534-52-1	4,6-Dinitro-2-methylphenol	0.21	U	118-74-1	Hexachlorobenzene	0.042	U
101-55-3	4-Bromophenyl-phenylether	0.042	U	87-68-3	Hexachlorobutadiene	0.042	U
59-50-7	4-Chloro-3-methylphenol	0.042	U	77-47-4	Hexachlorocyclopentadiene	0.21	U
106-47-8	4-Chloroaniline	0.042	U	67-72-1	Hexachloroethane	0.042	U
7005-72-3	4-Chlorophenyl-phenylether	0.042	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.042**	**0.12**
100-01-6	4-Nitroaniline	0.042	U	78-59-1	Isophorone	0.042	U
100-02-7	4-Nitrophenol	0.042	U	91-20-3	Naphthalene	0.042	U
83-32-9	Acenaphthene	0.042	U	98-95-3	Nitrobenzene	0.042	U
208-96-8	Acenaphthylene	0.042	U	621-64-7	N-Nitroso-di-n-propylamine	0.042	U
98-86-2	Acetophenone	0.042	U	86-30-6	n-Nitrosodiphenylamine	0.042	U
120-12-7	**Anthracene**	**0.042**	**0.079**	87-86-5	Pentachlorophenol	0.21	U
1912-24-9	Atrazine	0.042	U	**85-01-8**	**Phenanthrene**	**0.042**	**0.25**
100-52-7	Benzaldehyde	0.042	U	108-95-2	Phenol	0.042	U
56-55-3	**Benzo[a]anthracene**	**0.042**	**0.20**	**129-00-0**	**Pyrene**	**0.042**	**0.38**

Worksheet #: 764930

Total Target Concentration 2.3

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

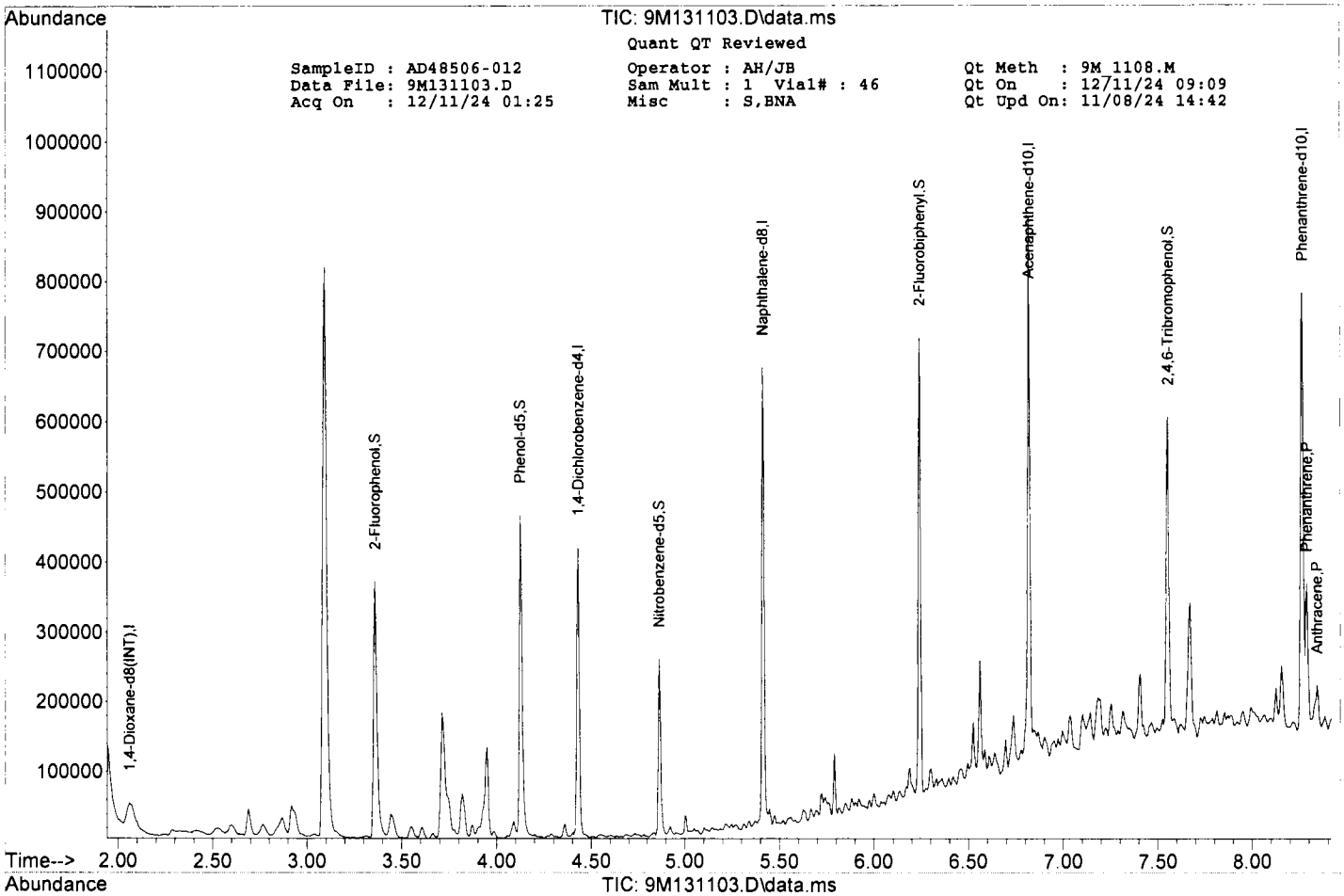
Quantitation Report (QT Reviewed)

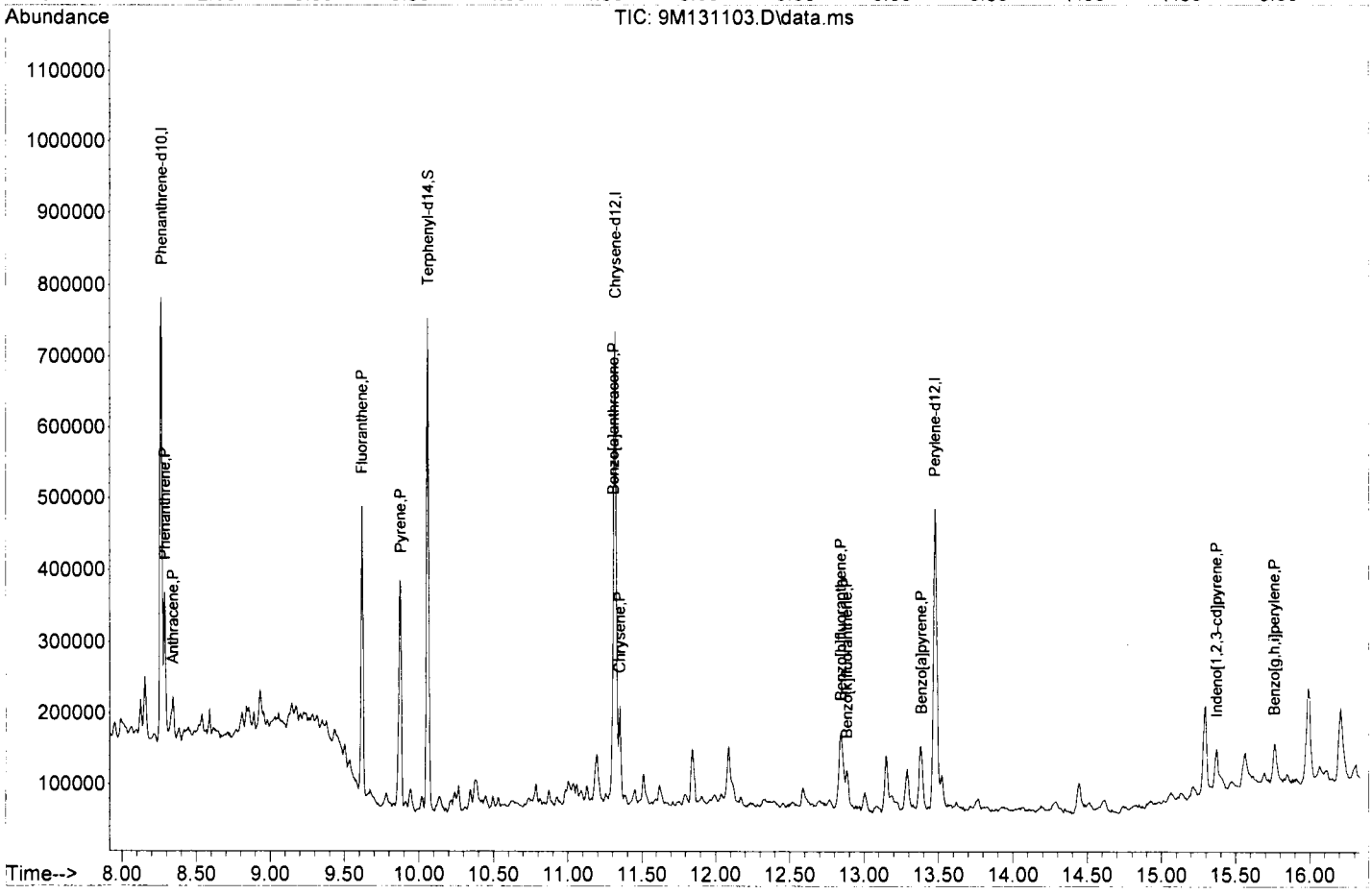
SampleID : AD48506-012 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131103.D Sam Mult : 1 Vial# : 46 Qt On : 12/11/24 09:09
Acq On : 12/11/24 01:25 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	43032	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	73792	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	278637	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	157008	40.00	ng	-0.04
76) Phenanthrene-d10	8.266	188	267756	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	254262	40.00	ng	-0.04
102) Perylene-d12	13.477	264	253177	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	147314	63.87	ng	-0.03
Spiked Amount 100.000			Recovery = 63.87%			
16) Phenol-d5	4.125	99	188650	62.27	ng	-0.03
Spiked Amount 100.000			Recovery = 62.27%			
32) Nitrobenzene-d5	4.866	128	41255	36.83	ng	-0.04
Spiked Amount 50.000			Recovery = 73.66%			
55) 2-Fluorobiphenyl	6.242	172	188050	38.30	ng	-0.04
Spiked Amount 50.000			Recovery = 76.60%			
79) 2,4,6-Tribromophenol	7.554	330	68860	101.56	ng	-0.04
Spiked Amount 100.000			Recovery = 101.56%			
93) Terphenyl-d14	10.060	244	234527	43.60	ng	-0.04
Spiked Amount 50.000			Recovery = 87.20%			
Target Compounds						Qvalue
85) Phenanthrene	8.289	178	80018m	12.1136	ng	
86) Anthracene	8.342	178	25170m	3.7903	ng	
89) Fluoranthene	9.619	202	164019	23.1368	ng	92
91) Pyrene	9.877	202	145000	18.1490	ng	88
99) Benzo[a]anthracene	11.307	228	70279m	9.3974	ng	
100) Chrysene	11.348	228	59272m	8.3954	ng	
104) Benzo[b]fluoranthene	12.842	252	80496m	11.0752	ng	
105) Benzo[k]fluoranthene	12.883	252	26806m	3.4794	ng	
106) Benzo[a]pyrene	13.383	252	57925	8.4657	ng	89
107) Indeno[1,2,3-cd]pyrene	15.371	276	36169m	5.8771	ng	
109) Benzo[g,h,i]perylene	15.759	276	33578m	5.4085	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131103.D\data.ms
Quant QT Reviewed
SampleID : AD48506-012
Data File: 9M131103.D
Acq On : 12/11/24 01:25
Operator : AH/JB
Sam Mult : 1 Vial# : 46
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/11/24 09:09
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Time-->


Abundance
TIC: 9M131103.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Perylene-d12,I
Benzo[a]pyrene,P
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-013(3X)
Client Id: SB-15-7.5-8.0'
Data File: 9M131108.D
Analysis Date: 12/11/24 03:14
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 3
Solids: 73

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.14	U	**50-32-8**	**Benzo[a]pyrene**	**0.14**	**0.97**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.14	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.14**	**1.3**
123-91-1	1,4-Dioxane	0.14	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.14**	**0.72**
58-90-2	2,3,4,6-Tetrachlorophenol	0.14	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.14**	**0.44**
95-95-4	2,4,5-Trichlorophenol	0.14	U	111-91-1	bis(2-Chloroethoxy)methan	0.14	U
88-06-2	2,4,6-Trichlorophenol	0.14	U	111-44-4	bis(2-Chloroethyl)ether	0.052	U
120-83-2	2,4-Dichlorophenol	0.14	U	108-60-1	bis(2-chloroisopropyl)ether	0.14	U
105-67-9	2,4-Dimethylphenol	0.14	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.14	U
51-28-5	2,4-Dinitrophenol	0.68	U	85-68-7	Butylbenzylphthalate	0.14	U
121-14-2	2,4-Dinitrotoluene	0.14	U	105-60-2	Caprolactam	0.14	U
606-20-2	2,6-Dinitrotoluene	0.14	U	86-74-8	Carbazole	0.14	U
91-58-7	2-Chloronaphthalene	0.14	U	**218-01-9**	**Chrysene**	**0.14**	**0.95**
95-57-8	2-Chlorophenol	0.14	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.14**	**0.18**
91-57-6	2-Methylnaphthalene	0.14	U	132-64-9	Dibenzofuran	0.14	U
95-48-7	2-Methylphenol	0.14	U	84-66-2	Diethylphthalate	0.14	U
88-74-4	2-Nitroaniline	0.14	U	131-11-3	Dimethylphthalate	0.14	U
88-75-5	2-Nitrophenol	0.14	U	84-74-2	Di-n-butylphthalate	0.68	U
106-44-5	3&4-Methylphenol	0.14	U	117-84-0	Di-n-octylphthalate	0.14	U
91-94-1	3,3'-Dichlorobenzidine	0.14	U	**206-44-0**	**Fluoranthene**	**0.14**	**1.3**
99-09-2	3-Nitroaniline	0.14	U	86-73-7	Fluorene	0.14	U
534-52-1	4,6-Dinitro-2-methylphenol	0.68	U	118-74-1	Hexachlorobenzene	0.14	U
101-55-3	4-Bromophenyl-phenylether	0.14	U	87-68-3	Hexachlorobutadiene	0.14	U
59-50-7	4-Chloro-3-methylphenol	0.14	U	77-47-4	Hexachlorocyclopentadiene	0.68	U
106-47-8	4-Chloroaniline	0.14	U	67-72-1	Hexachloroethane	0.14	U
7005-72-3	4-Chlorophenyl-phenylether	0.14	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.14**	**0.78**
100-01-6	4-Nitroaniline	0.14	U	78-59-1	Isophorone	0.14	U
100-02-7	4-Nitrophenol	0.14	U	91-20-3	Naphthalene	0.14	U
83-32-9	Acenaphthene	0.14	U	98-95-3	Nitrobenzene	0.14	U
208-96-8	Acenaphthylene	0.14	U	621-64-7	N-Nitroso-di-n-propylamine	0.14	U
98-86-2	Acetophenone	0.14	U	86-30-6	n-Nitrosodiphenylamine	0.14	U
120-12-7	**Anthracene**	**0.14**	**0.17**	87-86-5	Pentachlorophenol	0.68	U
1912-24-9	Atrazine	0.14	U	**85-01-8**	**Phenanthrene**	**0.14**	**0.46**
100-52-7	Benzaldehyde	0.14	U	108-95-2	Phenol	0.14	U
56-55-3	**Benzo[a]anthracene**	**0.14**	**0.92**	**129-00-0**	**Pyrene**	**0.14**	**1.3**

Worksheet #: 764930

Total Target Concentration 9.5

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

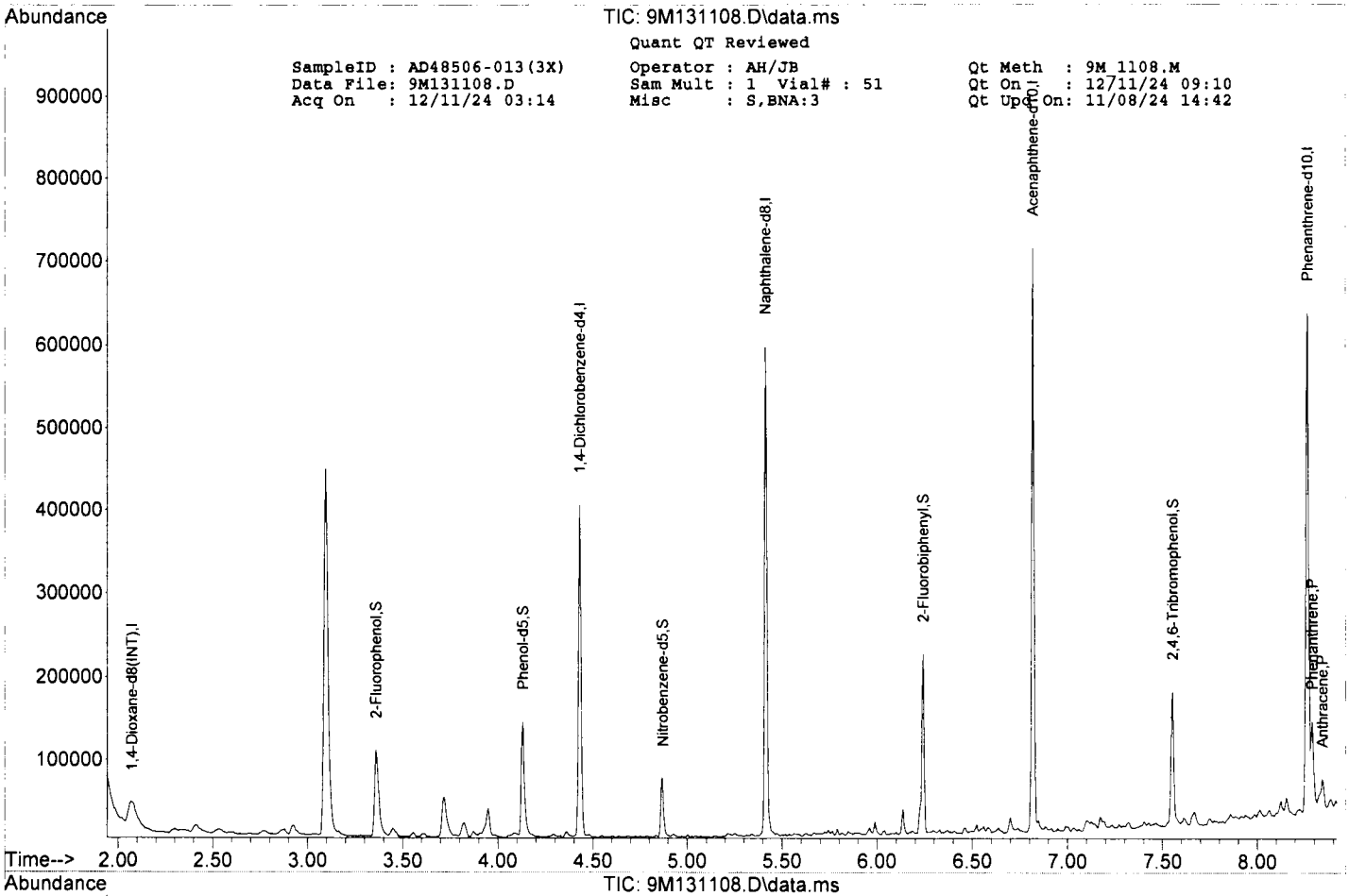
Quantitation Report (QT Reviewed)

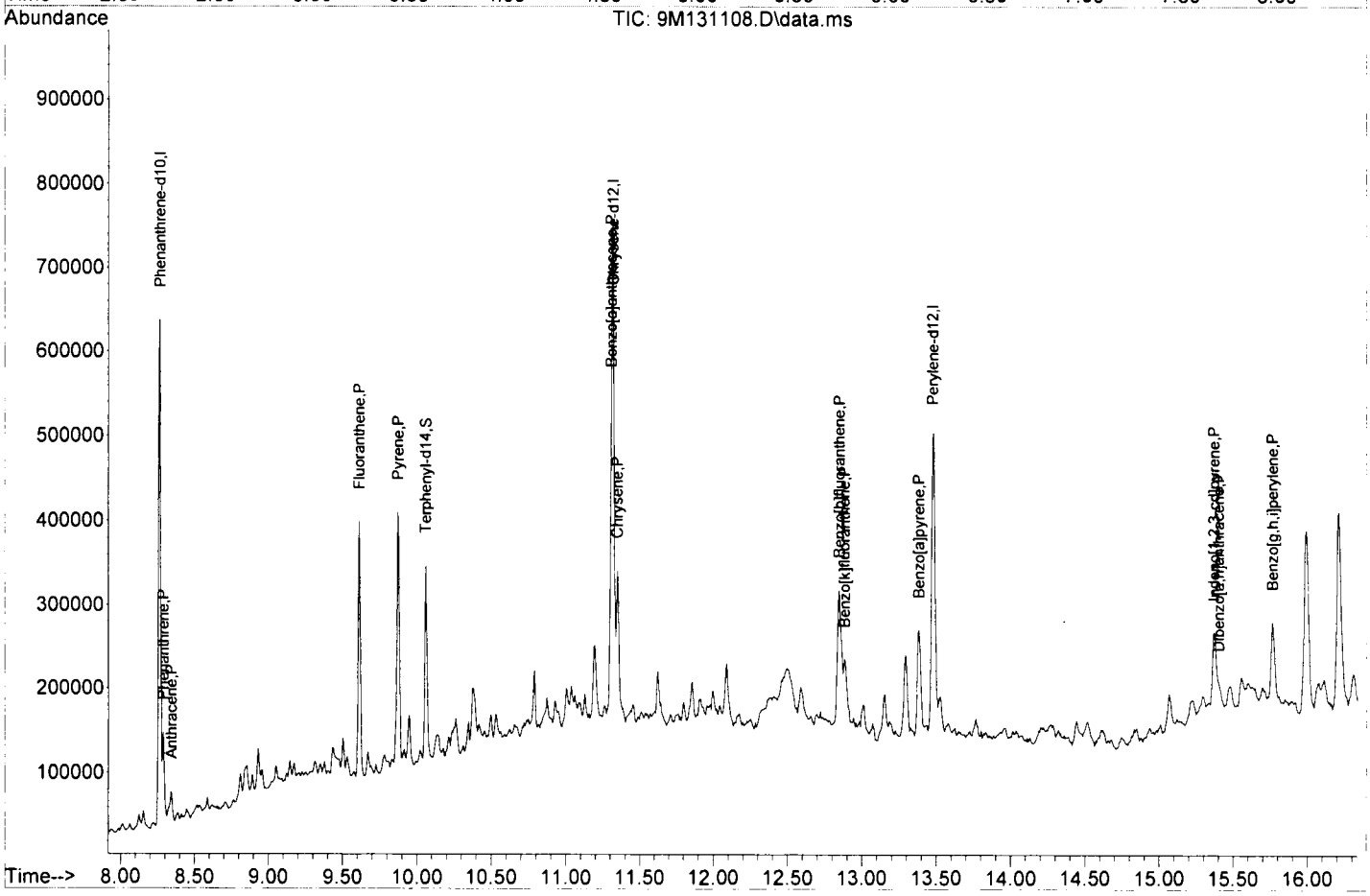
SampleID : AD48506-013(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131108.D Sam Mult : 1 Vial# : 51 Qt On : 12/11/24 09:10
Acq On : 12/11/24 03:14 Misc : S,BNA:3 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.072	96	38423	40.00	ng	-0.04
21) 1,4-Dichlorobenzene-d4	4.431	152	70114	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	258368	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	146180	40.00	ng	-0.04
76) Phenanthrene-d10	8.266	188	254935	40.00	ng	-0.04
90) Chrysene-d12	11.318	240	218598	40.00	ng	-0.04
102) Perylene-d12	13.477	264	221708	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	49223	23.90	ng	-0.03
Spiked Amount 100.000			Recovery = 23.90%			
16) Phenol-d5	4.131	99	63849	23.60	ng	-0.02
Spiked Amount 100.000			Recovery = 23.60%			
32) Nitrobenzene-d5	4.872	128	14307	13.78	ng	-0.03
Spiked Amount 50.000			Recovery = 27.56%			
55) 2-Fluorobiphenyl	6.242	172	62185	13.60	ng	-0.04
Spiked Amount 50.000			Recovery = 27.20%			
79) 2,4,6-Tribromophenol	7.554	330	23041	35.69	ng	-0.04
Spiked Amount 100.000			Recovery = 35.69%			
93) Terphenyl-d14	10.060	244	77785	16.82	ng	-0.04
Spiked Amount 50.000			Recovery = 33.64%			
Target Compounds						Qvalue
85) Phenanthrene	8.289	178	42158m	6.7031	ng	
86) Anthracene	8.342	178	15776m	2.4951	ng	
89) Fluoranthene	9.613	202	127991	18.9627	ng	93
91) Pyrene	9.872	202	133016	19.3653	ng	93
99) Benzo[a]anthracene	11.307	228	86007m	13.3768	ng	
100) Chrysene	11.348	228	83839m	13.8125	ng	
104) Benzo[b]fluoranthene	12.848	252	120756m	18.9727	ng	
105) Benzo[k]fluoranthene	12.883	252	43659m	6.4712	ng	
106) Benzo[a]pyrene	13.383	252	84424	14.0899	ng	93
107) Indeno[1,2,3-cd]pyrene	15.371	276	61156m	11.3477	ng	
108) Dibenzo[a,h]anthracene	15.401	278	14507m	2.6496	ng	
109) Benzo[g,h,i]perylene	15.765	276	57310m	10.5412	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131108.D\data.ms
Quant QT Reviewed
SampleID : AD48506-013(3X)
Data File: 9M131108.D
Acq On : 12/11/24 03:14
Operator : AH/JB
Sam Mult : 1 Vial# : 51
Misc : S,BNA:3
Qt Meth : 9M_1108.M
Qt On : 12/11/24 09:10
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Time-->


Abundance
TIC: 9M131108.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[k]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Dibenz[a,h]anthracene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-014(5X)
Client Id: SB-16-7.5-8.0'
Data File: 9M131112.D
Analysis Date: 12/11/24 04:41
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 5
Solids: 71

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.23	U	50-32-8	Benzo[a]pyrene	0.23	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.23	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.23**	**0.28**
123-91-1	1,4-Dioxane	0.23	U	191-24-2	Benzo[g,h,i]perylene	0.23	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.23	U	207-08-9	Benzo[k]fluoranthene	0.23	U
95-95-4	2,4,5-Trichlorophenol	0.23	U	111-91-1	bis(2-Chloroethoxy)methan	0.23	U
88-06-2	2,4,6-Trichlorophenol	0.23	U	111-44-4	bis(2-Chloroethyl)ether	0.089	U
120-83-2	2,4-Dichlorophenol	0.23	U	108-60-1	bis(2-chloroisopropyl)ether	0.23	U
105-67-9	2,4-Dimethylphenol	0.23	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.23	U
51-28-5	2,4-Dinitrophenol	1.2	U	85-68-7	Butylbenzylphthalate	0.23	U
121-14-2	2,4-Dinitrotoluene	0.23	U	105-60-2	Caprolactam	0.23	U
606-20-2	2,6-Dinitrotoluene	0.23	U	86-74-8	Carbazole	0.23	U
91-58-7	2-Chloronaphthalene	0.23	U	218-01-9	Chrysene	0.23	U
95-57-8	2-Chlorophenol	0.23	U	53-70-3	Dibenzo[a,h]anthracene	0.23	U
91-57-6	2-Methylnaphthalene	0.23	U	132-64-9	Dibenzofuran	0.23	U
95-48-7	2-Methylphenol	0.23	U	84-66-2	Diethylphthalate	0.23	U
88-74-4	2-Nitroaniline	0.23	U	131-11-3	Dimethylphthalate	0.23	U
88-75-5	2-Nitrophenol	0.23	U	84-74-2	Di-n-butylphthalate	1.2	U
106-44-5	3&4-Methylphenol	0.23	U	117-84-0	Di-n-octylphthalate	0.23	U
91-94-1	3,3'-Dichlorobenzidine	0.23	U	**206-44-0**	**Fluoranthene**	**0.23**	**0.36**
99-09-2	3-Nitroaniline	0.23	U	86-73-7	Fluorene	0.23	U
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	118-74-1	Hexachlorobenzene	0.23	U
101-55-3	4-Bromophenyl-phenylether	0.23	U	87-68-3	Hexachlorobutadiene	0.23	U
59-50-7	4-Chloro-3-methylphenol	0.23	U	77-47-4	Hexachlorocyclopentadiene	1.2	U
106-47-8	4-Chloroaniline	0.23	U	67-72-1	Hexachloroethane	0.23	U
7005-72-3	4-Chlorophenyl-phenylether	0.23	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.23	U
100-01-6	4-Nitroaniline	0.23	U	78-59-1	Isophorone	0.23	U
100-02-7	4-Nitrophenol	0.23	U	91-20-3	Naphthalene	0.23	U
83-32-9	Acenaphthene	0.23	U	98-95-3	Nitrobenzene	0.23	U
208-96-8	Acenaphthylene	0.23	U	621-64-7	N-Nitroso-di-n-propylamine	0.23	U
98-86-2	Acetophenone	0.23	U	86-30-6	n-Nitrosodiphenylamine	0.23	U
120-12-7	Anthracene	0.23	U	87-86-5	Pentachlorophenol	1.2	U
1912-24-9	Atrazine	0.23	U	85-01-8	Phenanthrene	0.23	U
100-52-7	Benzaldehyde	0.23	U	108-95-2	Phenol	0.23	U
56-55-3	Benzo[a]anthracene	0.23	U	**129-00-0**	**Pyrene**	**0.23**	**0.38**

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

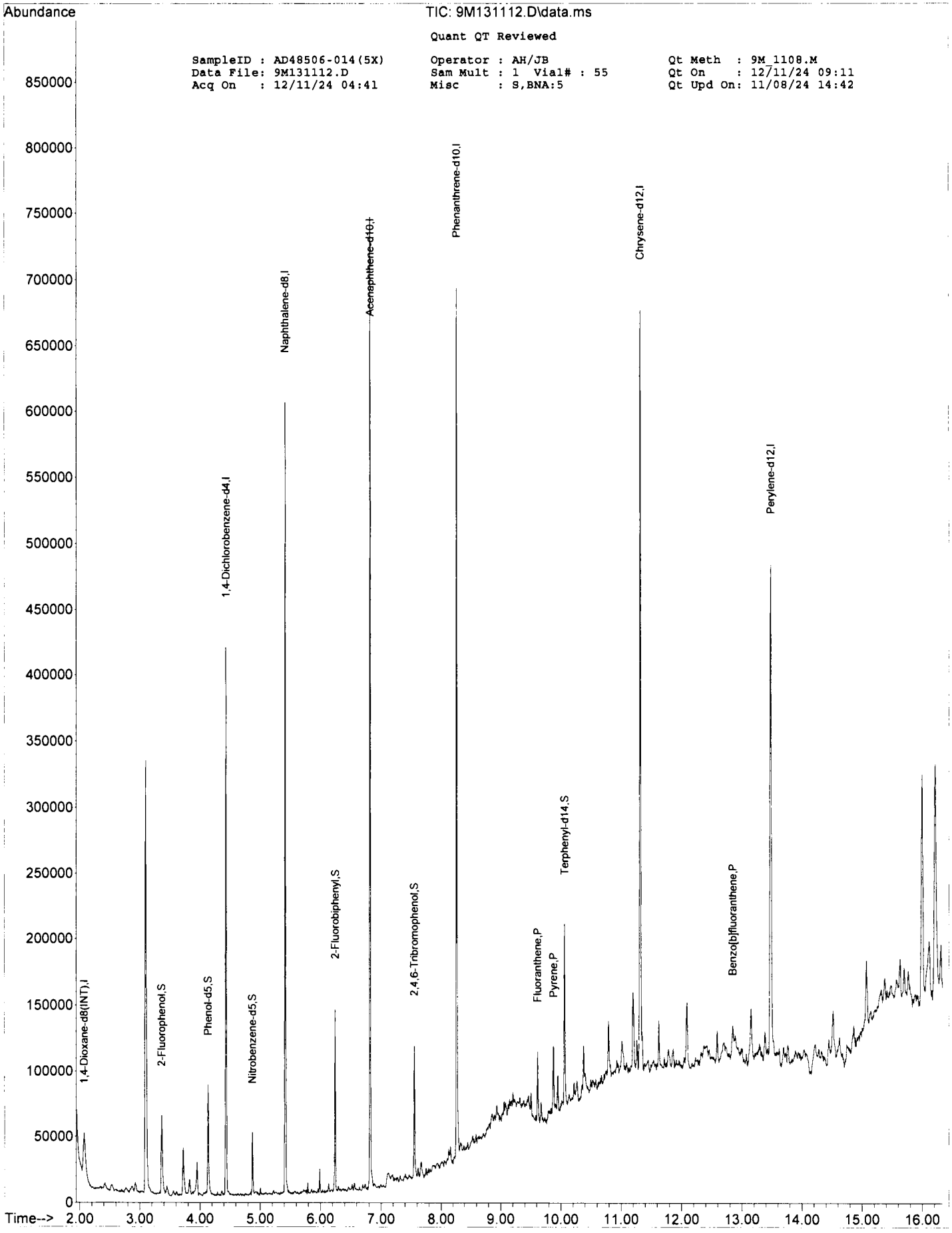
Quantitation Report (QT Reviewed)

SampleID : AD48506-014(5X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131112.D Sam Mult : 1 Vial# : 55 Qt On : 12/11/24 09:11
Acq On : 12/11/24 04:41 Misc : S,BNA:5 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.072	96	39064	40.00	ng	-0.04
21) 1,4-Dichlorobenzene-d4	4.431	152	70270	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	269780	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	154837	40.00	ng	-0.04
76) Phenanthrene-d10	8.266	188	270160	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	228144	40.00	ng	-0.04
102) Perylene-d12	13.483	264	226868	40.00	ng	-0.05
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	29901	14.28	ng	-0.03
Spiked Amount 100.000			Recovery = 14.28%			
16) Phenol-d5	4.131	99	37991	13.81	ng	-0.02
Spiked Amount 100.000			Recovery = 13.81%			
32) Nitrobenzene-d5	4.872	128	9441	8.71	ng	-0.03
Spiked Amount 50.000			Recovery = 17.42%			
55) 2-Fluorobiphenyl	6.242	172	38291	7.91	ng	-0.04
Spiked Amount 50.000			Recovery = 15.82%			
79) 2,4,6-Tribromophenol	7.554	330	13460	19.67	ng	-0.04
Spiked Amount 100.000			Recovery = 19.67%			
93) Terphenyl-d14	10.060	244	47245	9.79	ng	-0.04
Spiked Amount 50.000			Recovery = 19.58%			
Target Compounds						Qvalue
89) Fluoranthene	9.613	202	22067	3.0851	ng	97
91) Pyrene	9.877	202	23104	3.2229	ng	86
104) Benzo[b]fluoranthene	12.848	252	15409m	2.3659	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131112.D\data.ms
Quant QT Reviewed
SampleID : AD48506-014(5X)
Data File: 9M131112.D
Acq On : 12/11/24 04:41
Operator : AH/JB
Sam Mult : 1 Vial# : 55
Misc : S,BNA:5
Qt Meth : 9M_1108.M
Qt On : 12/11/24 09:11
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Benzo[b]fluoranthene,P
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-015
Client Id: SB-24-9.5-10.0'
Data File: 9M131104.D
Analysis Date: 12/11/24 01:47
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 66

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.051	U	**50-32-8**	**Benzo[a]pyrene**	**0.051**	**0.10**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.051	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.051**	**0.14**
123-91-1	1,4-Dioxane	0.051	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.051**	**0.076**
58-90-2	2,3,4,6-Tetrachlorophenol	0.051	U	207-08-9	Benzo[k]fluoranthene	0.051	U
95-95-4	2,4,5-Trichlorophenol	0.051	U	111-91-1	bis(2-Chloroethoxy)methan	0.051	U
88-06-2	2,4,6-Trichlorophenol	0.051	U	111-44-4	bis(2-Chloroethyl)ether	0.019	U
120-83-2	2,4-Dichlorophenol	0.051	U	108-60-1	bis(2-chloroisopropyl)ether	0.051	U
105-67-9	2,4-Dimethylphenol	0.051	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.051	U
51-28-5	2,4-Dinitrophenol	0.25	U	85-68-7	Butylbenzylphthalate	0.051	U
121-14-2	2,4-Dinitrotoluene	0.051	U	105-60-2	Caprolactam	0.051	U
606-20-2	2,6-Dinitrotoluene	0.051	U	86-74-8	Carbazole	0.051	U
91-58-7	2-Chloronaphthalene	0.051	U	**218-01-9**	**Chrysene**	**0.051**	**0.11**
95-57-8	2-Chlorophenol	0.051	U	53-70-3	Dibenzo[a,h]anthracene	0.051	U
91-57-6	2-Methylnaphthalene	0.051	U	132-64-9	Dibenzofuran	0.051	U
95-48-7	2-Methylphenol	0.051	U	84-66-2	Diethylphthalate	0.051	U
88-74-4	2-Nitroaniline	0.051	U	131-11-3	Dimethylphthalate	0.051	U
88-75-5	2-Nitrophenol	0.051	U	84-74-2	Di-n-butylphthalate	0.25	U
106-44-5	3&4-Methylphenol	0.051	U	117-84-0	Di-n-octylphthalate	0.051	U
91-94-1	3,3'-Dichlorobenzidine	0.051	U	**206-44-0**	**Fluoranthene**	**0.051**	**0.21**
99-09-2	3-Nitroaniline	0.051	U	86-73-7	Fluorene	0.051	U
534-52-1	4,6-Dinitro-2-methylphenol	0.25	U	118-74-1	Hexachlorobenzene	0.051	U
101-55-3	4-Bromophenyl-phenylether	0.051	U	87-68-3	Hexachlorobutadiene	0.051	U
59-50-7	4-Chloro-3-methylphenol	0.051	U	77-47-4	Hexachlorocyclopentadiene	0.25	U
106-47-8	4-Chloroaniline	0.051	U	67-72-1	Hexachloroethane	0.051	U
7005-72-3	4-Chlorophenyl-phenylether	0.051	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.051**	**0.079**
100-01-6	4-Nitroaniline	0.051	U	78-59-1	Isophorone	0.051	U
100-02-7	4-Nitrophenol	0.051	U	91-20-3	Naphthalene	0.051	U
83-32-9	Acenaphthene	0.051	U	98-95-3	Nitrobenzene	0.051	U
208-96-8	Acenaphthylene	0.051	U	621-64-7	N-Nitroso-di-n-propylamine	0.051	U
98-86-2	Acetophenone	0.051	U	86-30-6	n-Nitrosodiphenylamine	0.051	U
120-12-7	Anthracene	0.051	U	87-86-5	Pentachlorophenol	0.25	U
1912-24-9	Atrazine	0.051	U	**85-01-8**	**Phenanthrene**	**0.051**	**0.079**
100-52-7	Benzaldehyde	0.051	U	108-95-2	Phenol	0.051	U
56-55-3	**Benzo[a]anthracene**	**0.051**	**0.096**	**129-00-0**	**Pyrene**	**0.051**	**0.19**

Worksheet #: 764930

Total Target Concentration 1.1

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

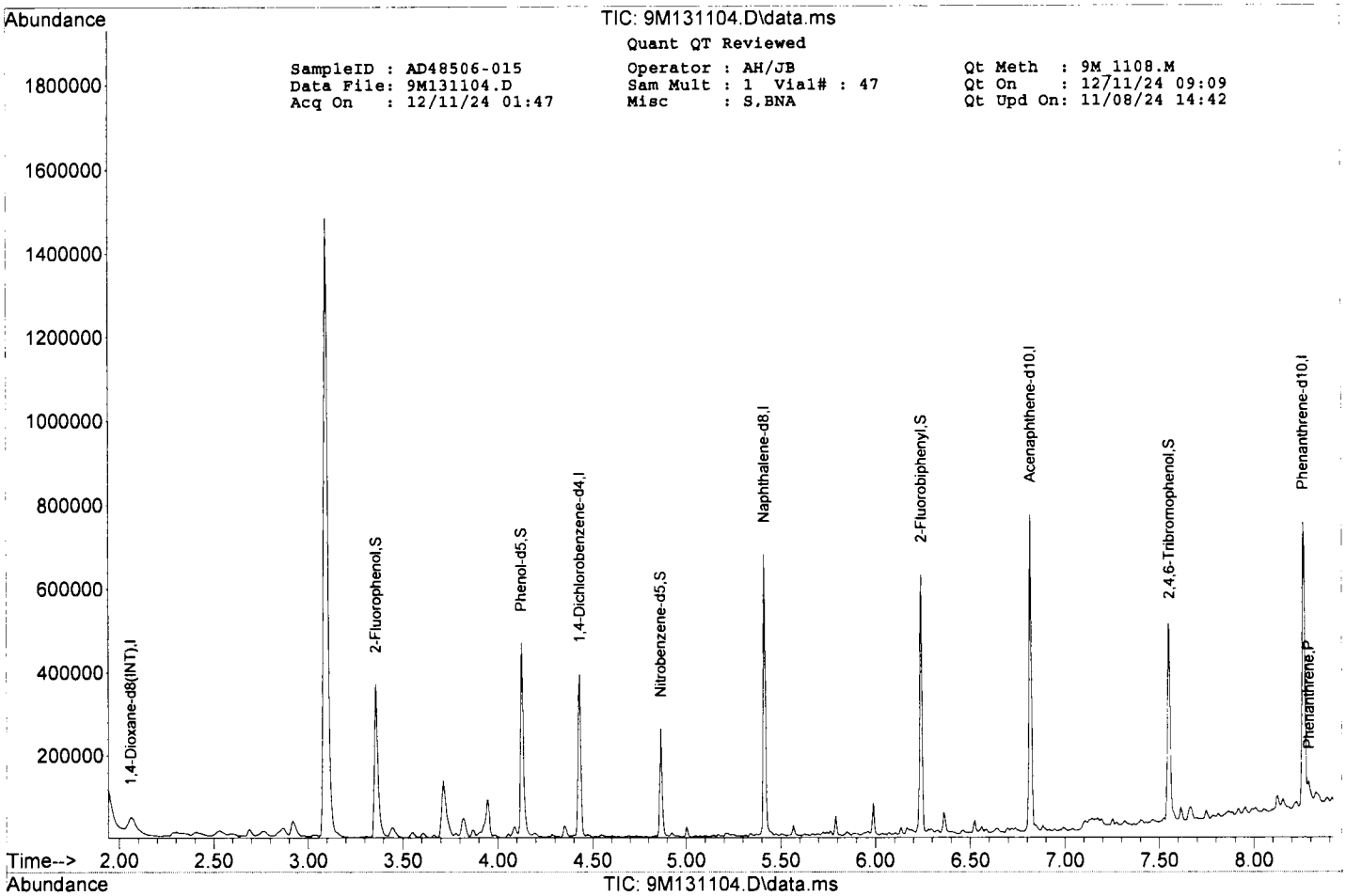
Quantitation Report (QT Reviewed)

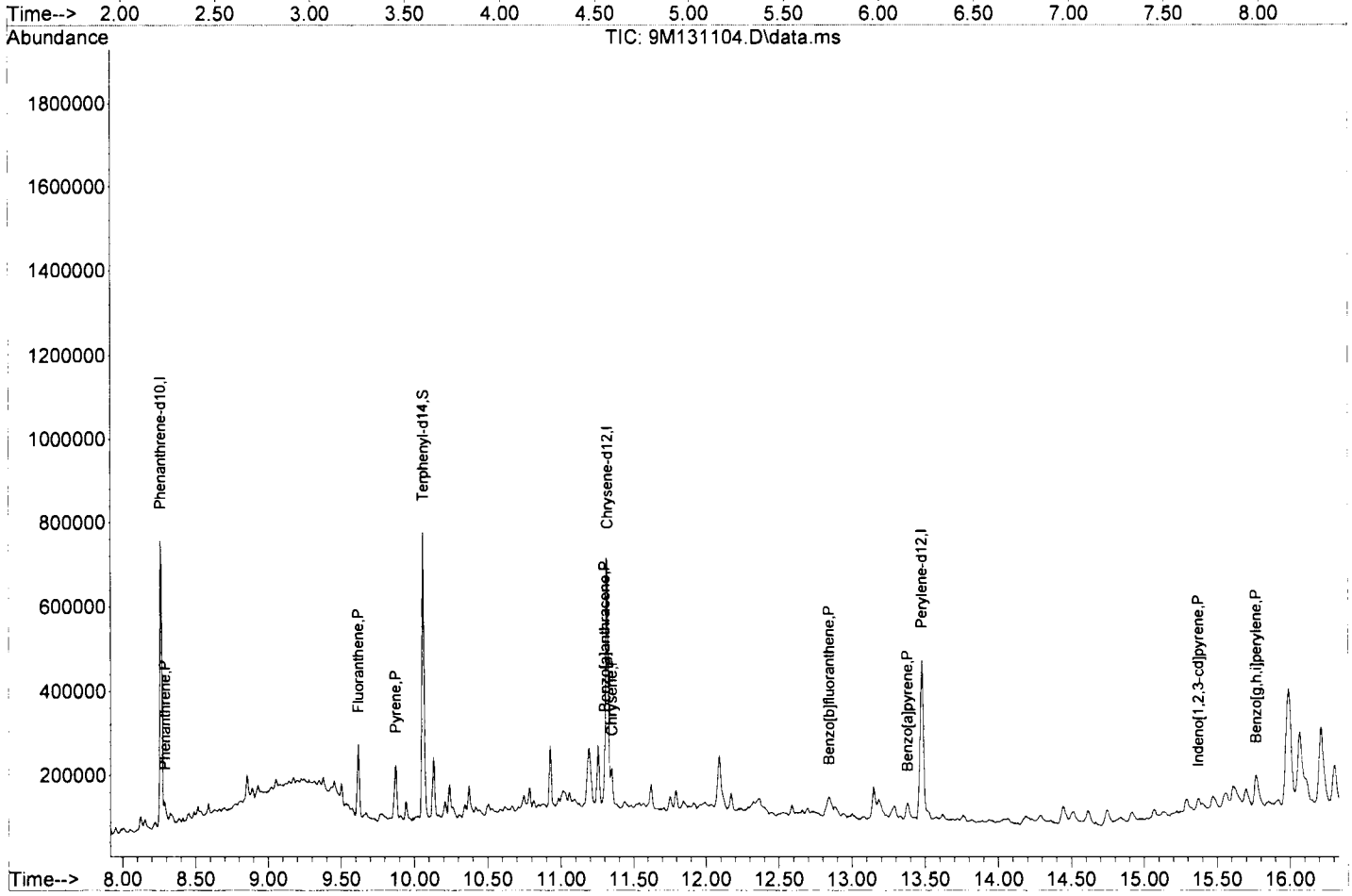
SampleID : AD48506-015 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131104.D Sam Mult : 1 Vial# : 47 Qt On : 12/11/24 09:09
Acq On : 12/11/24 01:47 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	41364	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	69571	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	266337	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	155587	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	269683	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	235576	40.00	ng	-0.04
102) Perylene-d12	13.477	264	230899	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	146918	66.26	ng	-0.03
Spiked Amount 100.000			Recovery = 66.26%			
16) Phenol-d5	4.125	99	188448	64.71	ng	-0.03
Spiked Amount 100.000			Recovery = 64.71%			
32) Nitrobenzene-d5	4.866	128	40838	38.14	ng	-0.04
Spiked Amount 50.000			Recovery = 76.28%			
55) 2-Fluorobiphenyl	6.243	172	188462	38.73	ng	-0.04
Spiked Amount 50.000			Recovery = 77.46%			
79) 2,4,6-Tribromophenol	7.554	330	69118	101.21	ng	-0.04
Spiked Amount 100.000			Recovery = 101.21%			
93) Terphenyl-d14	10.060	244	224095	44.96	ng	-0.04
Spiked Amount 50.000			Recovery = 89.92%			
Target Compounds						Qvalue
85) Phenanthrene	8.289	178	20852m	3.1341	ng	
89) Fluoranthene	9.619	202	58510	8.1946	ng	92
91) Pyrene	9.872	202	55342	7.4764	ng	92
99) Benzo[a]anthracene	11.301	228	26364m	3.8049	ng	
100) Chrysene	11.348	228	27945m	4.2721	ng	
104) Benzo[b]fluoranthene	12.842	252	37328m	5.6314	ng	
106) Benzo[a]pyrene	13.377	252	25943m	4.1574	ng	
107) Indeno[1,2,3-cd]pyrene	15.371	276	17665m	3.1473	ng	
109) Benzo[g,h,i]perylene	15.765	276	17118m	3.0232	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131104.D\data.ms
Quant QT Reviewed
SampleID : AD48506-015
Data File: 9M131104.D
Acq On : 12/11/24 01:47
Operator : AH/JB
Sam Mult : 1 Vial# : 47
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/11/24 09:09
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M131104.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[b]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-016
Client Id: SB-20-9.5-10.0'
Data File: 9M131105.D
Analysis Date: 12/11/24 02:08
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 73

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.046	U	**50-32-8**	**Benzo[a]pyrene**	**0.046**	**0.35**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.046	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.046**	**0.41**
123-91-1	1,4-Dioxane	0.046	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.046**	**0.20**
58-90-2	2,3,4,6-Tetrachlorophenol	0.046	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.046**	**0.14**
95-95-4	2,4,5-Trichlorophenol	0.046	U	111-91-1	bis(2-Chloroethoxy)methan	0.046	U
88-06-2	2,4,6-Trichlorophenol	0.046	U	111-44-4	bis(2-Chloroethyl)ether	0.017	U
120-83-2	2,4-Dichlorophenol	0.046	U	108-60-1	bis(2-chloroisopropyl)ether	0.046	U
105-67-9	2,4-Dimethylphenol	0.046	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.046	U
51-28-5	2,4-Dinitrophenol	0.23	U	85-68-7	Butylbenzylphthalate	0.046	U
121-14-2	2,4-Dinitrotoluene	0.046	U	105-60-2	Caprolactam	0.046	U
606-20-2	2,6-Dinitrotoluene	0.046	U	86-74-8	Carbazole	0.046	U
91-58-7	2-Chloronaphthalene	0.046	U	**218-01-9**	**Chrysene**	**0.046**	**0.43**
95-57-8	2-Chlorophenol	0.046	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.046**	**0.054**
91-57-6	2-Methylnaphthalene	0.046	U	132-64-9	Dibenzofuran	0.046	U
95-48-7	2-Methylphenol	0.046	U	84-66-2	Diethylphthalate	0.046	U
88-74-4	2-Nitroaniline	0.046	U	131-11-3	Dimethylphthalate	0.046	U
88-75-5	2-Nitrophenol	0.046	U	84-74-2	Di-n-butylphthalate	0.23	U
106-44-5	3&4-Methylphenol	0.046	U	117-84-0	Di-n-octylphthalate	0.046	U
91-94-1	3,3'-Dichlorobenzidine	0.046	U	**206-44-0**	**Fluoranthene**	**0.046**	**0.66**
99-09-2	3-Nitroaniline	0.046	U	86-73-7	Fluorene	0.046	U
534-52-1	4,6-Dinitro-2-methylphenol	0.23	U	118-74-1	Hexachlorobenzene	0.046	U
101-55-3	4-Bromophenyl-phenylether	0.046	U	87-68-3	Hexachlorobutadiene	0.046	U
59-50-7	4-Chloro-3-methylphenol	0.046	U	77-47-4	Hexachlorocyclopentadiene	0.23	U
106-47-8	4-Chloroaniline	0.046	U	67-72-1	Hexachloroethane	0.046	U
7005-72-3	4-Chlorophenyl-phenylether	0.046	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.046**	**0.22**
100-01-6	4-Nitroaniline	0.046	U	78-59-1	Isophorone	0.046	U
100-02-7	4-Nitrophenol	0.046	U	91-20-3	Naphthalene	0.046	U
83-32-9	Acenaphthene	0.046	U	98-95-3	Nitrobenzene	0.046	U
208-96-8	Acenaphthylene	0.046	U	621-64-7	N-Nitroso-di-n-propylamine	0.046	U
98-86-2	Acetophenone	0.046	U	86-30-6	n-Nitrosodiphenylamine	0.046	U
120-12-7	**Anthracene**	**0.046**	**0.17**	87-86-5	Pentachlorophenol	0.23	U
1912-24-9	Atrazine	0.046	U	**85-01-8**	**Phenanthrene**	**0.046**	**0.13**
100-52-7	Benzaldehyde	0.046	U	108-95-2	Phenol	0.046	U
56-55-3	**Benzo[a]anthracene**	**0.046**	**0.44**	**129-00-0**	**Pyrene**	**0.046**	**0.84**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

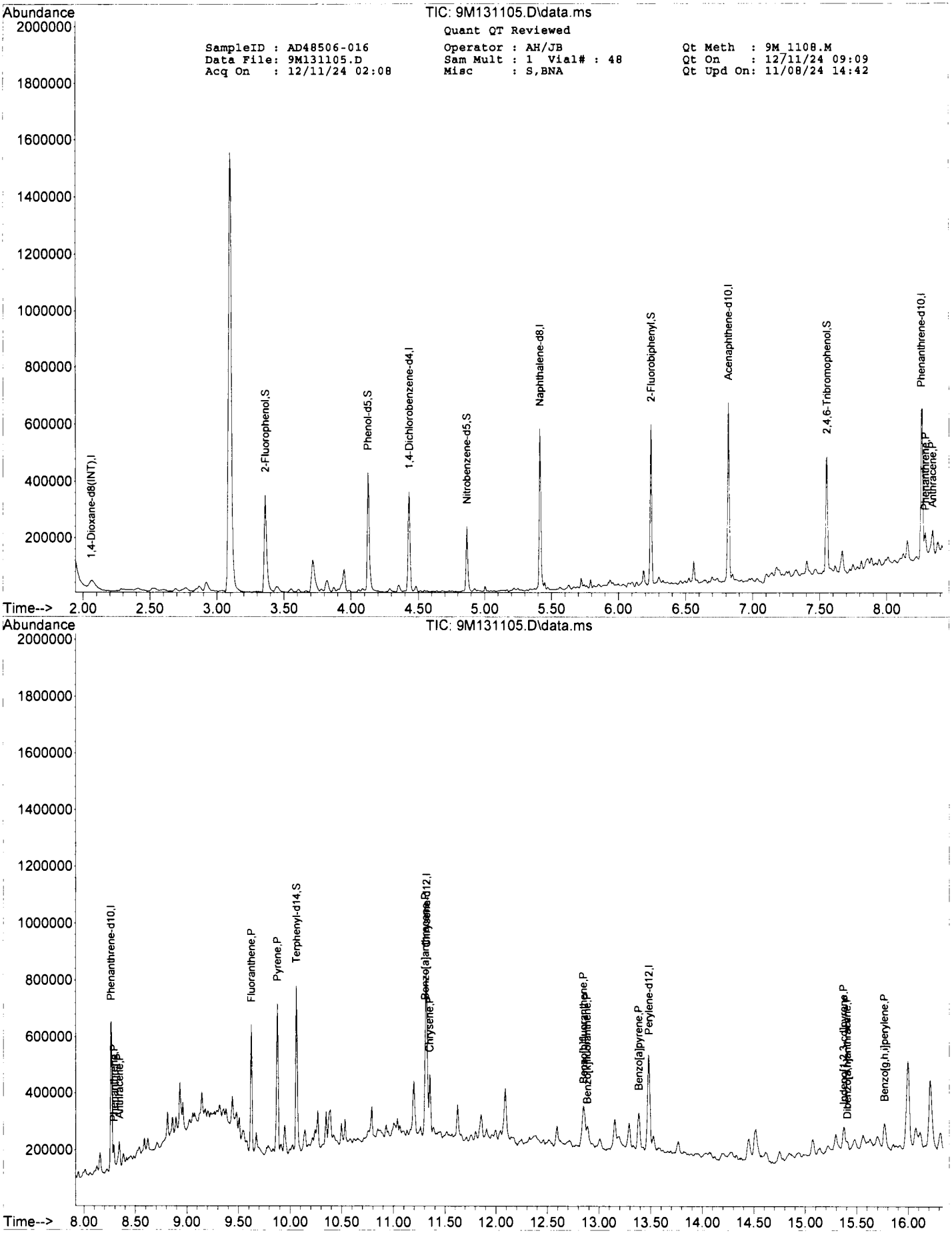
Quantitation Report (QT Reviewed)

SampleID : AD48506-016 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131105.D Sam Mult : 1 Vial# : 48 Qt On : 12/11/24 09:09
Acq On : 12/11/24 02:08 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	35822	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	63369	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	236526	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	134467	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	226267	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	206779	40.00	ng	-0.04
102) Perylene-d12	13.483	264	211012	40.00	ng	-0.05
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	138456	72.11	ng	-0.03
Spiked Amount 100.000			Recovery = 72.11%			
16) Phenol-d5	4.125	99	174593	69.23	ng	-0.03
Spiked Amount 100.000			Recovery = 69.23%			
32) Nitrobenzene-d5	4.866	128	37689	39.64	ng	-0.04
Spiked Amount 50.000			Recovery = 79.28%			
55) 2-Fluorobiphenyl	6.243	172	167992	39.95	ng	-0.04
Spiked Amount 50.000			Recovery = 79.90%			
79) 2,4,6-Tribromophenol	7.554	330	62634	109.31	ng	-0.04
Spiked Amount 100.000			Recovery = 109.31%			
93) Terphenyl-d14	10.060	244	201835	46.14	ng	-0.04
Spiked Amount 50.000			Recovery = 92.28%			
Target Compounds						Qvalue
85) Phenanthrene	8.290	178	32009m	5.7342	ng	
86) Anthracene	8.342	178	40601m	7.2351	ng	
89) Fluoranthene	9.625	202	172995m	28.8776	ng	
91) Pyrene	9.878	202	238888m	36.7666	ng	
99) Benzo[a]anthracene	11.307	228	118432m	19.4728	ng	
100) Chrysene	11.348	228	107769m	18.7698	ng	
104) Benzo[b]fluoranthene	12.848	252	108190m	17.8600	ng	
105) Benzo[k]fluoranthene	12.883	252	40288m	6.2743	ng	
106) Benzo[a]pyrene	13.383	252	86865m	15.2321	ng	
107) Indeno[1,2,3-cd]pyrene	15.371	276	48416m	9.4391	ng	
108) Dibenzo[a,h]anthracene	15.407	278	12421m	2.3836	ng	
109) Benzo[g,h,i]perylene	15.765	276	45855m	8.8618	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131105.D\data.ms
Quant QT Reviewed
SampleID : AD48506-016
Data File: 9M131105.D
Acq On : 12/11/24 02:08
Operator : AH/JB
Sam Mult : 1 Vial# : 48
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/11/24 09:09
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Anthracene,P
Time-->

Abundance
TIC: 9M131105.D\data.ms
Phenanthrene-d10,I
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene,P
Benzo[a]pyrene,P
Perylene-d12,I
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-018(10X)
Client Id: SB-19-9.5-10.0'
Data File: 9M131113.D
Analysis Date: 12/11/24 05:03
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 10
Solids: 75

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.44	U	**50-32-8**	**Benzo[a]pyrene**	**0.44**	**0.49**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.44	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.44**	**0.80**
123-91-1	1,4-Dioxane	0.44	U	191-24-2	Benzo[g,h,i]perylene	0.44	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.44	U	207-08-9	Benzo[k]fluoranthene	0.44	U
95-95-4	2,4,5-Trichlorophenol	0.44	U	111-91-1	bis(2-Chloroethoxy)methan	0.44	U
88-06-2	2,4,6-Trichlorophenol	0.44	U	111-44-4	bis(2-Chloroethyl)ether	0.17	U
120-83-2	2,4-Dichlorophenol	0.44	U	108-60-1	bis(2-chloroisopropyl)ether	0.44	U
105-67-9	2,4-Dimethylphenol	0.44	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.44	U
51-28-5	2,4-Dinitrophenol	2.2	U	85-68-7	Butylbenzylphthalate	0.44	U
121-14-2	2,4-Dinitrotoluene	0.44	U	105-60-2	Caprolactam	0.44	U
606-20-2	2,6-Dinitrotoluene	0.44	U	86-74-8	Carbazole	0.44	U
91-58-7	2-Chloronaphthalene	0.44	U	**218-01-9**	**Chrysene**	**0.44**	**0.96**
95-57-8	2-Chlorophenol	0.44	U	53-70-3	Dibenzo[a,h]anthracene	0.44	U
91-57-6	**2-Methylnaphthalene**	**0.44**	**2.4**	**132-64-9**	**Dibenzofuran**	**0.44**	**1.1**
95-48-7	2-Methylphenol	0.44	U	84-66-2	Diethylphthalate	0.44	U
88-74-4	2-Nitroaniline	0.44	U	131-11-3	Dimethylphthalate	0.44	U
88-75-5	2-Nitrophenol	0.44	U	84-74-2	Di-n-butylphthalate	2.2	U
106-44-5	3&4-Methylphenol	0.44	U	117-84-0	Di-n-octylphthalate	0.44	U
91-94-1	3,3'-Dichlorobenzidine	0.44	U	**206-44-0**	**Fluoranthene**	**0.44**	**1.0**
99-09-2	3-Nitroaniline	0.44	U	**86-73-7**	**Fluorene**	**0.44**	**1.4**
534-52-1	4,6-Dinitro-2-methylphenol	2.2	U	118-74-1	Hexachlorobenzene	0.44	U
101-55-3	4-Bromophenyl-phenylether	0.44	U	87-68-3	Hexachlorobutadiene	0.44	U
59-50-7	4-Chloro-3-methylphenol	0.44	U	77-47-4	Hexachlorocyclopentadiene	2.2	U
106-47-8	4-Chloroaniline	0.44	U	67-72-1	Hexachloroethane	0.44	U
7005-72-3	4-Chlorophenyl-phenylether	0.44	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.44	U
100-01-6	4-Nitroaniline	0.44	U	78-59-1	Isophorone	0.44	U
100-02-7	4-Nitrophenol	0.44	U	**91-20-3**	**Naphthalene**	**0.44**	**0.62**
83-32-9	**Acenaphthene**	**0.44**	**1.1**	98-95-3	Nitrobenzene	0.44	U
208-96-8	Acenaphthylene	0.44	U	621-64-7	N-Nitroso-di-n-propylamine	0.44	U
98-86-2	Acetophenone	0.44	U	86-30-6	n-Nitrosodiphenylamine	0.44	U
120-12-7	Anthracene	0.44	U	87-86-5	Pentachlorophenol	2.2	U
1912-24-9	Atrazine	0.44	U	**85-01-8**	**Phenanthrene**	**0.44**	**2.8**
100-52-7	Benzaldehyde	0.44	U	108-95-2	Phenol	0.44	U
56-55-3	**Benzo[a]anthracene**	**0.44**	**0.53**	**129-00-0**	**Pyrene**	**0.44**	**0.77**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

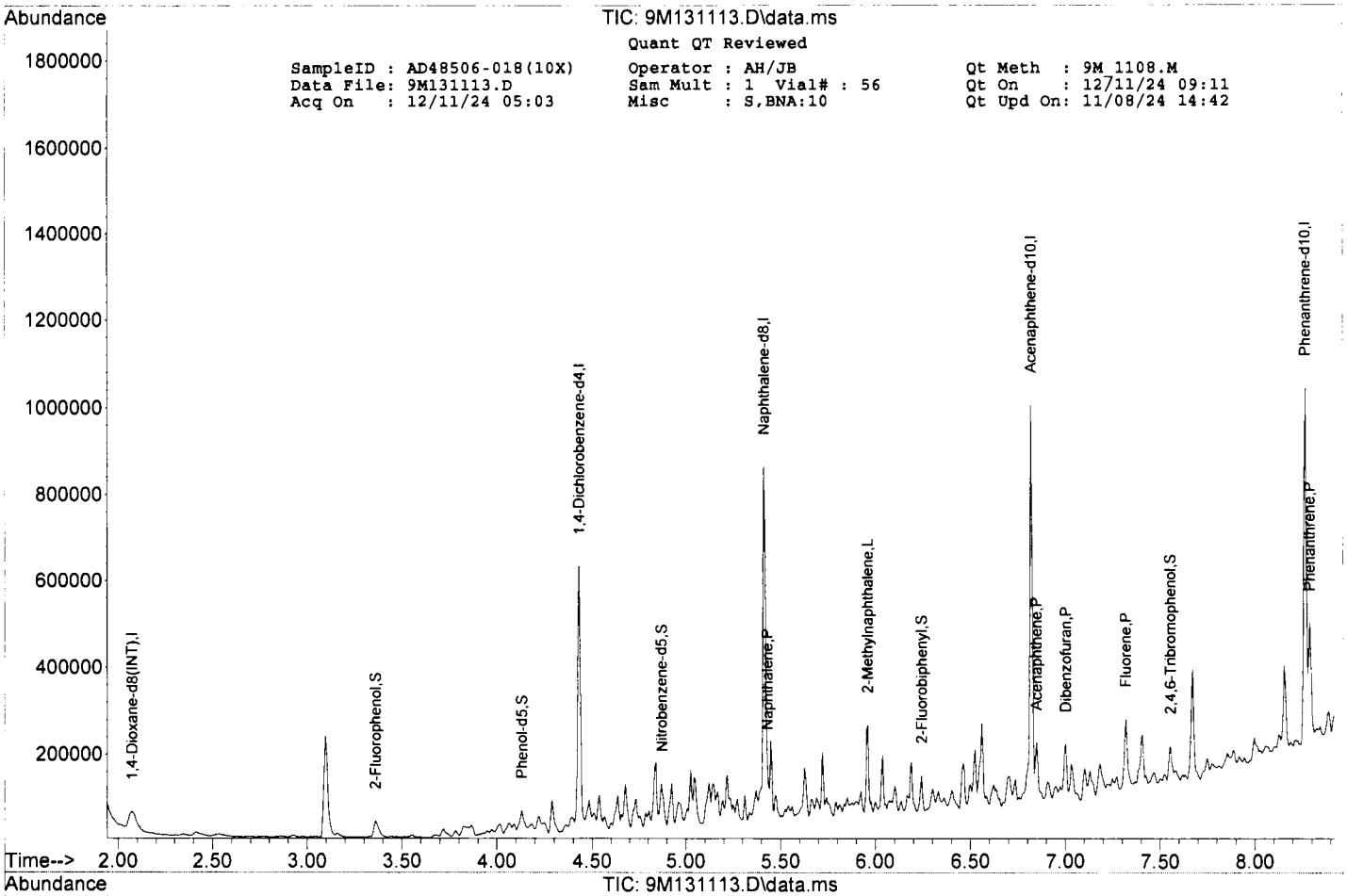
Quantitation Report (QT Reviewed)

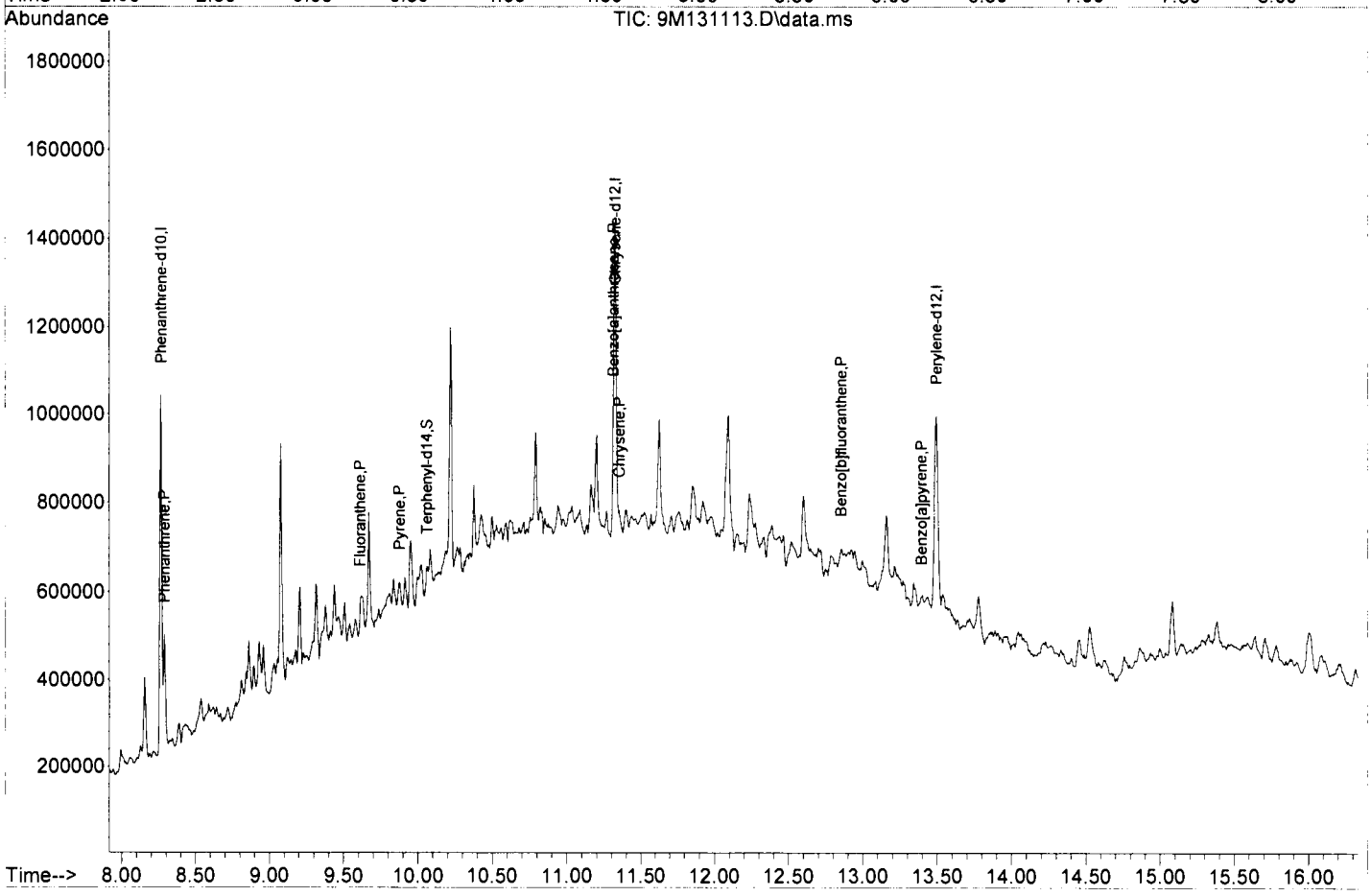
SampleID : AD48506-018(10X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131113.D Sam Mult : 1 Vial# : 56 Qt On : 12/11/24 09:11
Acq On : 12/11/24 05:03 Misc : S,BNA:10 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.072	96	54692	40.00	ng	-0.04
21) 1,4-Dichlorobenzene-d4	4.431	152	96445	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	341502	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	194179	40.00	ng	-0.04
76) Phenanthrene-d10	8.266	188	322031	40.00	ng	-0.04
90) Chrysene-d12	11.325	240	278469	40.00	ng	-0.04
102) Perylene-d12	13.495	264	283349	40.00	ng	-0.04
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	19335	6.60	ng	-0.03
Spiked Amount 100.000			Recovery = 6.60%			
16) Phenol-d5	4.131	99	25450	6.61	ng	-0.02
Spiked Amount 100.000			Recovery = 6.61%			
32) Nitrobenzene-d5	4.872	128	5714	4.16	ng	-0.03
Spiked Amount 50.000			Recovery = 8.32%			
55) 2-Fluorobiphenyl	6.243	172	24476	4.03	ng	-0.04
Spiked Amount 50.000			Recovery = 8.06%			
79) 2,4,6-Tribromophenol	7.554	330	8651	10.61	ng	-0.04
Spiked Amount 100.000			Recovery = 10.61%			
93) Terphenyl-d14	10.060	244	27993	4.75	ng	-0.04
Spiked Amount 50.000			Recovery = 9.50%			
Target Compounds						Qvalue
41) Naphthalene	5.431	128	23665m	2.7784	ng	
46) 2-Methylnaphthalene	5.960	142	60336m	10.6816	ng	
64) Acenaphthene	6.848	153	25776m	4.7491	ng	
67) Dibenzofuran	7.001	168	35089	4.9160	ng	83
71) Fluorene	7.319	166	37245m	6.2428	ng	
85) Phenanthrene	8.290	178	101382	12.7611	ng	98
89) Fluoranthene	9.613	202	38384m	4.5020	ng	
91) Pyrene	9.878	202	30336m	3.4669	ng	
99) Benzo[a]anthracene	11.313	228	19652m	2.3994	ng	
100) Chrysene	11.354	228	33487m	4.3308	ng	
104) Benzo[b]fluoranthene	12.854	252	29378m	3.6116	ng	
106) Benzo[a]pyrene	13.395	252	16807m	2.1948	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131113.D\data.ms
Quant QT Reviewed
SampleID : AD48506-018(10X)
Data File: 9M131113.D
Acq On : 12/11/24 05:03
Operator : AH/JB
Sam Mult : 1 Vial# : 56
Misc : S,BNA:10
Qt Meth : 9M_1108.M
Qt On : 12/11/24 09:11
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
Naphthalene,P
2-Methylnaphthalene,L
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Acenaphthene,P
Dibenzofuran,P
Fluorene,P
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M131113.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[b]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-019
Client Id: SB-14-9.5-10.0'
Data File: 9M131106.D
Analysis Date: 12/11/24 02:30
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.039	U	**50-32-8**	**Benzo[a]pyrene**	**0.039**	**0.20**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.039	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.039**	**0.26**
123-91-1	1,4-Dioxane	0.039	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.039**	**0.13**
58-90-2	2,3,4,6-Tetrachlorophenol	0.039	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.039**	**0.092**
95-95-4	2,4,5-Trichlorophenol	0.039	U	111-91-1	bis(2-Chloroethoxy)methan	0.039	U
88-06-2	2,4,6-Trichlorophenol	0.039	U	111-44-4	bis(2-Chloroethyl)ether	0.015	U
120-83-2	2,4-Dichlorophenol	0.039	U	108-60-1	bis(2-chloroisopropyl)ether	0.039	U
105-67-9	2,4-Dimethylphenol	0.039	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.039	U
51-28-5	2,4-Dinitrophenol	0.19	U	85-68-7	Butylbenzylphthalate	0.039	U
121-14-2	2,4-Dinitrotoluene	0.039	U	105-60-2	Caprolactam	0.039	U
606-20-2	2,6-Dinitrotoluene	0.039	U	86-74-8	Carbazole	0.039	U
91-58-7	2-Chloronaphthalene	0.039	U	**218-01-9**	**Chrysene**	**0.039**	**0.19**
95-57-8	2-Chlorophenol	0.039	U	53-70-3	Dibenzo[a,h]anthracene	0.039	U
91-57-6	2-Methylnaphthalene	0.039	U	132-64-9	Dibenzofuran	0.039	U
95-48-7	2-Methylphenol	0.039	U	84-66-2	Diethylphthalate	0.039	U
88-74-4	2-Nitroaniline	0.039	U	131-11-3	Dimethylphthalate	0.039	U
88-75-5	2-Nitrophenol	0.039	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	0.039	U	117-84-0	Di-n-octylphthalate	0.039	U
91-94-1	3,3'-Dichlorobenzidine	0.039	U	**206-44-0**	**Fluoranthene**	**0.039**	**0.33**
99-09-2	3-Nitroaniline	0.039	U	86-73-7	Fluorene	0.039	U
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.039	U
101-55-3	4-Bromophenyl-phenylether	0.039	U	87-68-3	Hexachlorobutadiene	0.039	U
59-50-7	4-Chloro-3-methylphenol	0.039	U	77-47-4	Hexachlorocyclopentadiene	0.19	U
106-47-8	4-Chloroaniline	0.039	U	67-72-1	Hexachloroethane	0.039	U
7005-72-3	4-Chlorophenyl-phenylether	0.039	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.039**	**0.15**
100-01-6	4-Nitroaniline	0.039	U	78-59-1	Isophorone	0.039	U
100-02-7	4-Nitrophenol	0.039	U	**91-20-3**	**Naphthalene**	**0.039**	**0.059**
83-32-9	Acenaphthene	0.039	U	98-95-3	Nitrobenzene	0.039	U
208-96-8	Acenaphthylene	0.039	U	621-64-7	N-Nitroso-di-n-propylamine	0.039	U
98-86-2	Acetophenone	0.039	U	86-30-6	n-Nitrosodiphenylamine	0.039	U
120-12-7	**Anthracene**	**0.039**	**0.047**	87-86-5	Pentachlorophenol	0.19	U
1912-24-9	Atrazine	0.039	U	**85-01-8**	**Phenanthrene**	**0.039**	**0.16**
100-52-7	Benzaldehyde	0.039	U	108-95-2	Phenol	0.039	U
56-55-3	**Benzo[a]anthracene**	**0.039**	**0.19**	**129-00-0**	**Pyrene**	**0.039**	**0.30**

Worksheet #: 764930

Total Target Concentration 2.1

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

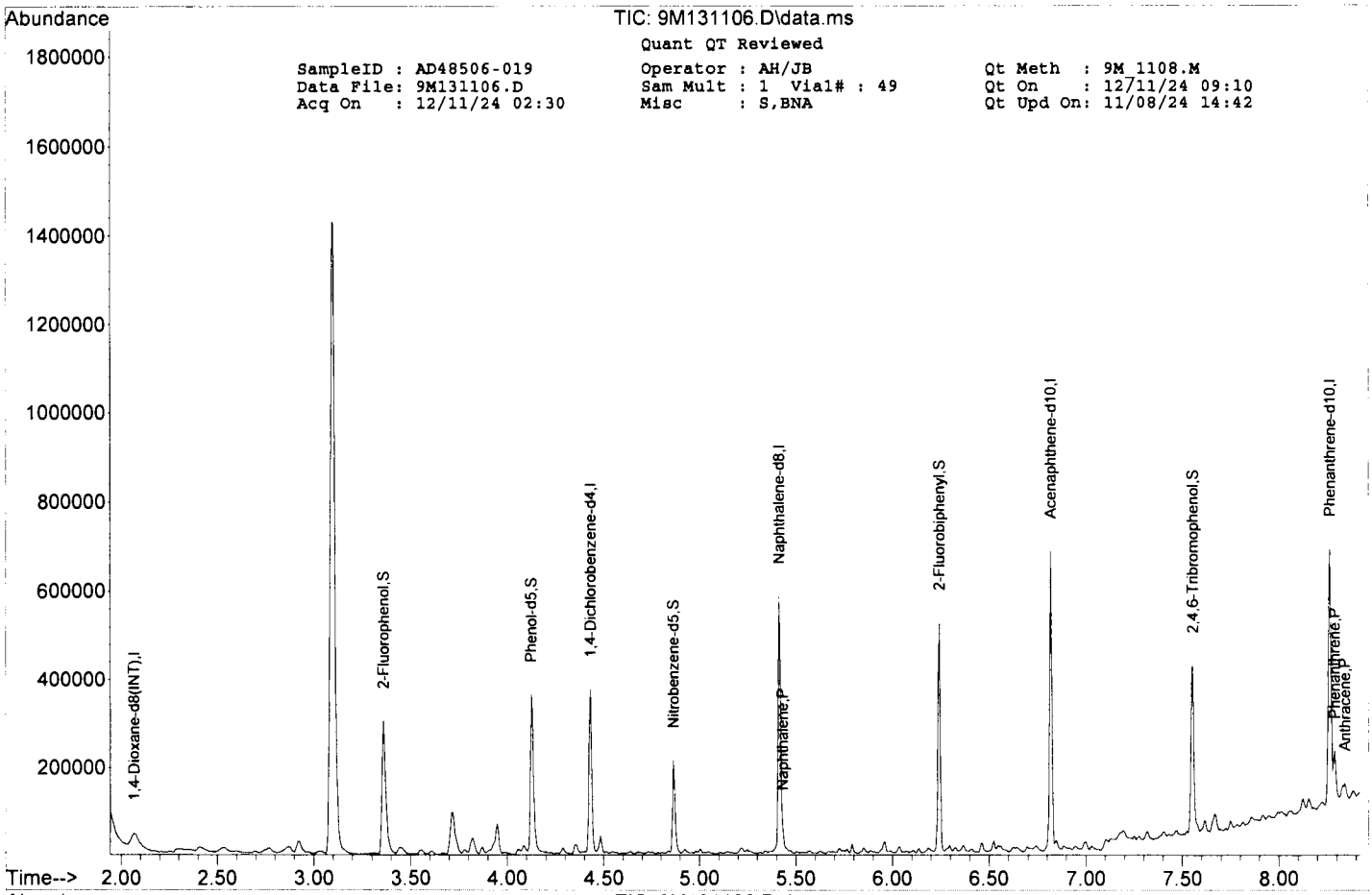
Quantitation Report (QT Reviewed)

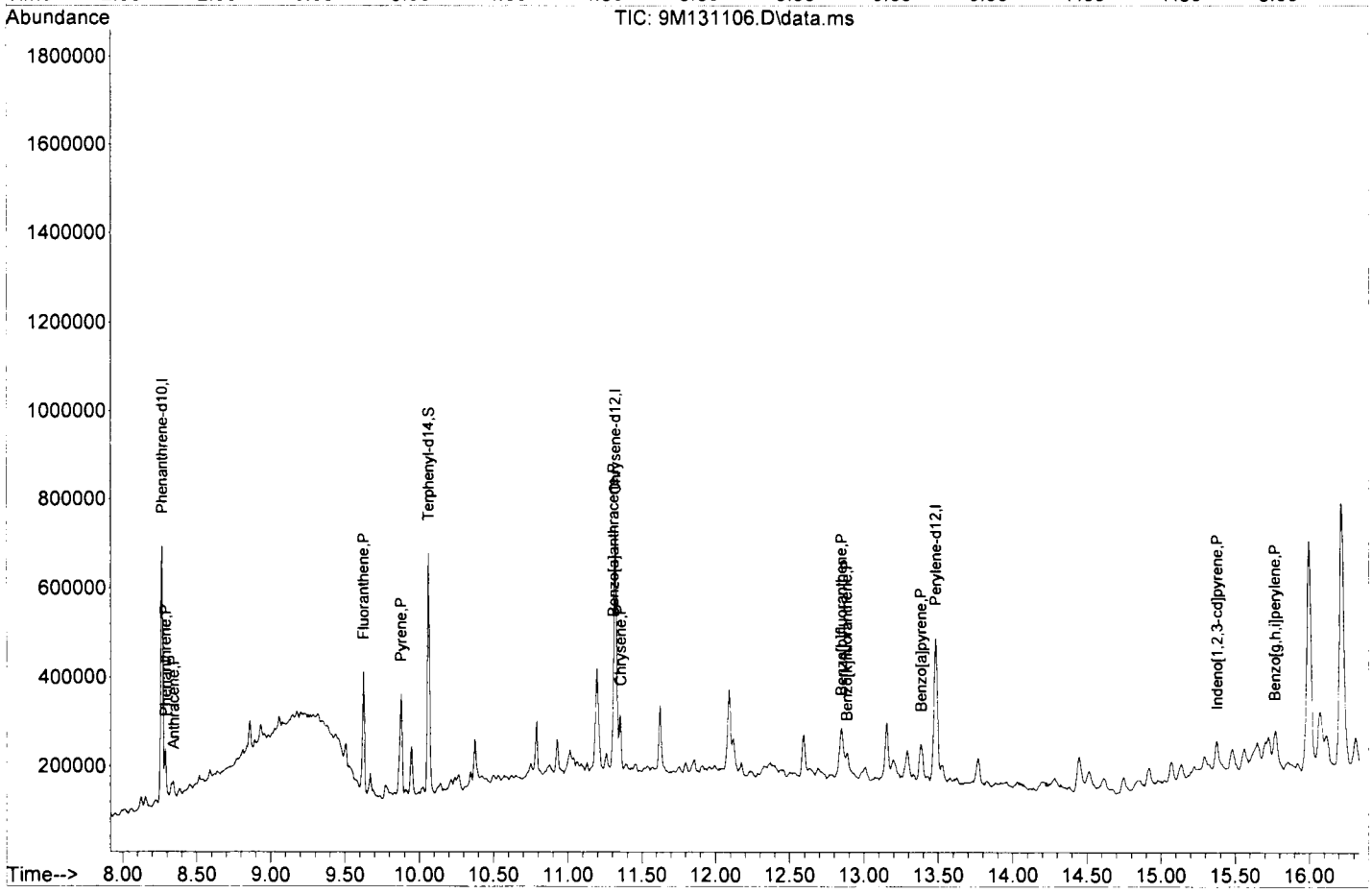
SampleID : AD48506-019 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131106.D Sam Mult : 1 Vial# : 49 Qt On : 12/11/24 09:10
Acq On : 12/11/24 02:30 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	39335	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	65641	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	246016	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	141714	40.00	ng	-0.04
76) Phenanthrene-d10	8.266	188	236964	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	210106	40.00	ng	-0.04
102) Perylene-d12	13.483	264	210791	40.00	ng	-0.05
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	126322	59.91	ng	-0.03
Spiked Amount 100.000			Recovery = 59.91%			
16) Phenol-d5	4.125	99	154594	55.82	ng	-0.03
Spiked Amount 100.000			Recovery = 55.82%			
32) Nitrobenzene-d5	4.866	128	33282	33.65	ng	-0.04
Spiked Amount 50.000			Recovery = 67.30%			
55) 2-Fluorobiphenyl	6.243	172	149218	33.67	ng	-0.04
Spiked Amount 50.000			Recovery = 67.34%			
79) 2,4,6-Tribromophenol	7.554	330	58367	97.27	ng	-0.04
Spiked Amount 100.000			Recovery = 97.27%			
93) Terphenyl-d14	10.060	244	179280	40.33	ng	-0.04
Spiked Amount 50.000			Recovery = 80.66%			
Target Compounds						Qvalue
41) Naphthalene	5.431	128	18696m	3.0469	ng	
85) Phenanthrene	8.289	178	48495m	8.2954	ng	
86) Anthracene	8.342	178	14329m	2.4382	ng	
89) Fluoranthene	9.625	202	106914	17.0412	ng	92
91) Pyrene	9.878	202	102759	15.5649	ng	89
99) Benzo[a]anthracene	11.307	228	60887m	9.8526	ng	
100) Chrysene	11.354	228	58353m	10.0022	ng	
104) Benzo[b]fluoranthene	12.848	252	81417m	13.4544	ng	
105) Benzo[k]fluoranthene	12.883	252	30418m	4.7421	ng	
106) Benzo[a]pyrene	13.383	252	57346	10.0664	ng	91
107) Indeno[1,2,3-cd]pyrene	15.377	276	38793m	7.5710	ng	
109) Benzo[g,h,i]perylene	15.765	276	35651m	6.8970	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131106.D\data.ms
Quant QT Reviewed
SampleID : AD48506-019
Data File: 9M131106.D
Acq On : 12/11/24 02:30
Operator : AH/JB
Sam Mult : 1 Vial# : 49
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/11/24 09:10
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
Naphthalene,P
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Anthracene,P
Time-->


Abundance
TIC: 9M131106.D\data.ms
Phenanthrene-d10,I
Anthracene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48506-020
Client Id: SB-08-9.5-10.0'
Data File: 9M131107.D
Analysis Date: 12/11/24 02:52
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.038	U	**50-32-8**	**Benzo[a]pyrene**	**0.038**	**0.43**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.038	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.038**	**0.59**
123-91-1	1,4-Dioxane	0.038	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.038**	**0.30**
58-90-2	2,3,4,6-Tetrachlorophenol	0.038	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.038**	**0.18**
95-95-4	2,4,5-Trichlorophenol	0.038	U	111-91-1	bis(2-Chloroethoxy)methan	0.038	U
88-06-2	2,4,6-Trichlorophenol	0.038	U	111-44-4	bis(2-Chloroethyl)ether	0.014	U
120-83-2	2,4-Dichlorophenol	0.038	U	108-60-1	bis(2-chloroisopropyl)ether	0.038	U
105-67-9	2,4-Dimethylphenol	0.038	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.038	U
51-28-5	2,4-Dinitrophenol	0.19	U	85-68-7	Butylbenzylphthalate	0.038	U
121-14-2	2,4-Dinitrotoluene	0.038	U	105-60-2	Caprolactam	0.038	U
606-20-2	2,6-Dinitrotoluene	0.038	U	**86-74-8**	**Carbazole**	**0.038**	**0.055**
91-58-7	2-Chloronaphthalene	0.038	U	**218-01-9**	**Chrysene**	**0.038**	**0.43**
95-57-8	2-Chlorophenol	0.038	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.038**	**0.079**
91-57-6	2-Methylnaphthalene	0.038	U	132-64-9	Dibenzofuran	0.038	U
95-48-7	2-Methylphenol	0.038	U	84-66-2	Diethylphthalate	0.038	U
88-74-4	2-Nitroaniline	0.038	U	131-11-3	Dimethylphthalate	0.038	U
88-75-5	2-Nitrophenol	0.038	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	0.038	U	117-84-0	Di-n-octylphthalate	0.038	U
91-94-1	3,3'-Dichlorobenzidine	0.038	U	**206-44-0**	**Fluoranthene**	**0.038**	**0.81**
99-09-2	3-Nitroaniline	0.038	U	**86-73-7**	**Fluorene**	**0.038**	**0.054**
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.038	U
101-55-3	4-Bromophenyl-phenylether	0.038	U	87-68-3	Hexachlorobutadiene	0.038	U
59-50-7	4-Chloro-3-methylphenol	0.038	U	77-47-4	Hexachlorocyclopentadiene	0.19	U
106-47-8	4-Chloroaniline	0.038	U	67-72-1	Hexachloroethane	0.038	U
7005-72-3	4-Chlorophenyl-phenylether	0.038	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.038**	**0.34**
100-01-6	4-Nitroaniline	0.038	U	78-59-1	Isophorone	0.038	U
100-02-7	4-Nitrophenol	0.038	U	**91-20-3**	**Naphthalene**	**0.038**	**0.053**
83-32-9	**Acenaphthene**	**0.038**	**0.049**	98-95-3	Nitrobenzene	0.038	U
208-96-8	Acenaphthylene	0.038	U	621-64-7	N-Nitroso-di-n-propylamine	0.038	U
98-86-2	Acetophenone	0.038	U	86-30-6	n-Nitrosodiphenylamine	0.038	U
120-12-7	**Anthracene**	**0.038**	**0.11**	87-86-5	Pentachlorophenol	0.19	U
1912-24-9	Atrazine	0.038	U	**85-01-8**	**Phenanthrene**	**0.038**	**0.52**
100-52-7	Benzaldehyde	0.038	U	108-95-2	Phenol	0.038	U
56-55-3	**Benzo[a]anthracene**	**0.038**	**0.41**	**129-00-0**	**Pyrene**	**0.038**	**0.73**

Worksheet #: 764930

Total Target Concentration 5.1

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

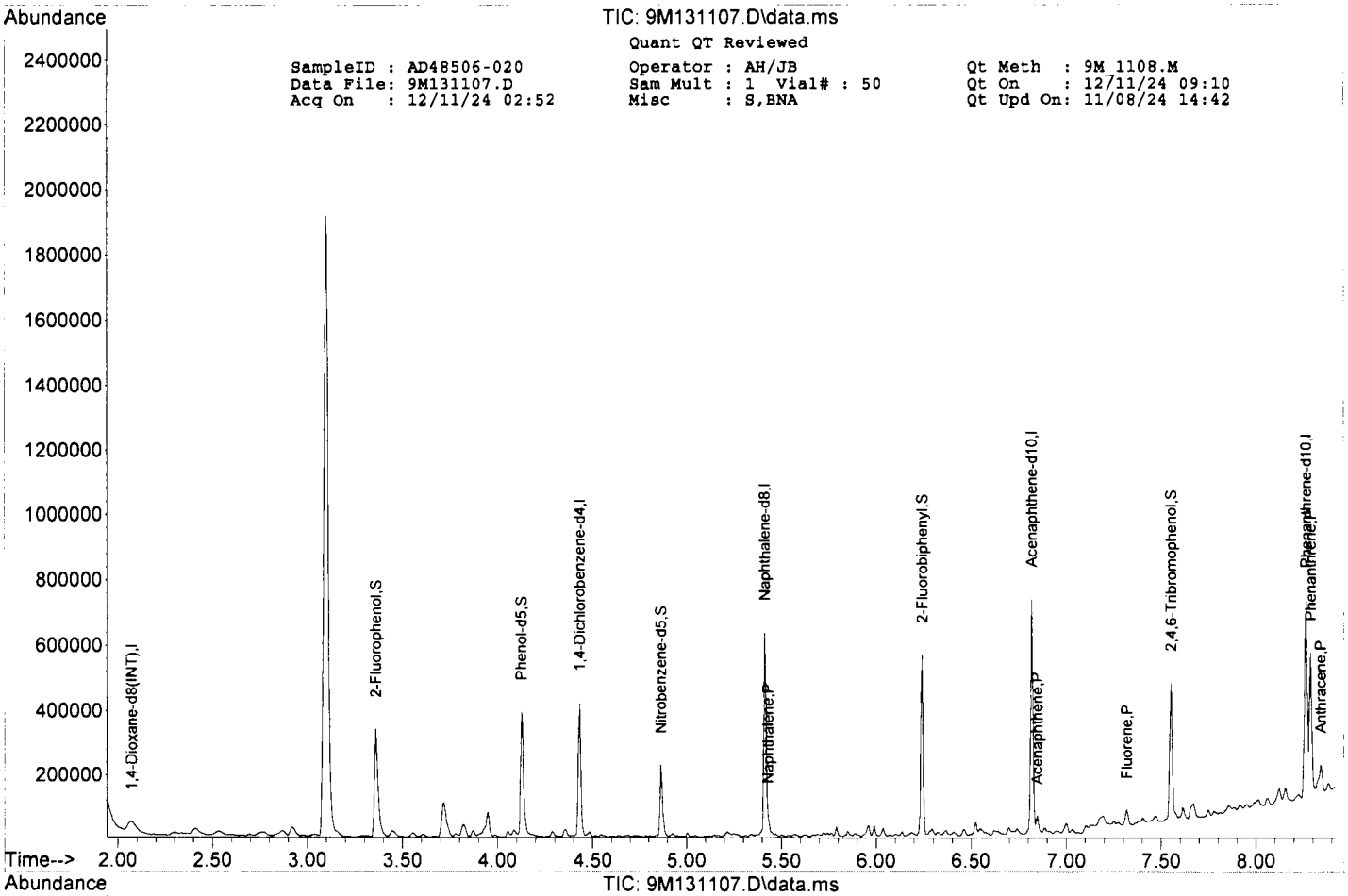
Quantitation Report (QT Reviewed)

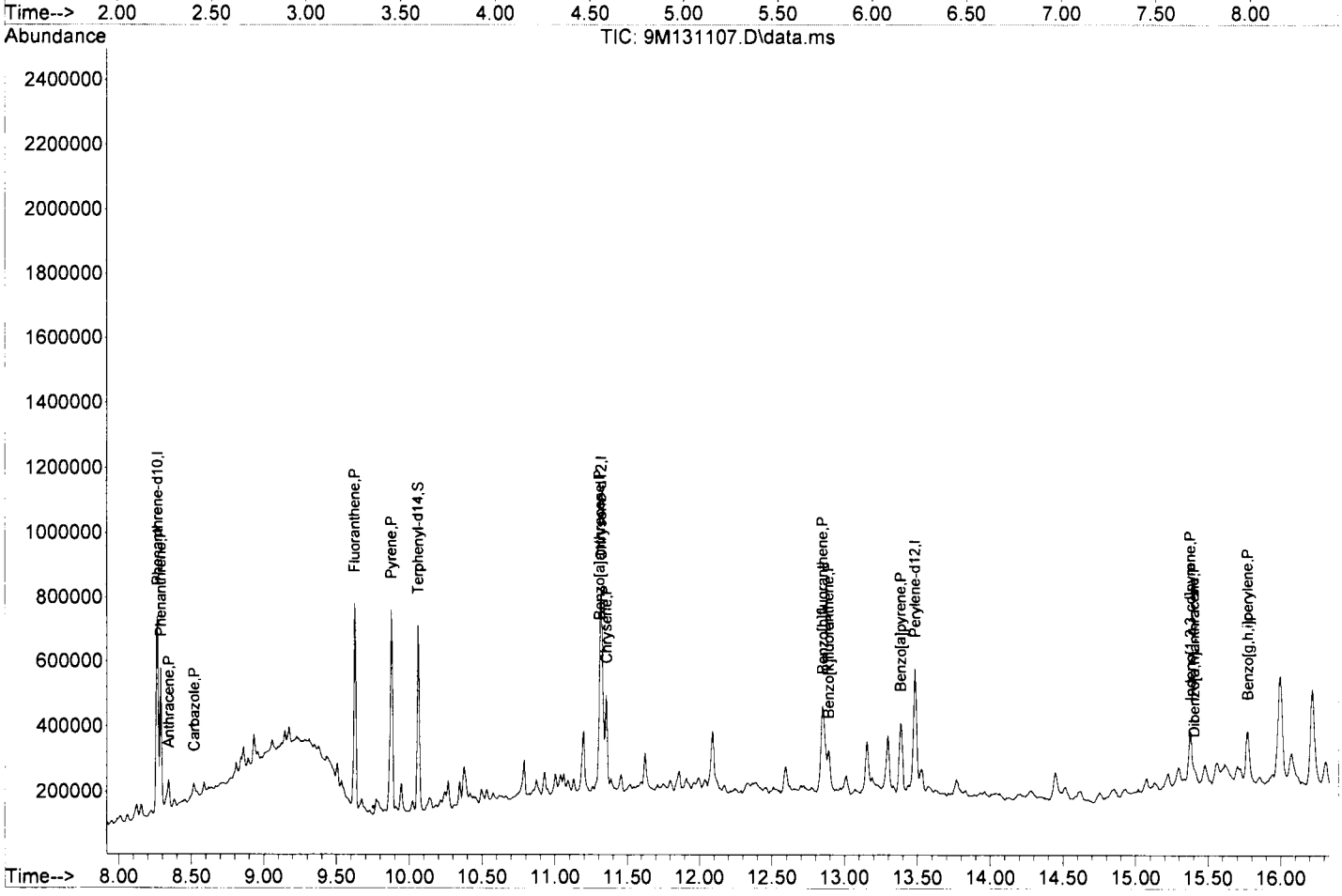
SampleID : AD48506-020 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131107.D Sam Mult : 1 Vial# : 50 Qt On : 12/11/24 09:10
Acq On : 12/11/24 02:52 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.072	96	41134	40.00	ng	-0.04
21) 1,4-Dichlorobenzene-d4	4.431	152	71077	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	267013	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	150393	40.00	ng	-0.04
76) Phenanthrene-d10	8.266	188	256734	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	222724	40.00	ng	-0.04
102) Perylene-d12	13.483	264	231074	40.00	ng	-0.05
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	135090	61.27	ng	-0.03
Spiked Amount 100.000			Recovery = 61.27%			
16) Phenol-d5	4.125	99	168365	58.14	ng	-0.03
Spiked Amount 100.000			Recovery = 58.14%			
32) Nitrobenzene-d5	4.866	128	37423	34.87	ng	-0.04
Spiked Amount 50.000			Recovery = 69.74%			
55) 2-Fluorobiphenyl	6.242	172	162669	34.59	ng	-0.04
Spiked Amount 50.000			Recovery = 69.18%			
79) 2,4,6-Tribromophenol	7.554	330	61411	94.46	ng	-0.04
Spiked Amount 100.000			Recovery = 94.46%			
93) Terphenyl-d14	10.060	244	189606	40.24	ng	-0.04
Spiked Amount 50.000			Recovery = 80.48%			
Target Compounds						Qvalue
41) Naphthalene	5.431	128	18616	2.7953	ng	96
64) Acenaphthene	6.848	153	10893m	2.5913	ng	
71) Fluorene	7.319	166	13224m	2.8619	ng	
85) Phenanthrene	8.289	178	173416	27.3797	ng	99
86) Anthracene	8.342	178	37705m	5.9217	ng	
87) Carbazole	8.519	167	16822	2.9043	ng	95
89) Fluoranthene	9.625	202	289752	42.6277	ng	95
91) Pyrene	9.878	202	271132	38.7418	ng	91
99) Benzo[a]anthracene	11.307	228	141139m	21.5450	ng	
100) Chrysene	11.354	228	141298m	22.8476	ng	
104) Benzo[b]fluoranthene	12.848	252	207039m	31.2107	ng	
105) Benzo[k]fluoranthene	12.889	252	65581m	9.3266	ng	
106) Benzo[a]pyrene	13.383	252	141724	22.6942	ng	92
107) Indeno[1,2,3-cd]pyrene	15.377	276	100050m	17.8121	ng	
108) Dibenzo[a,h]anthracene	15.401	278	23821m	4.1743	ng	
109) Benzo[g,h,i]perylene	15.771	276	89009m	15.7082	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131107.D\data.ms
Quant QT Reviewed
SampleID : AD48506-020
Data File: 9M131107.D
Acq On : 12/11/24 02:52
Operator : AH/JB
Sam Mult : 1 Vial# : 50
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/11/24 09:10
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
Naphthalene,P
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Acenaphthene,P
Fluorene,P
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Anthracene,P
Time-->


Abundance
TIC: 9M131107.D\data.ms
Phenanthrene-d10,I
Anthracene,P
Carbazole,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene,P
Benzo[b]fluoranthene,P
Benzo[k]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Dibenz[a,h]anthracene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS PCB REPORT

Sample Number: AD48506-001
Client Id: SB-12-0-2.0'
Data File: 2G198195.D
Analysis Date: 12/10/24 12:50
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 85

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.029	U	11097-69-1	Aroclor-1254	0.029	U
11104-28-2	Aroclor-1221	0.029	U	11096-82-5	Aroclor-1260	0.029	U
11141-16-5	Aroclor-1232	0.029	U	**37324-23-5**	**Aroclor-1262**	**0.029**	**0.046**
53469-21-9	Aroclor-1242	0.029	U	11100-14-4	Aroclor-1268	0.029	U
12672-29-6	Aroclor-1248	0.029	U	**1336-36-3**	**Aroclor (Total)**	**0.029**	**0.046**

Worksheet #: 764821

Total Target Concentration 0.046

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 12:50
Operator : AH/PR/KM
Sample : AD48506-001
Misc : S,PCB
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 16:57:43 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

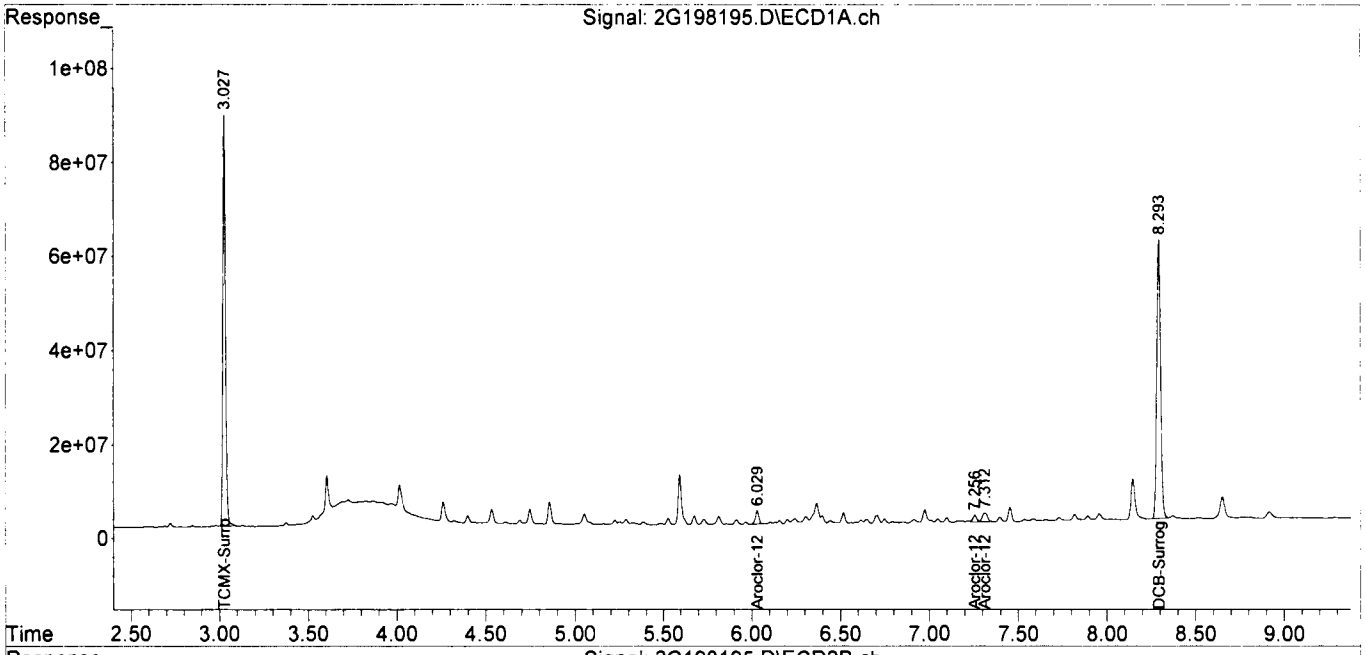
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2	
	Target Compounds							
1)	TCMX-Surrogate	3.027	3.234	909.0E6	1263.7E6	100.335	96.244	
35)	Aroclor-1262 {1}	6.029	6.691	38969560	30124632	110.710m	75.842	#
36)	Aroclor-1262 {2}	7.256	7.695	22018452	36069178	64.113m	78.246	
37)	Aroclor-1262 {3}	7.312	7.784	38697815	33655936	57.509	62.689m	
45)	DCB-Surrogate	8.294	9.110	898.3E6	1242.9E6	124.731	127.461m	

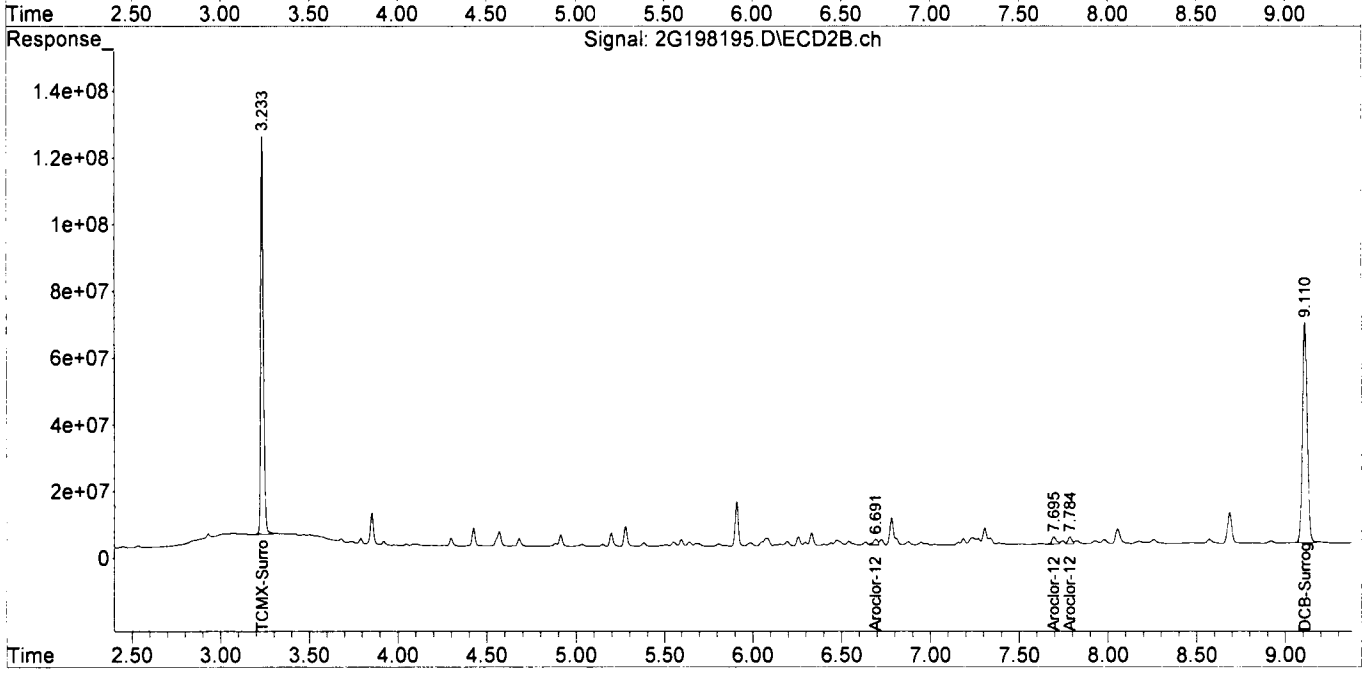
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198195.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 12:50
Operator : AH/PR/KM
Sample : AD48506-001
Misc : S,PCB
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 16:57:43 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-002
Client Id: SB-17-0-2.0'
Data File: 2G198196.D
Analysis Date: 12/10/24 13:02
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.030	U	11097-69-1	Aroclor-1254	0.030	U
11104-28-2	Aroclor-1221	0.030	U	11096-82-5	Aroclor-1260	0.030	U
11141-16-5	Aroclor-1232	0.030	U	37324-23-5	Aroclor-1262	0.030	U
53469-21-9	Aroclor-1242	0.030	U	11100-14-4	Aroclor-1268	0.030	U
12672-29-6	Aroclor-1248	0.030	U	1336-36-3	Aroclor (Total)	0.030	U

Worksheet #: 764785

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 13:02
Operator : AH/PR/KM
Sample : AD48506-002
Misc : S,PCB
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:28:03 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

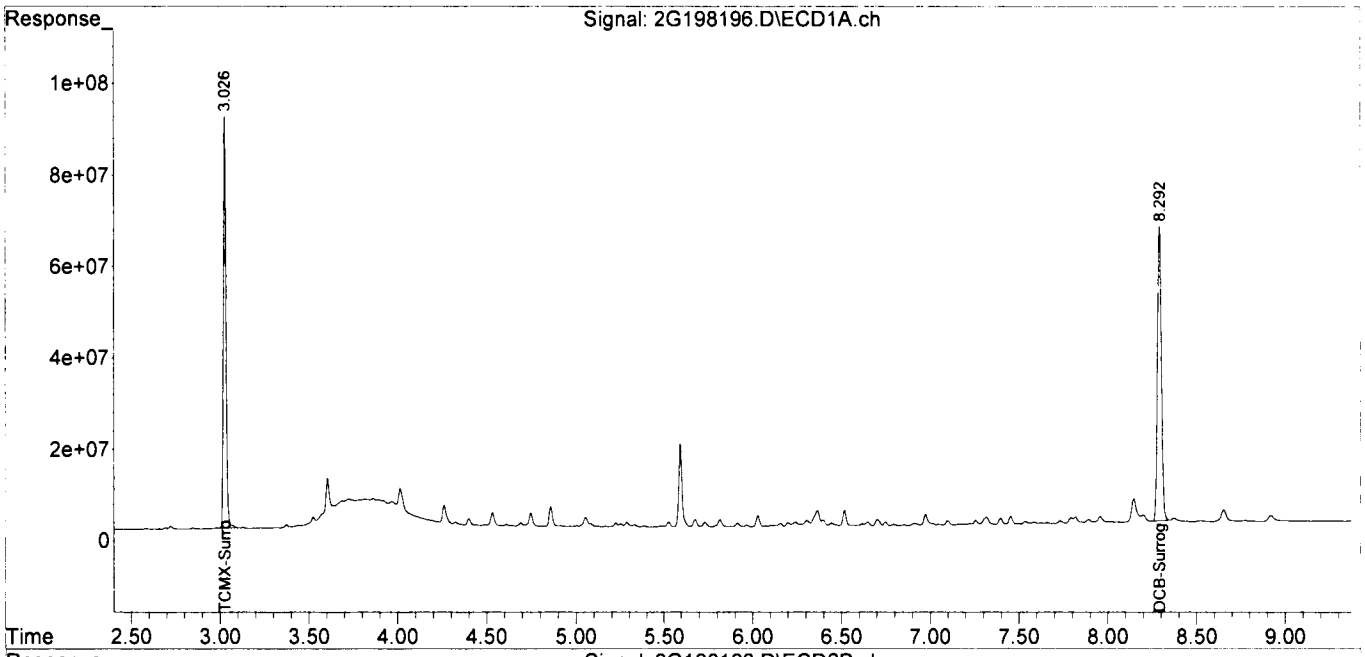
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.027	3.234	932.5E6	1304.6E6	102.926	99.358
45)	DCB-Surrogate	8.293	9.111	1001.5E6	1404.9E6	139.069	144.078

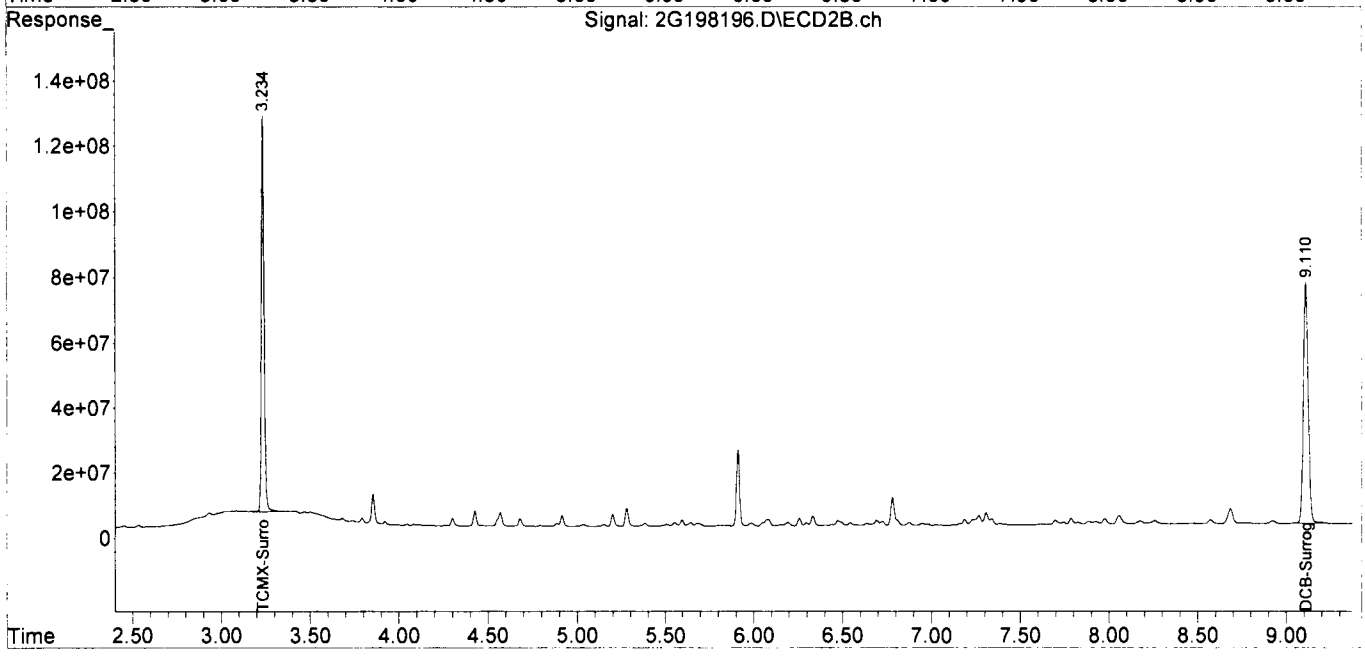
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198196.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 13:02
Operator : AH/PR/KM
Sample : AD48506-002
Misc : S,PCB
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:28:03 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-003
Client Id: SB-11-0-2.0'
Data File: 2G198197.D
Analysis Date: 12/10/24 13:14
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.030	U	11097-69-1	Aroclor-1254	0.030	U
11104-28-2	Aroclor-1221	0.030	U	11096-82-5	Aroclor-1260	0.030	U
11141-16-5	Aroclor-1232	0.030	U	37324-23-5	Aroclor-1262	0.030	U
53469-21-9	Aroclor-1242	0.030	U	11100-14-4	Aroclor-1268	0.030	U
12672-29-6	Aroclor-1248	0.030	U	1336-36-3	Aroclor (Total)	0.030	U

Worksheet #: 764785

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 13:14
Operator : AH/PR/KM
Sample : AD48506-003
Misc : S,PCB
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:28:44 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

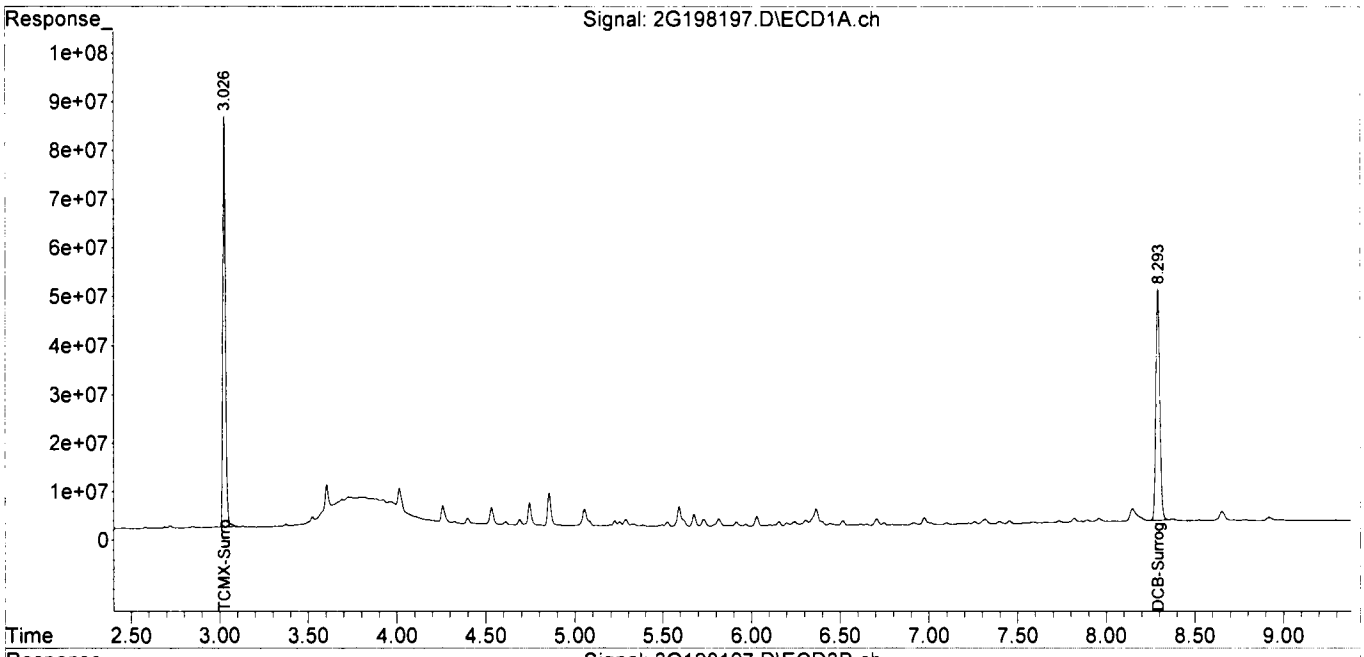
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.026	3.233	876.8E6	1209.1E6	96.776	92.085m
45)	DCB-Surrogate	8.293	9.110	742.7E6	1032.2E6	103.126	105.855

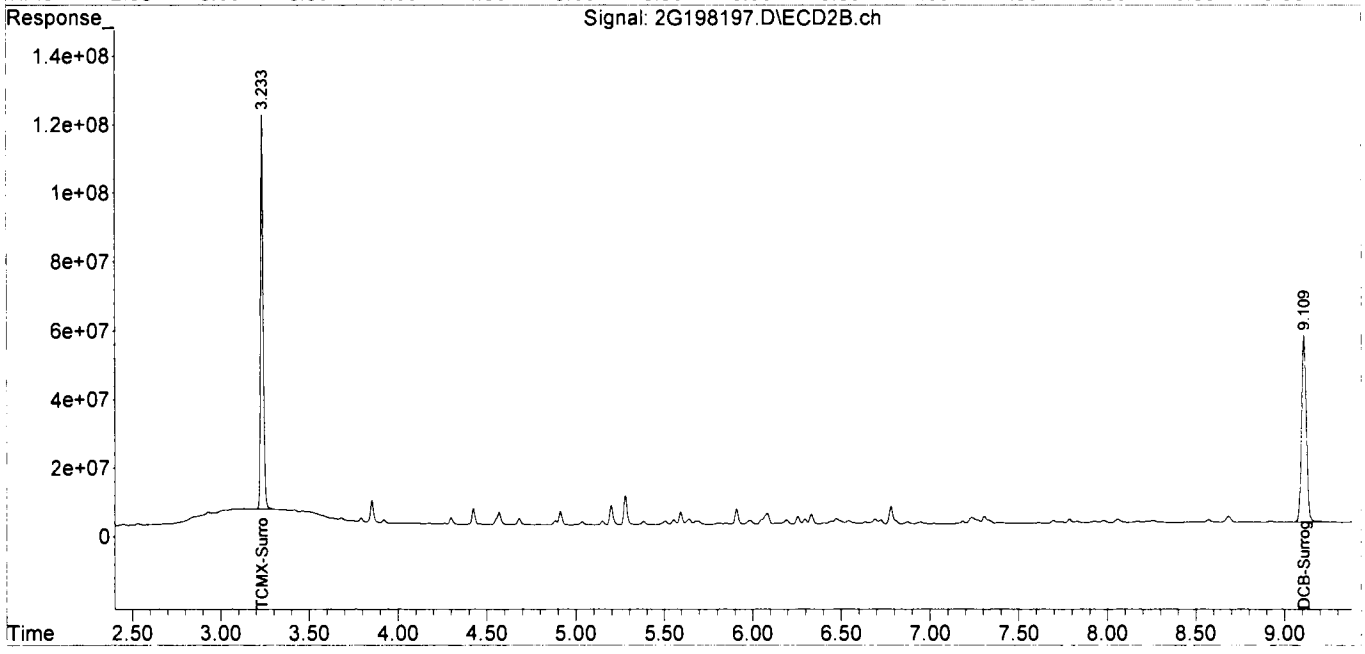
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 13:14
Operator : AH/PR/KM
Sample : AD48506-003
Misc : S,PCB
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:28:44 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-004
Client Id: SB-10-0-2.0'
Data File: 5G1109502.D
Analysis Date: 12/10/24 12:53
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.029	U	11097-69-1	Aroclor-1254	0.029	U
11104-28-2	Aroclor-1221	0.029	U	11096-82-5	Aroclor-1260	0.029	U
11141-16-5	Aroclor-1232	0.029	U	37324-23-5	Aroclor-1262	0.029	U
53469-21-9	Aroclor-1242	0.029	U	11100-14-4	Aroclor-1268	0.029	U
12672-29-6	Aroclor-1248	0.029	U	1336-36-3	Aroclor (Total)	0.029	U

Worksheet #: 764785

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_5\Data\12-10-24\
Data File : 5G1109502.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 12:53:44
Operator : PR/KM/AH
Sample : AD48506-004
Misc : S,PCB
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:32:35 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

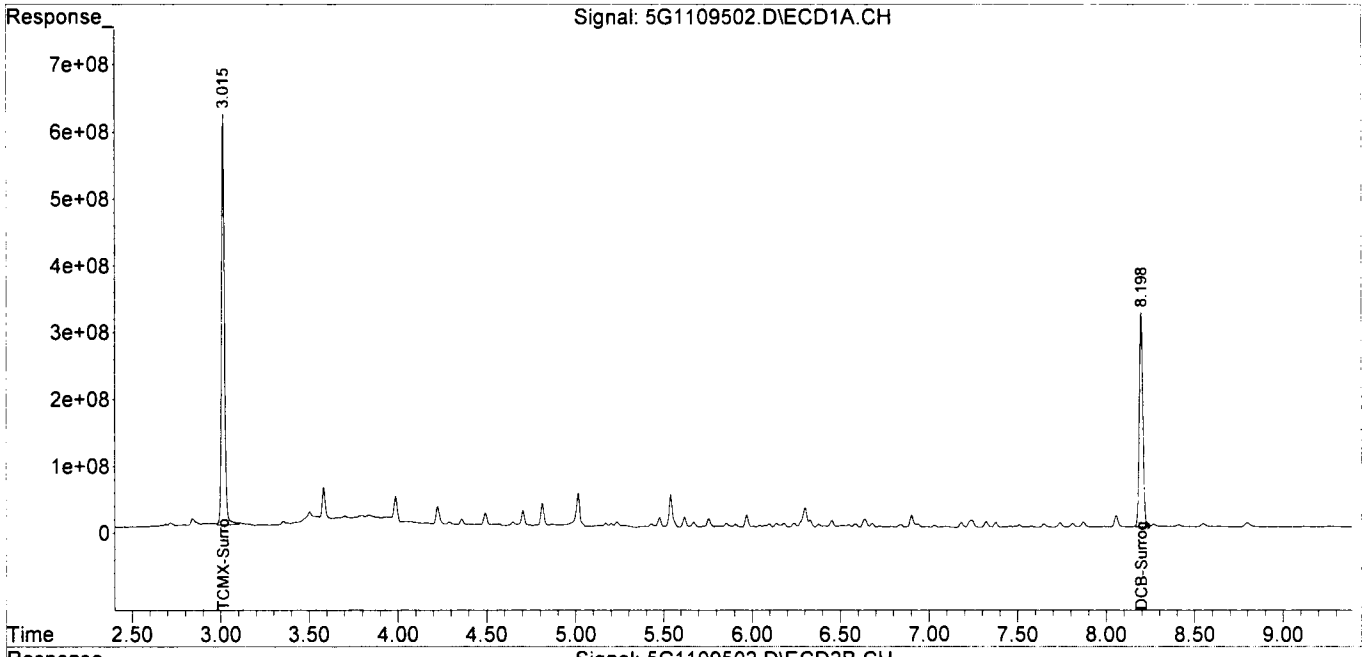
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.015	3.283	7202.3E6	2821.8E6	89.368	93.609
45)	DCB-Surrogate	8.198	9.107	4492.4E6	1704.5E6	84.858	90.758

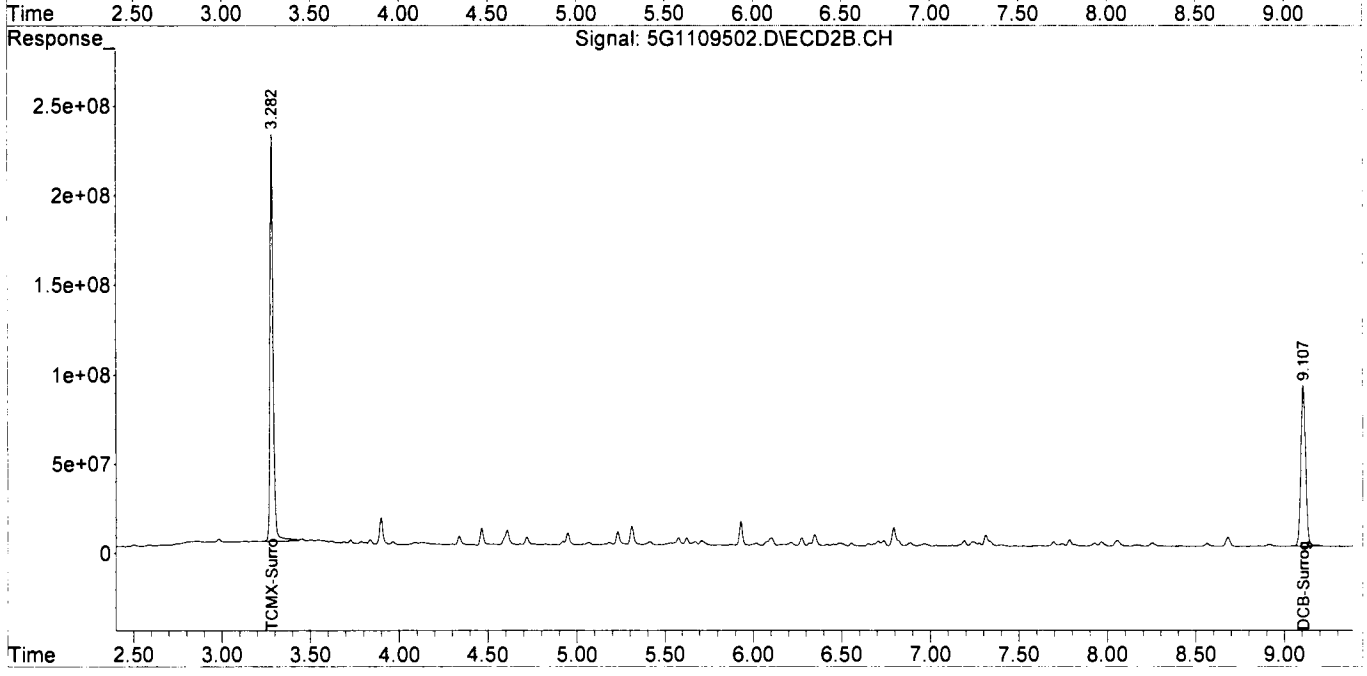
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-10-24\
Data File : 5G1109502.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 12:53:44
Operator : PR/KM/AH
Sample : AD48506-004
Misc : S,PCB
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:32:35 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-005
Client Id: SB-22-0-2.0'
Data File: 5G1109503.D
Analysis Date: 12/10/24 13:06
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.027	U	11097-69-1	Aroclor-1254	0.027	U
11104-28-2	Aroclor-1221	0.027	U	11096-82-5	Aroclor-1260	0.027	U
11141-16-5	Aroclor-1232	0.027	U	37324-23-5	Aroclor-1262	0.027	U
53469-21-9	Aroclor-1242	0.027	U	11100-14-4	Aroclor-1268	0.027	U
12672-29-6	Aroclor-1248	0.027	U	1336-36-3	Aroclor (Total)	0.027	U

Worksheet #: 764785

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-10-24\
Data File : 5G1109503.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 13:06:32
Operator : PR/KM/AH
Sample : AD48506-005
Misc : S,PCB
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:32:59 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

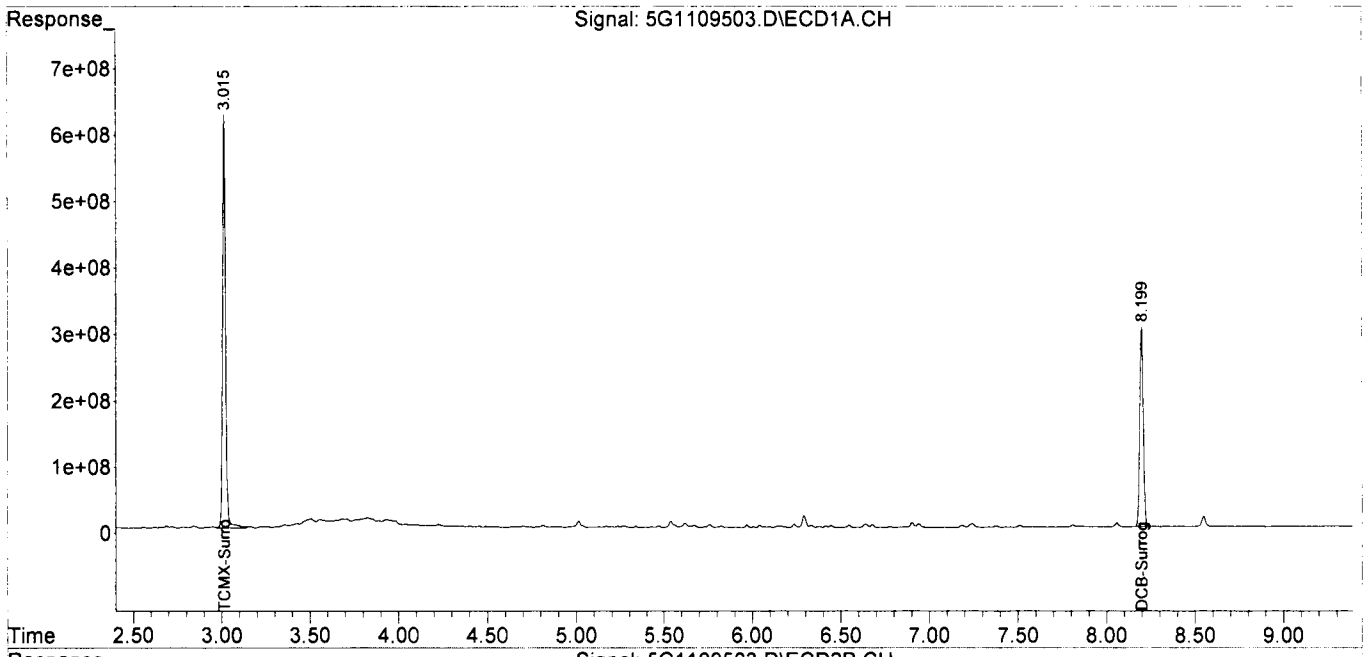
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.015	3.282	7355.9E6	2801.7E6	91.274	92.941m
45)	DCB-Surrogate	8.199	9.108	4234.0E6	1599.9E6	79.978	85.190

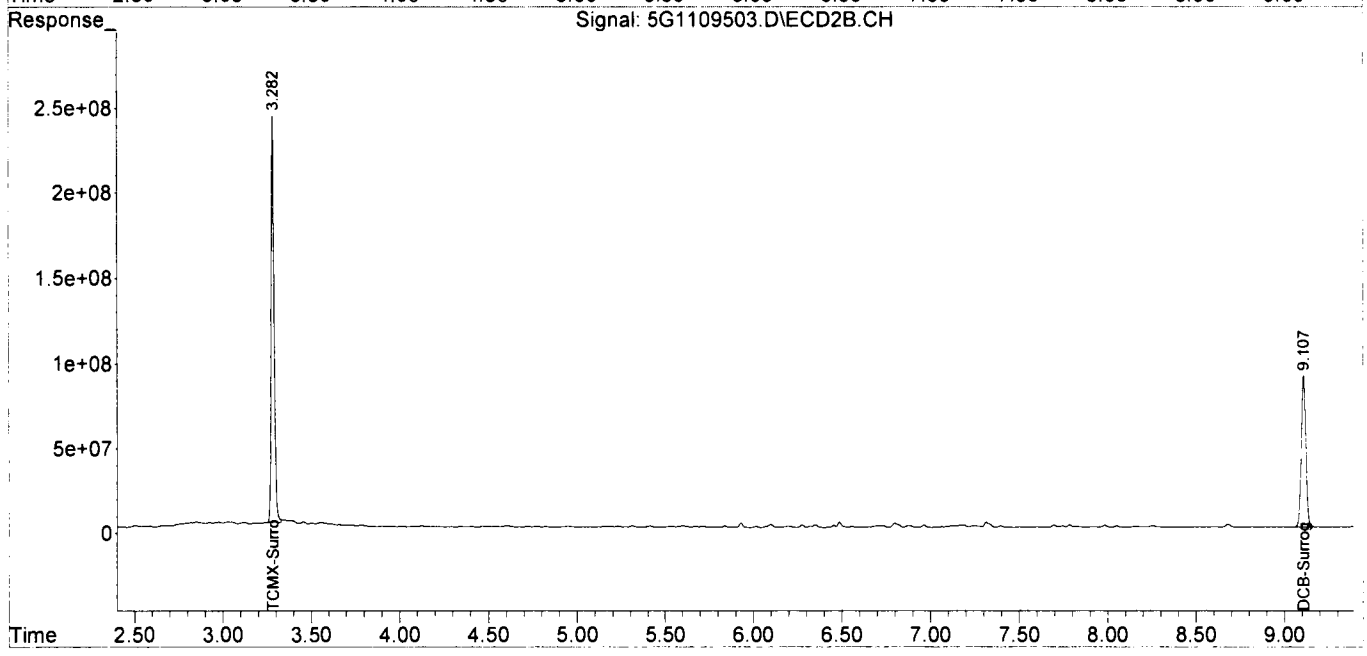
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-10-24\
Data File : 5G1109503.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 13:06:32
Operator : PR/KM/AH
Sample : AD48506-005
Misc : S,PCB
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:32:59 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-006
Client Id: SB-02-7.5-8.0'
Data File: 5G1109504.D
Analysis Date: 12/10/24 13:19
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 79

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.032	U	11097-69-1	Aroclor-1254	0.032	U
11104-28-2	Aroclor-1221	0.032	U	11096-82-5	Aroclor-1260	0.032	U
11141-16-5	Aroclor-1232	0.032	U	**37324-23-5**	**(^)Aroclor-1262**	**0.032**	**0.049**
53469-21-9	Aroclor-1242	0.032	U	11100-14-4	Aroclor-1268	0.032	U
12672-29-6	Aroclor-1248	0.032	U	**1336-36-3**	**Aroclor (Total)**	**0.032**	**0.049**

Worksheet #: 764785

Total Target Concentration 0.049

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-10-24\
Data File : 5G1109504.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 13:19:19
Operator : PR/KM/AH
Sample : AD48506-006
Misc : S,PCB
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:34:19 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

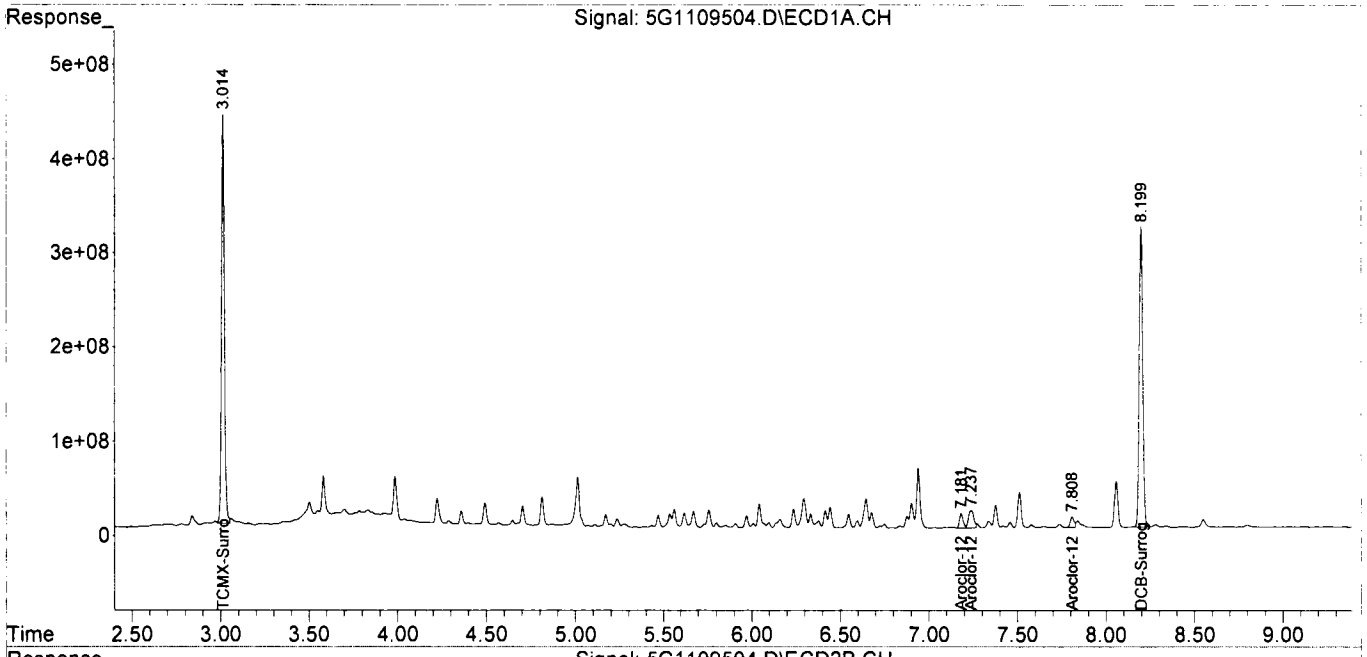
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.014	3.282	4962.3E6	2122.2E6	61.574m	70.402
36)Aroclor-1262 {2}	7.182	7.695	212.2E6	95768584	76.058	100.424m#
37)Aroclor-1262 {3}	7.238	7.785	374.5E6	79645247	68.580	78.731m
38)Aroclor-1262 {4}	7.808	8.255	161.4E6	61155133	64.231	53.368
45)DCB-Surrogate	8.199	9.107	4485.7E6	1715.0E6	84.732	91.316

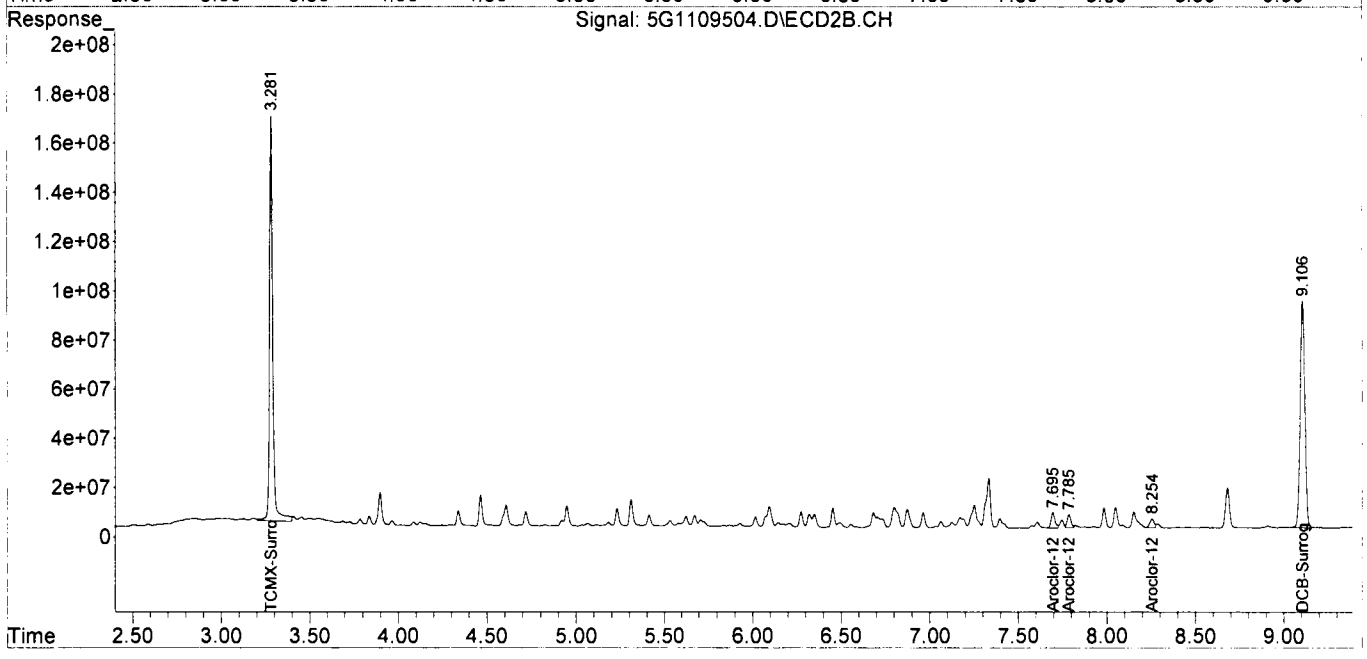
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-10-24\
Data File : 5G1109504.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 13:19:19
Operator : PR/KM/AH
Sample : AD48506-006
Misc : S,PCB
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:34:19 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-007
Client Id: SB-03-7.5-8.0'
Data File: 5G1109505.D
Analysis Date: 12/10/24 13:32
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 62

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.040	U	11097-69-1	Aroclor-1254	0.040	U
11104-28-2	Aroclor-1221	0.040	U	11096-82-5	Aroclor-1260	0.040	U
11141-16-5	Aroclor-1232	0.040	U	37324-23-5	Aroclor-1262	0.040	U
53469-21-9	Aroclor-1242	0.040	U	11100-14-4	Aroclor-1268	0.040	U
12672-29-6	Aroclor-1248	0.040	U	1336-36-3	Aroclor (Total)	0.040	U

Worksheet #: 764785

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-10-24\
Data File : 5G1109505.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 13:32:05
Operator : PR/KM/AH
Sample : AD48506-007
Misc : S,PCB
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:34:31 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

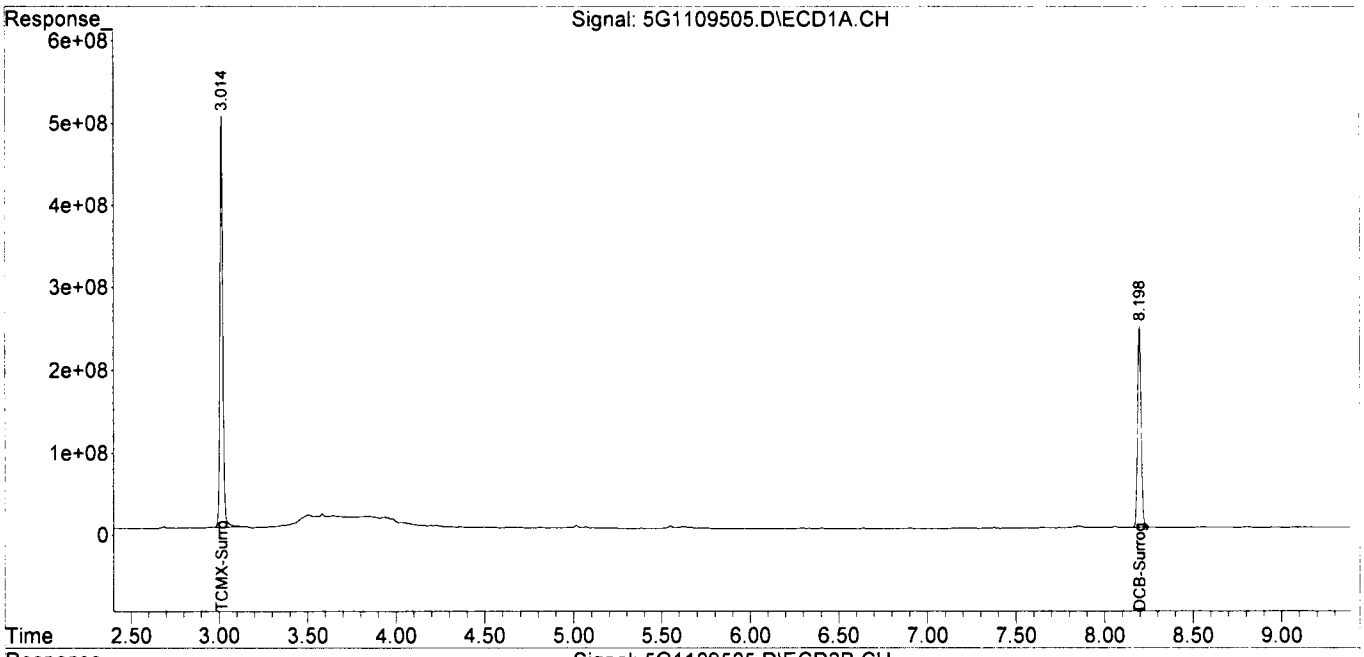
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.014	3.282	5704.4E6	2136.8E6	70.782	70.884
45)	DCB-Surrogate	8.198	9.108	3430.5E6	1284.5E6	64.799	68.394

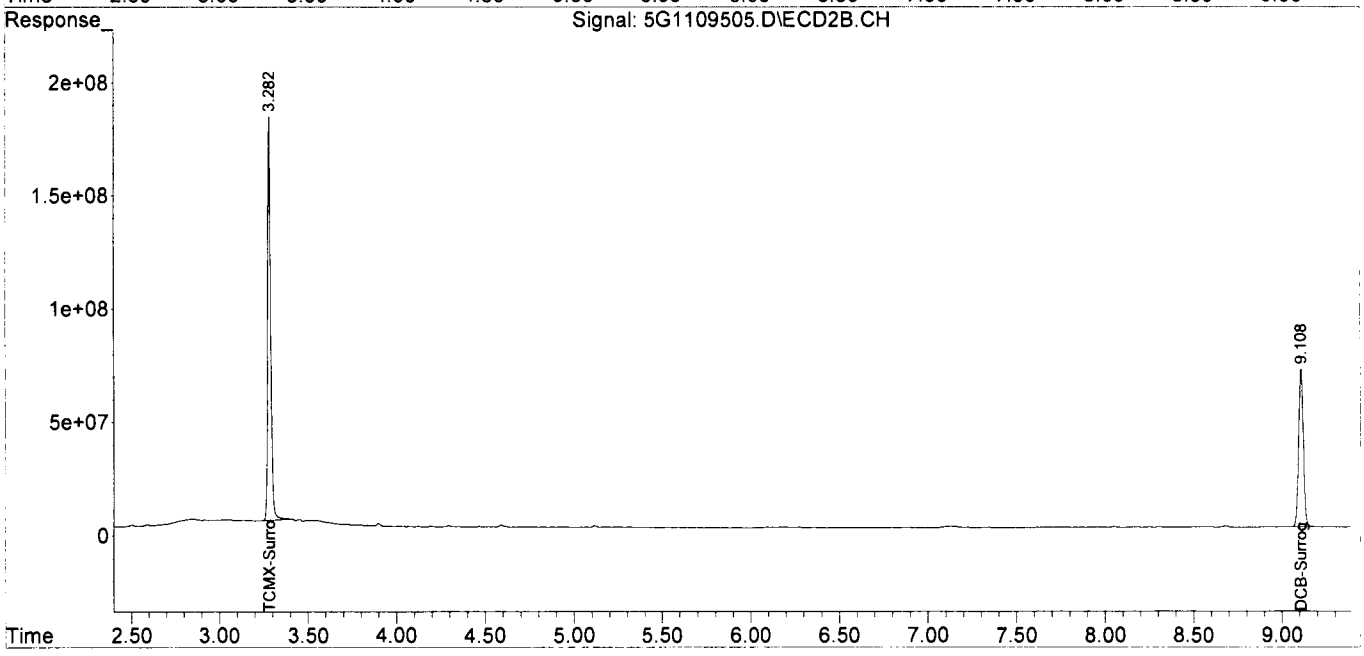
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-10-24\
Data File : 5G1109505.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 13:32:05
Operator : PR/KM/AH
Sample : AD48506-007
Misc : S,PCB
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:34:31 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-008
Client Id: SB-04-7.5-8.0
Data File: 5G1109506.D
Analysis Date: 12/10/24 13:44
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 57

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.044	U	11097-69-1	Aroclor-1254	0.044	U
11104-28-2	Aroclor-1221	0.044	U	11096-82-5	Aroclor-1260	0.044	U
11141-16-5	Aroclor-1232	0.044	U	37324-23-5	Aroclor-1262	0.044	U
53469-21-9	Aroclor-1242	0.044	U	11100-14-4	Aroclor-1268	0.044	U
12672-29-6	Aroclor-1248	0.044	U	1336-36-3	Aroclor (Total)	0.044	U

Worksheet #: 764785

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-10-24\
Data File : 5G1109506.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 13:44:57
Operator : PR/KM/AH
Sample : AD48506-008
Misc : S,PCB
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:34:58 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

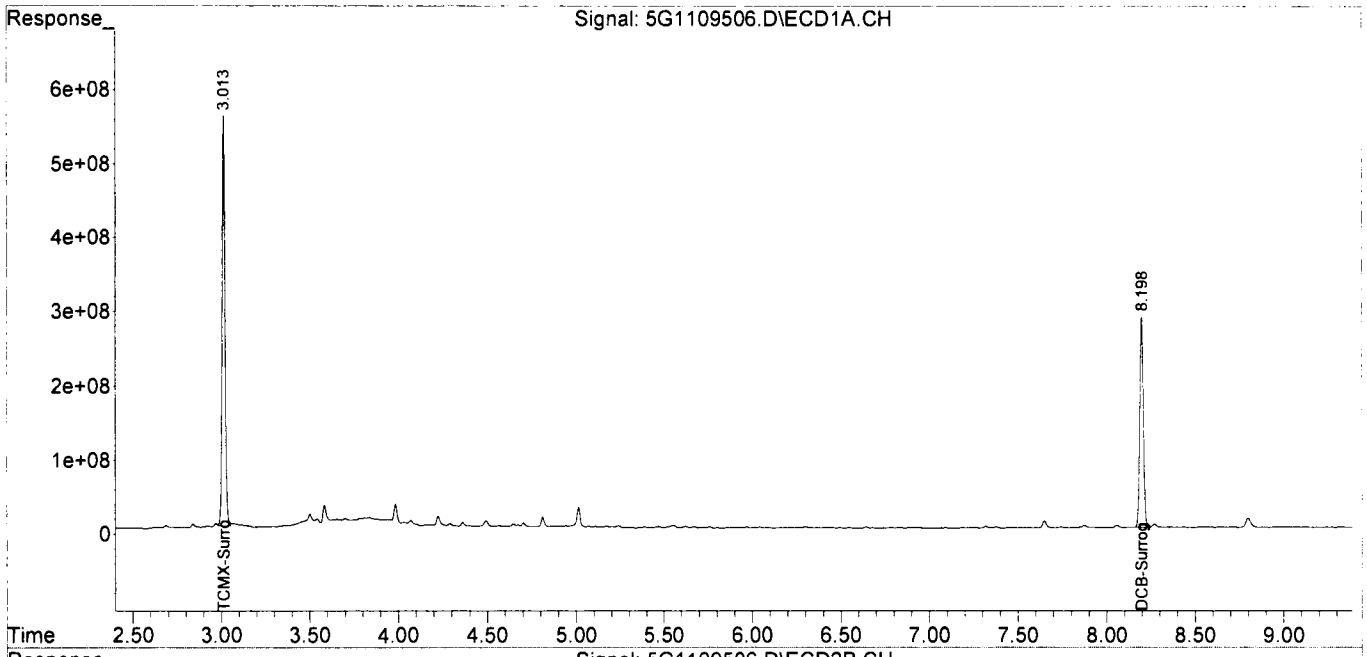
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.013	3.281	6209.5E6	2507.8E6	77.050m	83.191
45)	DCB-Surrogate	8.199	9.107	3951.1E6	1508.4E6	74.634	80.316

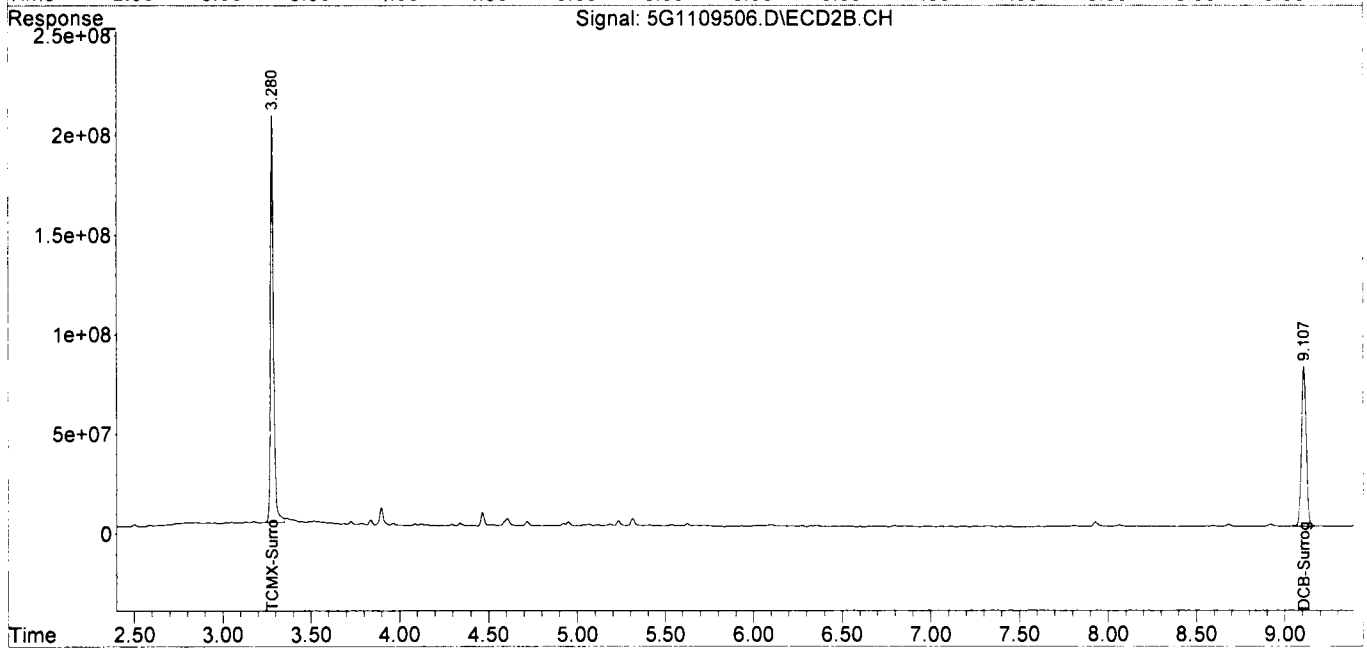
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-10-24\
Data File : 5G1109506.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 13:44:57
Operator : PR/KM/AH
Sample : AD48506-008
Misc : S,PCB
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:34:58 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-009
Client Id: SB-06-7.5-8.0'
Data File: 2G198199.D
Analysis Date: 12/10/24 13:37
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 67

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.037	U	11097-69-1	Aroclor-1254	0.037	U
11104-28-2	Aroclor-1221	0.037	U	11096-82-5	Aroclor-1260	0.037	U
11141-16-5	Aroclor-1232	0.037	U	37324-23-5	Aroclor-1262	0.037	U
53469-21-9	Aroclor-1242	0.037	U	11100-14-4	Aroclor-1268	0.037	U
12672-29-6	Aroclor-1248	0.037	U	1336-36-3	Aroclor (Total)	0.037	U

Worksheet #: 764823

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 13:37
Operator : AH/PR/KM
Sample : AD48506-009
Misc : S,PCB
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:30:21 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

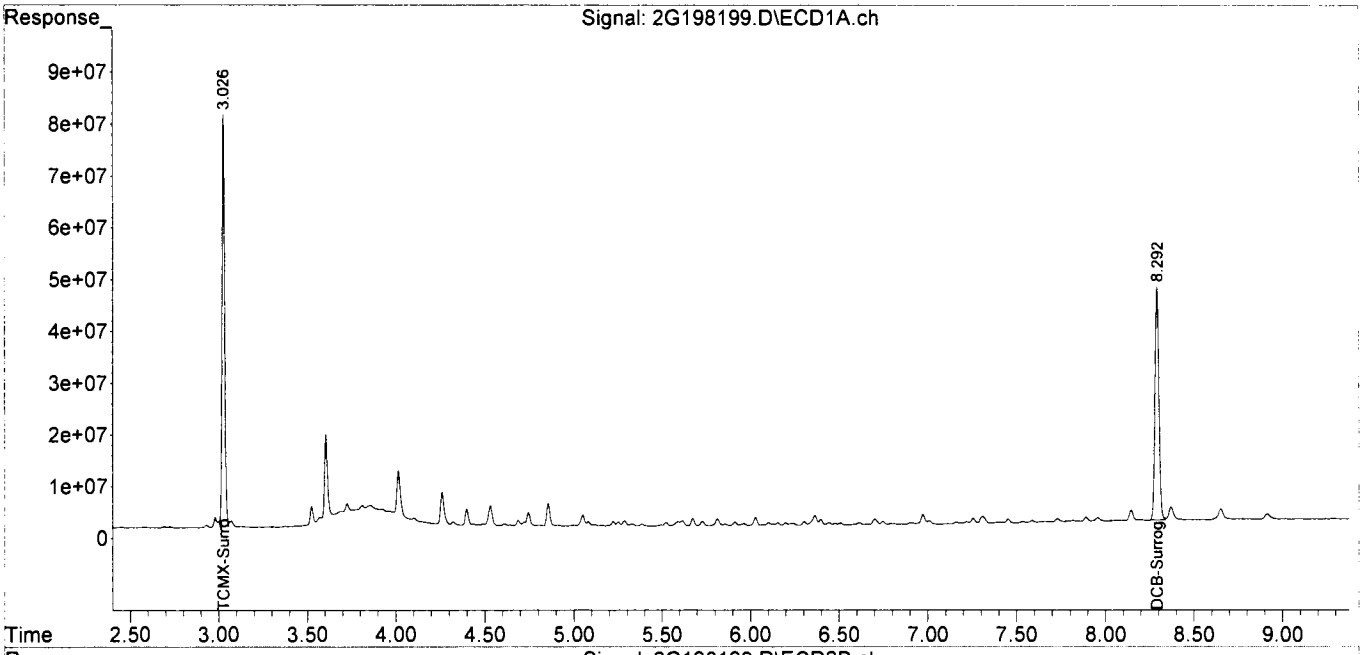
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.026	3.234	811.5E6	1173.7E6	89.572m	89.391
45)	DCB-Surrogate	8.292	9.110	696.7E6	964.4E6	96.743	98.905

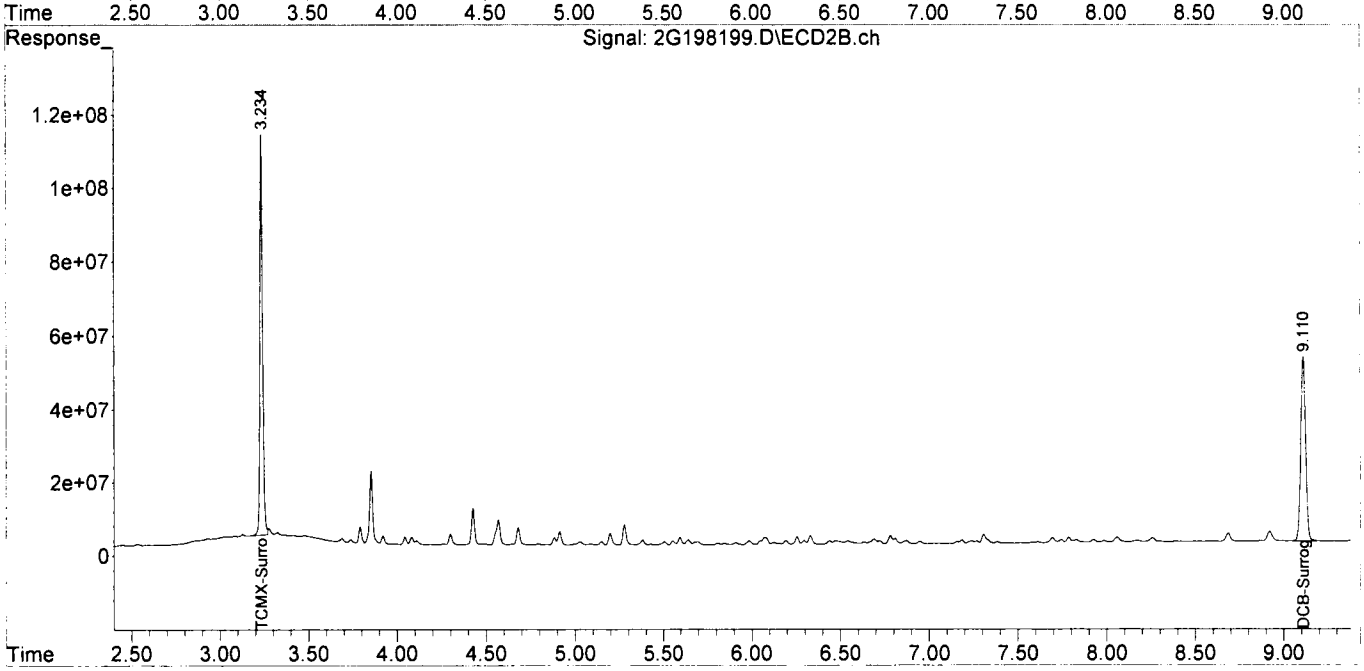
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 13:37
Operator : AH/PR/KM
Sample : AD48506-009
Misc : S,PCB
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:30:21 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-010
Client Id: SB-23-9.5-10.0'
Data File: 2G198200.D
Analysis Date: 12/10/24 13:49
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 74

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.034	U	11097-69-1	Aroclor-1254	0.034	U
11104-28-2	Aroclor-1221	0.034	U	11096-82-5	Aroclor-1260	0.034	U
11141-16-5	Aroclor-1232	0.034	U	37324-23-5	Aroclor-1262	0.034	U
53469-21-9	Aroclor-1242	0.034	U	11100-14-4	Aroclor-1268	0.034	U
12672-29-6	Aroclor-1248	0.034	U	1336-36-3	Aroclor (Total)	0.034	U

Worksheet #: 764823

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 13:49
Operator : AH/PR/KM
Sample : AD48506-010
Misc : S,PCB
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:30:41 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

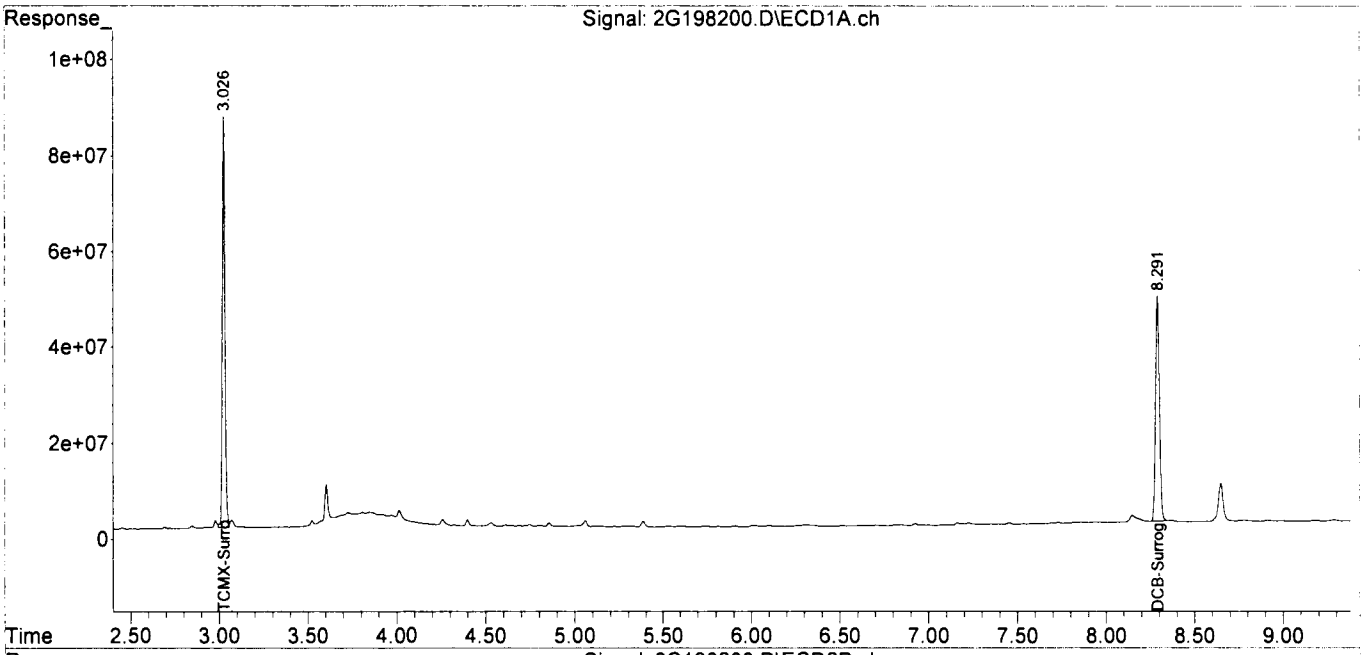
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.026	3.233	888.6E6	1280.9E6	98.080m	97.553
45)	DCB-Surrogate	8.292	9.108	708.9E6	983.4E6	98.429	100.857

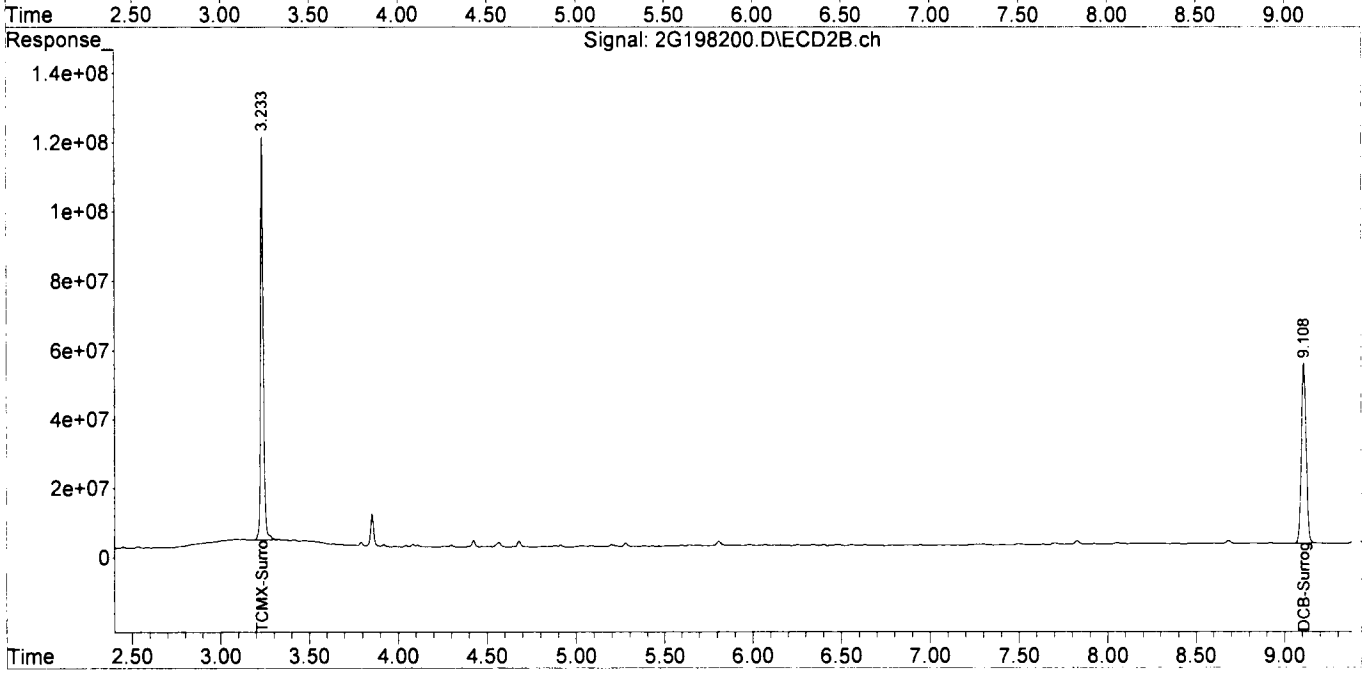
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 13:49
Operator : AH/PR/KM
Sample : AD48506-010
Misc : S,PCB
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:30:41 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-011
Client Id: SB-25-9.5-10.0'
Data File: 2G198201.D
Analysis Date: 12/10/24 14:01
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.028	U	11097-69-1	Aroclor-1254	0.028	U
11104-28-2	Aroclor-1221	0.028	U	11096-82-5	Aroclor-1260	0.028	U
11141-16-5	Aroclor-1232	0.028	U	37324-23-5	Aroclor-1262	0.028	U
53469-21-9	Aroclor-1242	0.028	U	11100-14-4	Aroclor-1268	0.028	U
12672-29-6	Aroclor-1248	0.028	U	1336-36-3	Aroclor (Total)	0.028	U

Worksheet #: 764823

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 14:01
Operator : AH/PR/KM
Sample : AD48506-011
Misc : S,PCB
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:31:00 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

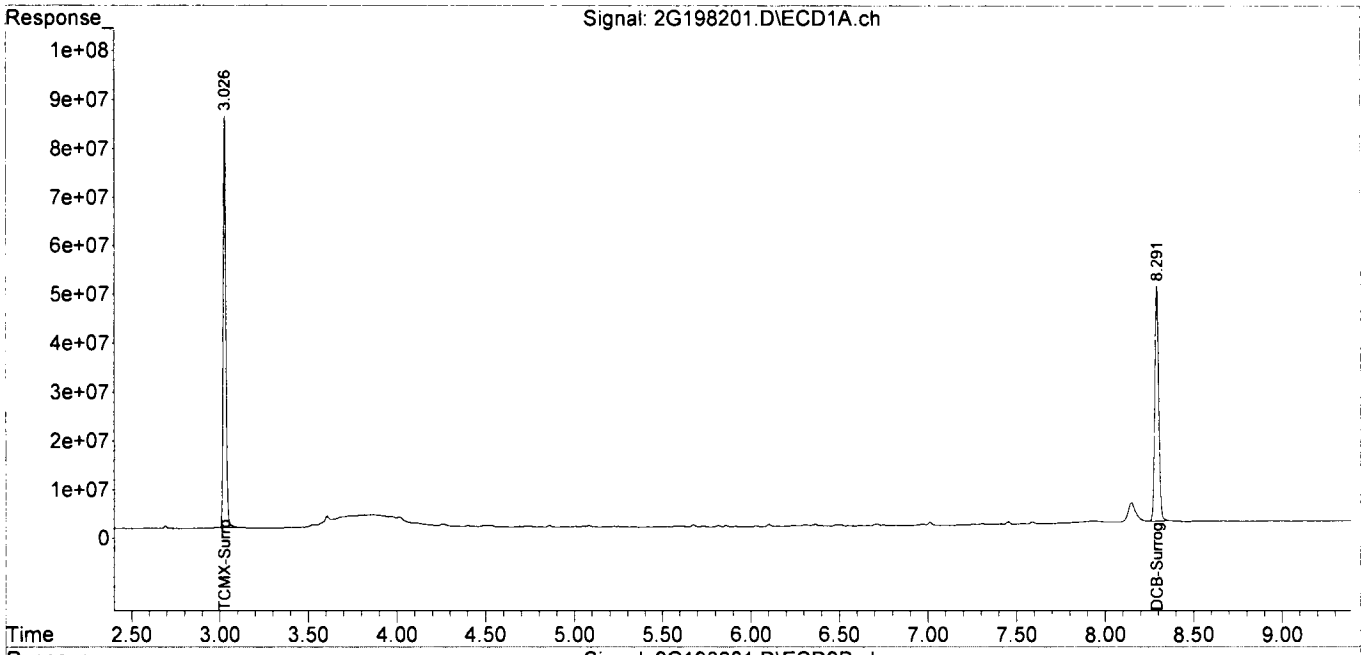
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.026	3.233	887.8E6	1230.5E6	97.994	93.716m
45)	DCB-Surrogate	8.292	9.110	741.9E6	1028.2E6	103.010	105.449

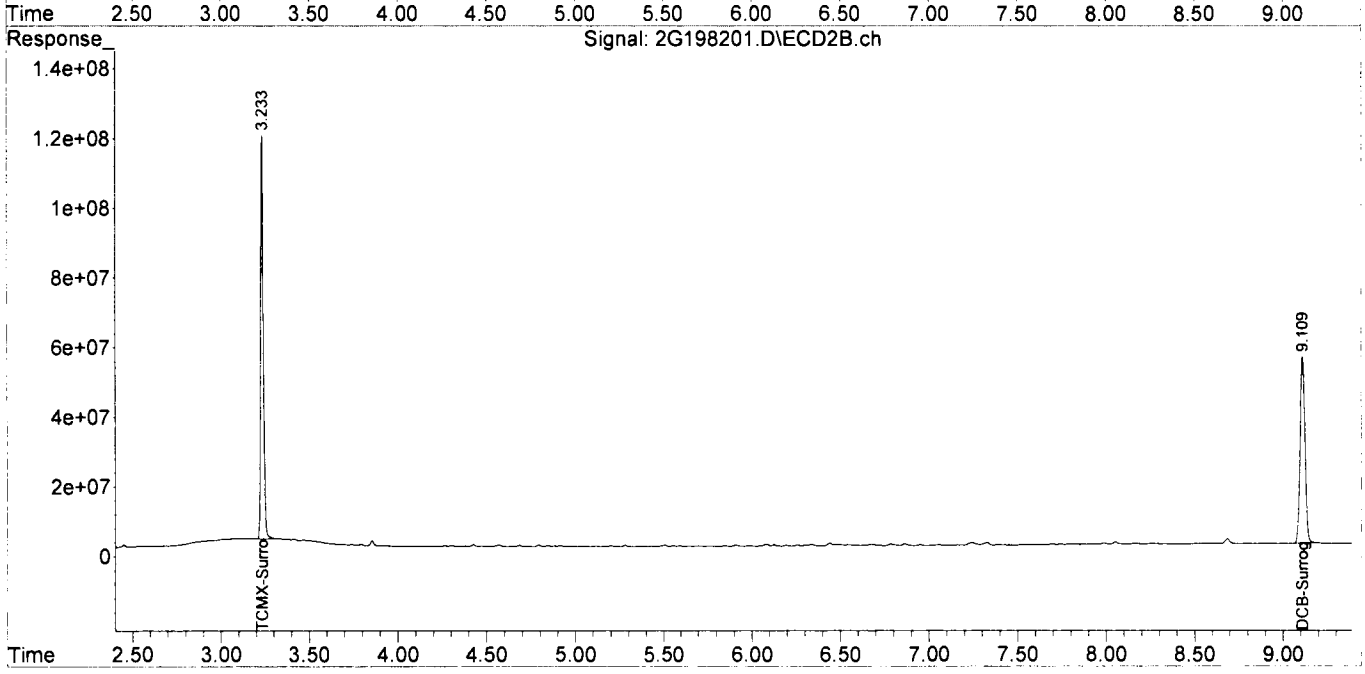
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198201.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 14:01
Operator : AH/PR/KM
Sample : AD48506-011
Misc : S,PCB
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:31:00 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-012
Client Id: SB-05-7.5-8.0'
Data File: 2G198202.D
Analysis Date: 12/10/24 14:13
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 80

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.031	U	11097-69-1	Aroclor-1254	0.031	U
11104-28-2	Aroclor-1221	0.031	U	11096-82-5	Aroclor-1260	0.031	U
11141-16-5	Aroclor-1232	0.031	U	37324-23-5	Aroclor-1262	0.031	U
53469-21-9	Aroclor-1242	0.031	U	11100-14-4	Aroclor-1268	0.031	U
12672-29-6	Aroclor-1248	0.031	U	1336-36-3	Aroclor (Total)	0.031	U

Worksheet #: 764823

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 14:13
Operator : AH/PR/KM
Sample : AD48506-012
Misc : S,PCB
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:31:26 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

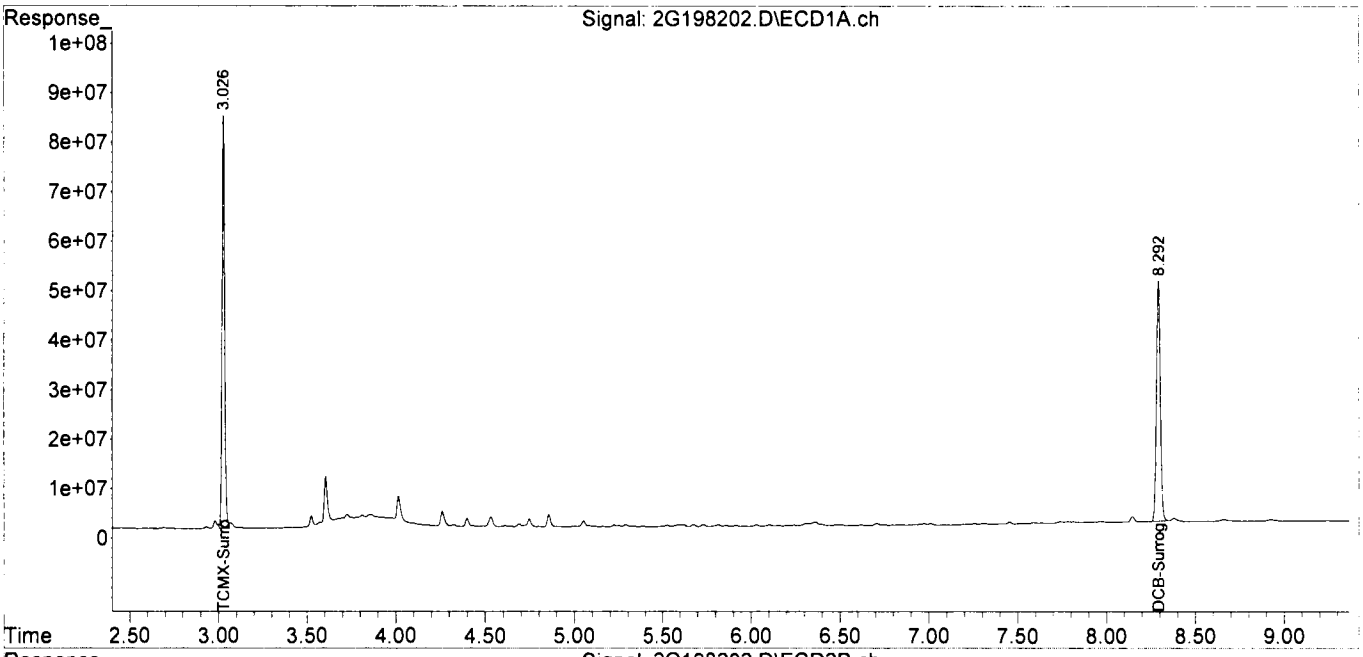
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.026	3.233	852.1E6	1228.7E6	94.050m	93.579m
45)	DCB-Surrogate	8.293	9.109	741.9E6	1035.1E6	103.016	106.152

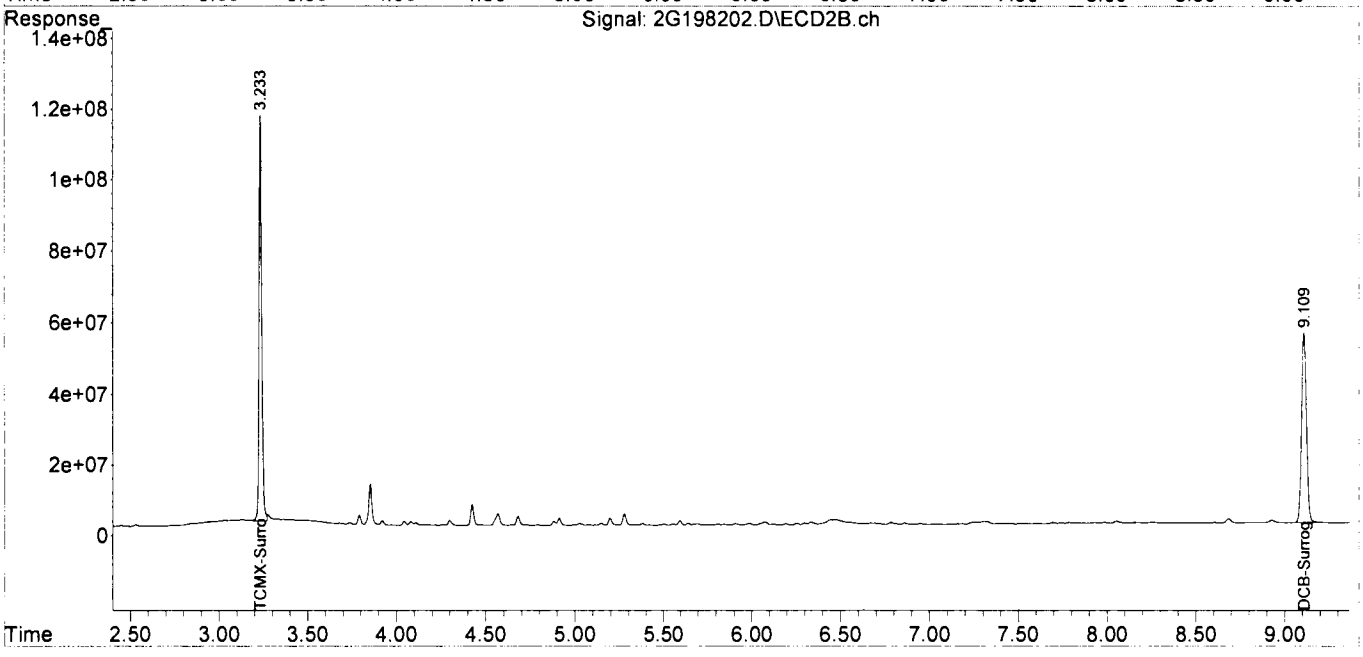
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198202.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 14:13
Operator : AH/PR/KM
Sample : AD48506-012
Misc : S,PCB
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:31:26 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-013
Client Id: SB-15-7.5-8.0'
Data File: 2G198203.D
Analysis Date: 12/10/24 14:24
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 73

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.034	U	11097-69-1	Aroclor-1254	0.034	U
11104-28-2	Aroclor-1221	0.034	U	11096-82-5	Aroclor-1260	0.034	U
11141-16-5	Aroclor-1232	0.034	U	37324-23-5	Aroclor-1262	0.034	U
53469-21-9	Aroclor-1242	0.034	U	11100-14-4	Aroclor-1268	0.034	U
12672-29-6	Aroclor-1248	0.034	U	1336-36-3	Aroclor (Total)	0.034	U

Worksheet #: 764823

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198203.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 14:24
Operator : AH/PR/KM
Sample : AD48506-013
Misc : S,PCB
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:48:03 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

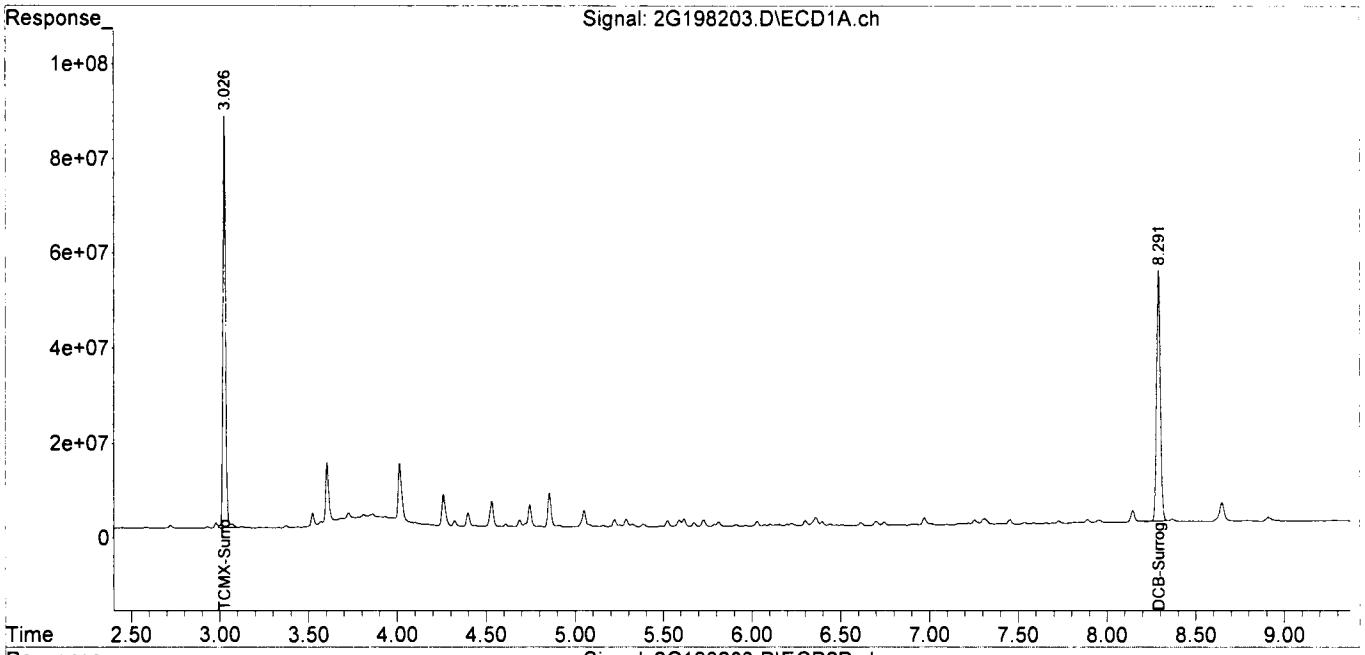
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.026	3.233	894.9E6	1260.9E6	98.781	96.026
45)	DCB-Surrogate	8.291	9.108	782.6E6	1097.1E6	108.673	112.517

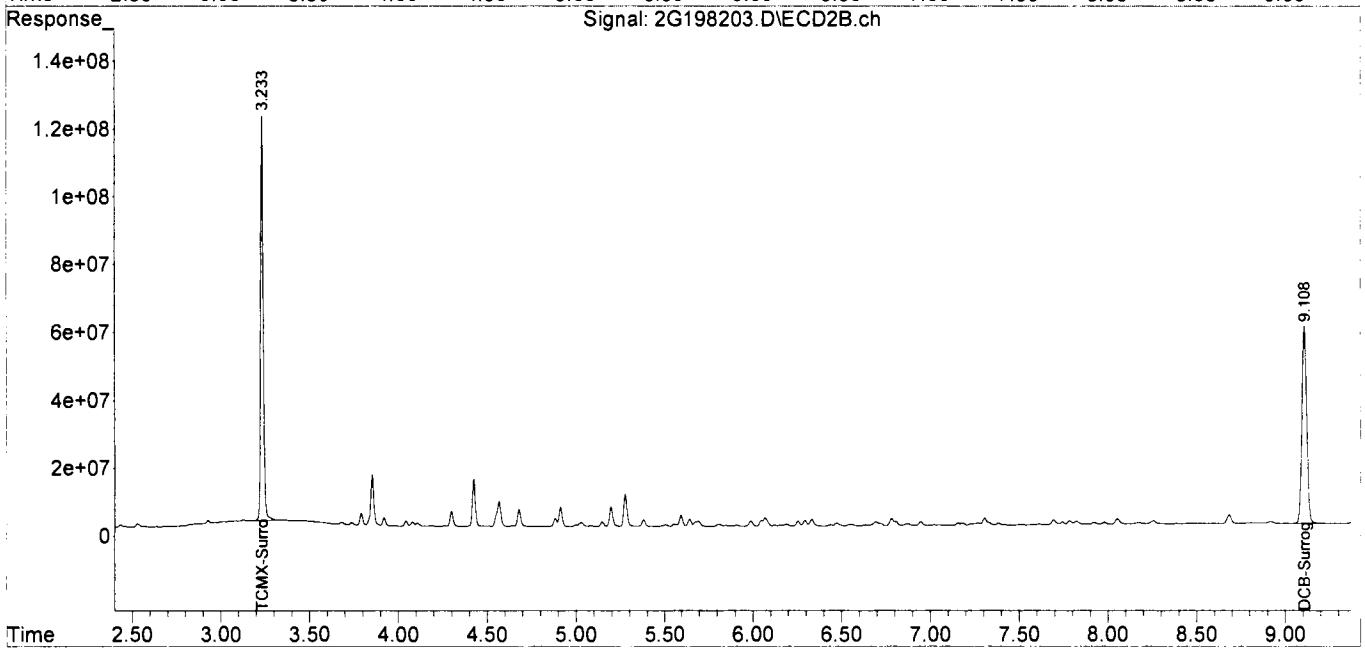
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198203.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 14:24
Operator : AH/PR/KM
Sample : AD48506-013
Misc : S,PCB
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:48:03 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-014
Client Id: SB-16-7.5-8.0'
Data File: 2G198204.D
Analysis Date: 12/10/24 14:36
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 71

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.035	U	11097-69-1	Aroclor-1254	0.035	U
11104-28-2	Aroclor-1221	0.035	U	11096-82-5	Aroclor-1260	0.035	U
11141-16-5	Aroclor-1232	0.035	U	37324-23-5	Aroclor-1262	0.035	U
53469-21-9	Aroclor-1242	0.035	U	11100-14-4	Aroclor-1268	0.035	U
12672-29-6	Aroclor-1248	0.035	U	1336-36-3	Aroclor (Total)	0.035	U

Worksheet #: 764823

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198204.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 14:36
Operator : AH/PR/KM
Sample : AD48506-014
Misc : S,PCB
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:48:50 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

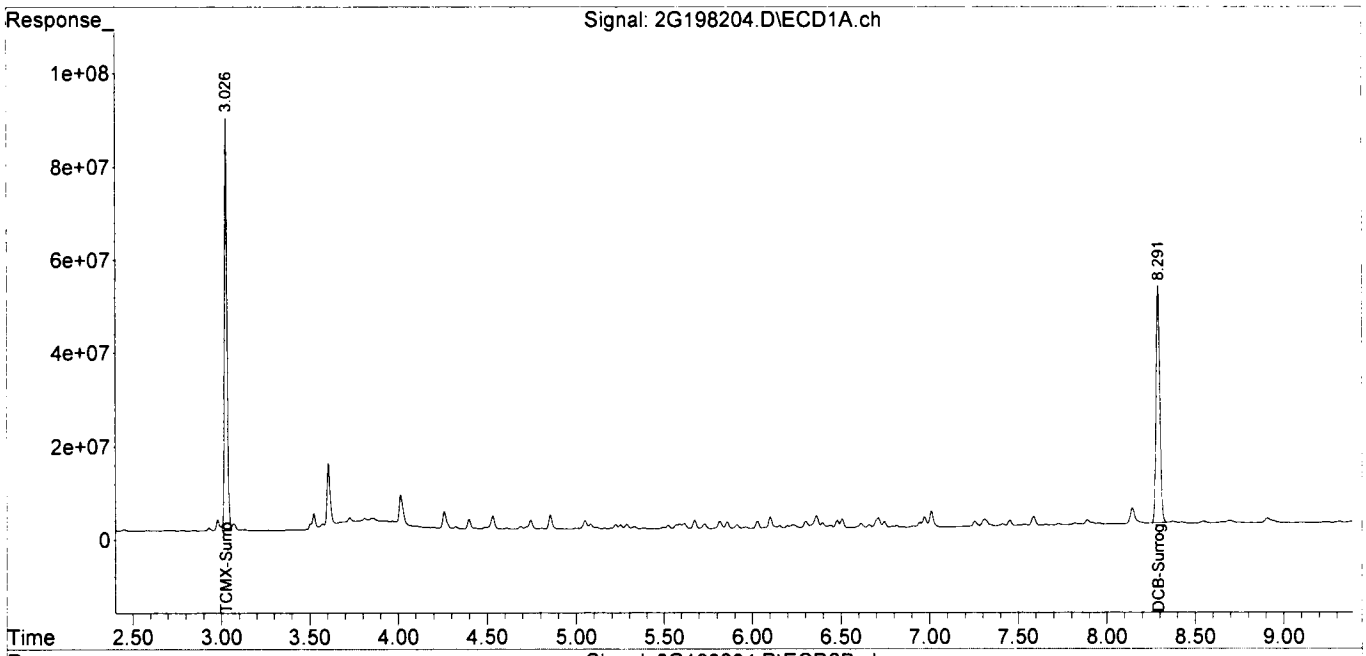
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.026	3.234	889.2E6	1336.9E6	98.153m	101.814
45)	DCB-Surrogate	8.291	9.109	750.7E6	1075.3E6	104.234	110.278

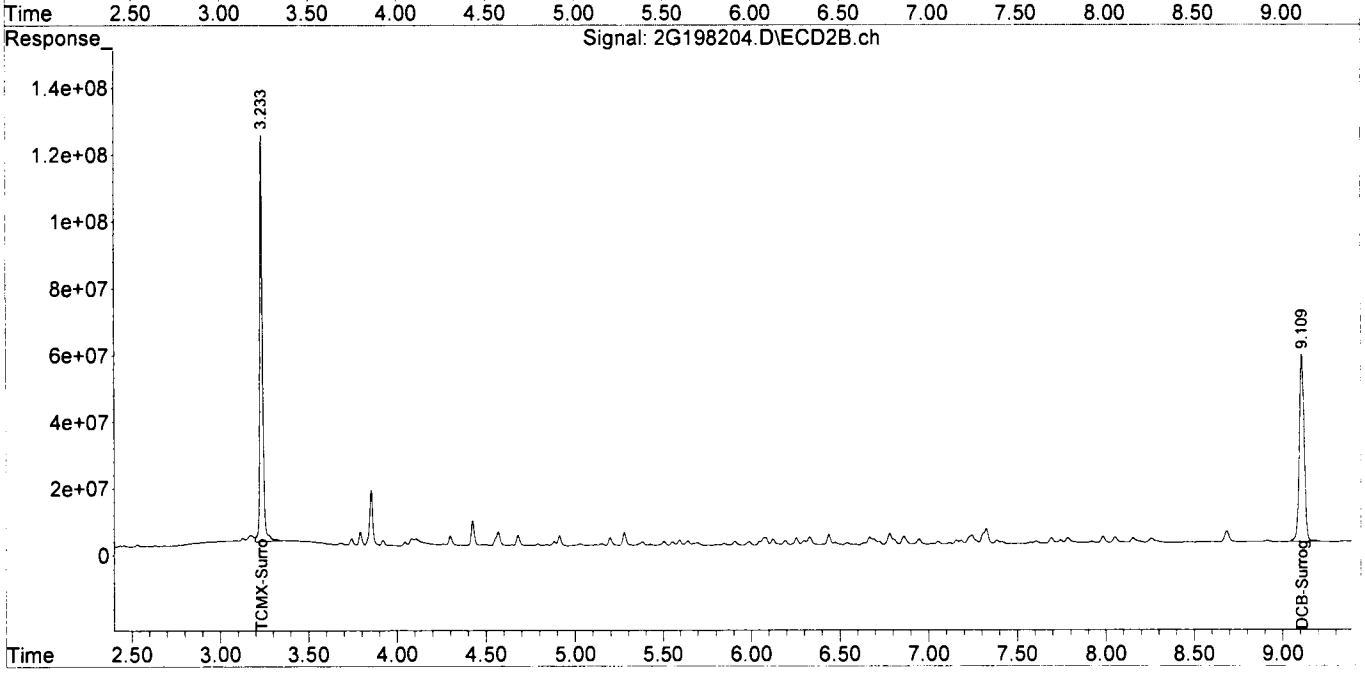
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198204.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 14:36
Operator : AH/PR/KM
Sample : AD48506-014
Misc : S,PCB
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:48:50 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-015
Client Id: SB-24-9.5-10.0'
Data File: 2G198205.D
Analysis Date: 12/10/24 14:48
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 66

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.038	U	11097-69-1	Aroclor-1254	0.038	U
11104-28-2	Aroclor-1221	0.038	U	11096-82-5	Aroclor-1260	0.038	U
11141-16-5	Aroclor-1232	0.038	U	37324-23-5	Aroclor-1262	0.038	U
53469-21-9	Aroclor-1242	0.038	U	11100-14-4	Aroclor-1268	0.038	U
12672-29-6	Aroclor-1248	0.038	U	1336-36-3	Aroclor (Total)	0.038	U

Worksheet #: 764823

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198205.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 14:48
Operator : AH/PR/KM
Sample : AD48506-015
Misc : S,PCB
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:58:37 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

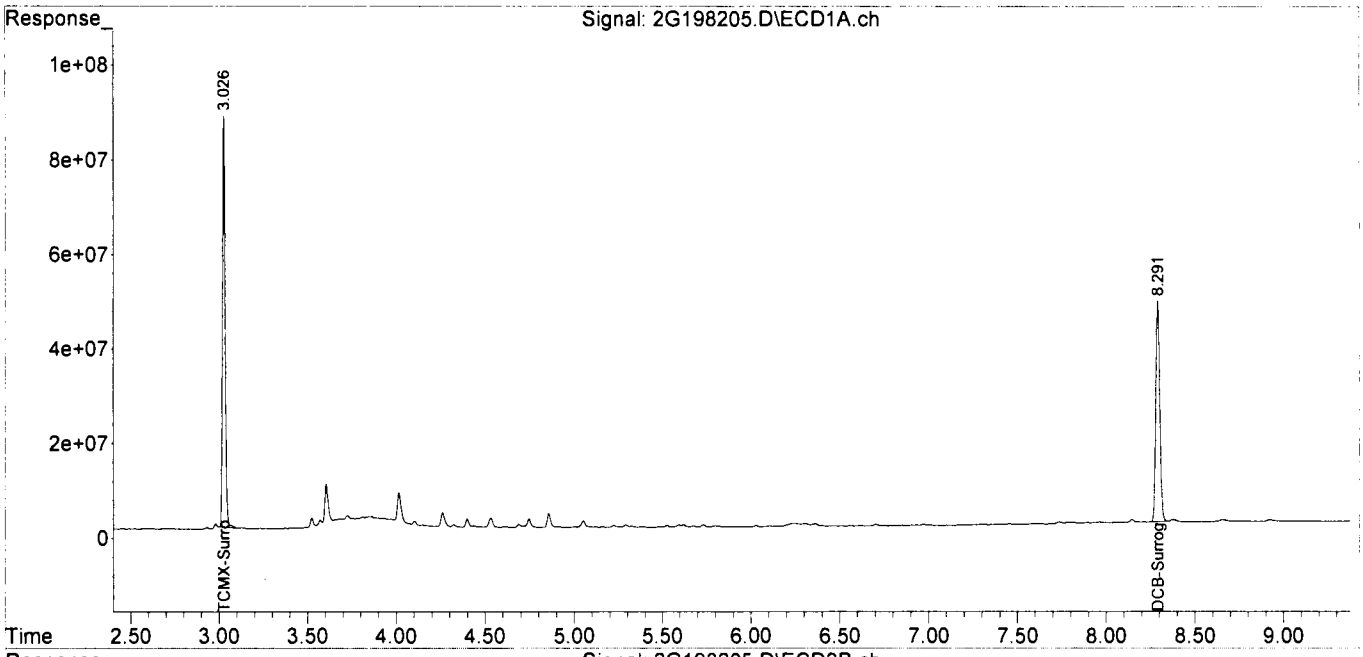
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.027	3.234	893.5E6	1268.6E6	98.627	96.612
45)	DCB-Surrogate	8.292	9.108	732.0E6	1015.1E6	101.639	104.104

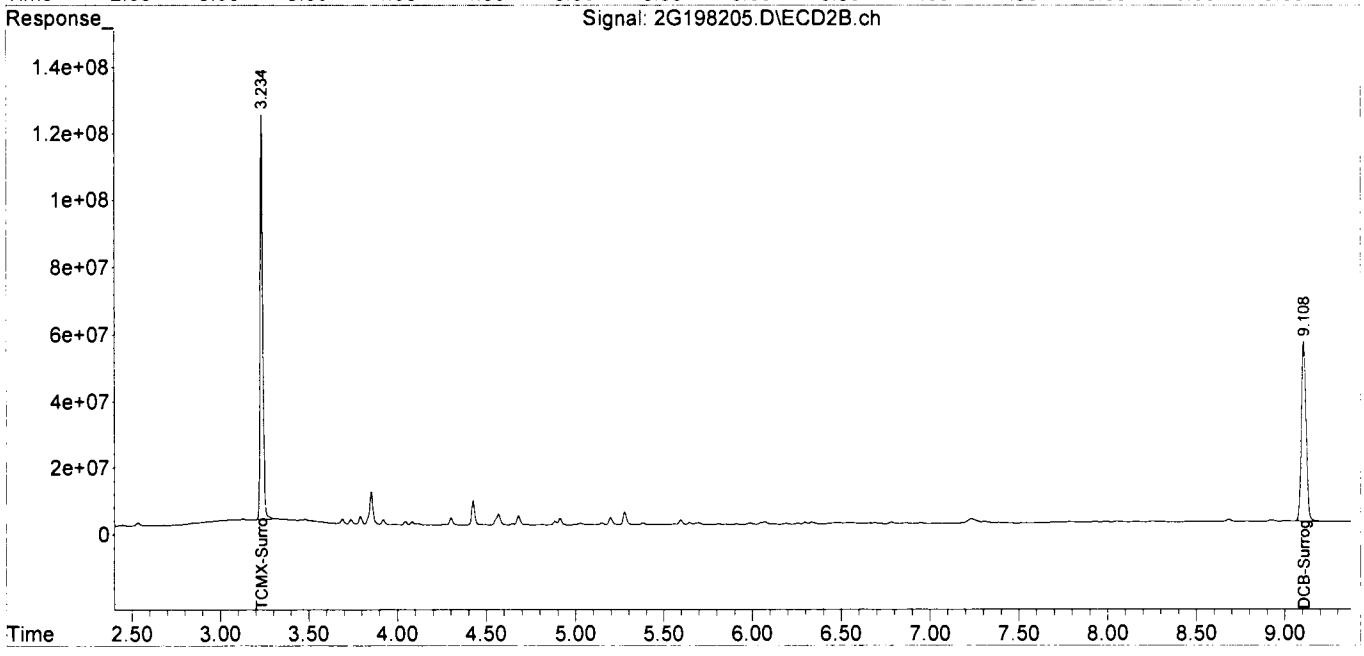
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198205.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 14:48
Operator : AH/PR/KM
Sample : AD48506-015
Misc : S,PCB
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:58:37 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-016
Client Id: SB-20-9.5-10.0'
Data File: 2G198206.D
Analysis Date: 12/10/24 15:00
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 73

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.034	U	11097-69-1	Aroclor-1254	0.034	U
11104-28-2	Aroclor-1221	0.034	U	11096-82-5	Aroclor-1260	0.034	U
11141-16-5	Aroclor-1232	0.034	U	**37324-23-5**	**Aroclor-1262**	**0.034**	**0.048**
53469-21-9	Aroclor-1242	0.034	U	11100-14-4	Aroclor-1268	0.034	U
12672-29-6	Aroclor-1248	0.034	U	**1336-36-3**	**Aroclor (Total)**	**0.034**	**0.048**

Worksheet #: 764823

Total Target Concentration 0.048

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 15:00
Operator : AH/PR/KM
Sample : AD48506-016
Misc : S,PCB
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 16:58:54 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

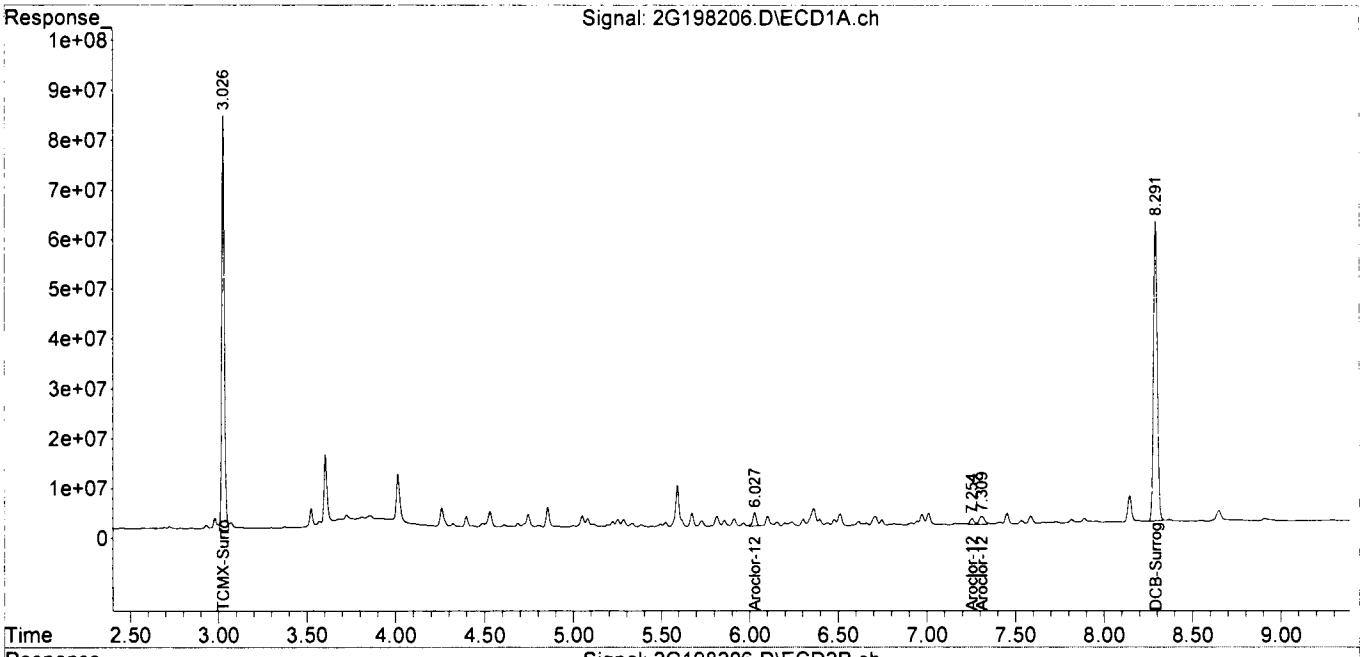
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2	
	Target Compounds							
1)	TCMX-Surrogate	3.026	3.234	856.1E6	1219.0E6	94.494m	92.836	
35)	Aroclor-1262 {1}	6.028	6.689	36550811	30755785	103.838	77.431	#
36)	Aroclor-1262 {2}	7.254	7.692	19032712	31674381	55.419m	68.712m	
37)	Aroclor-1262 {3}	7.309	7.783	35517713	27479920	52.783m	51.185m	
45)	DCB-Surrogate	8.291	9.108	904.3E6	1275.3E6	125.569	130.789	

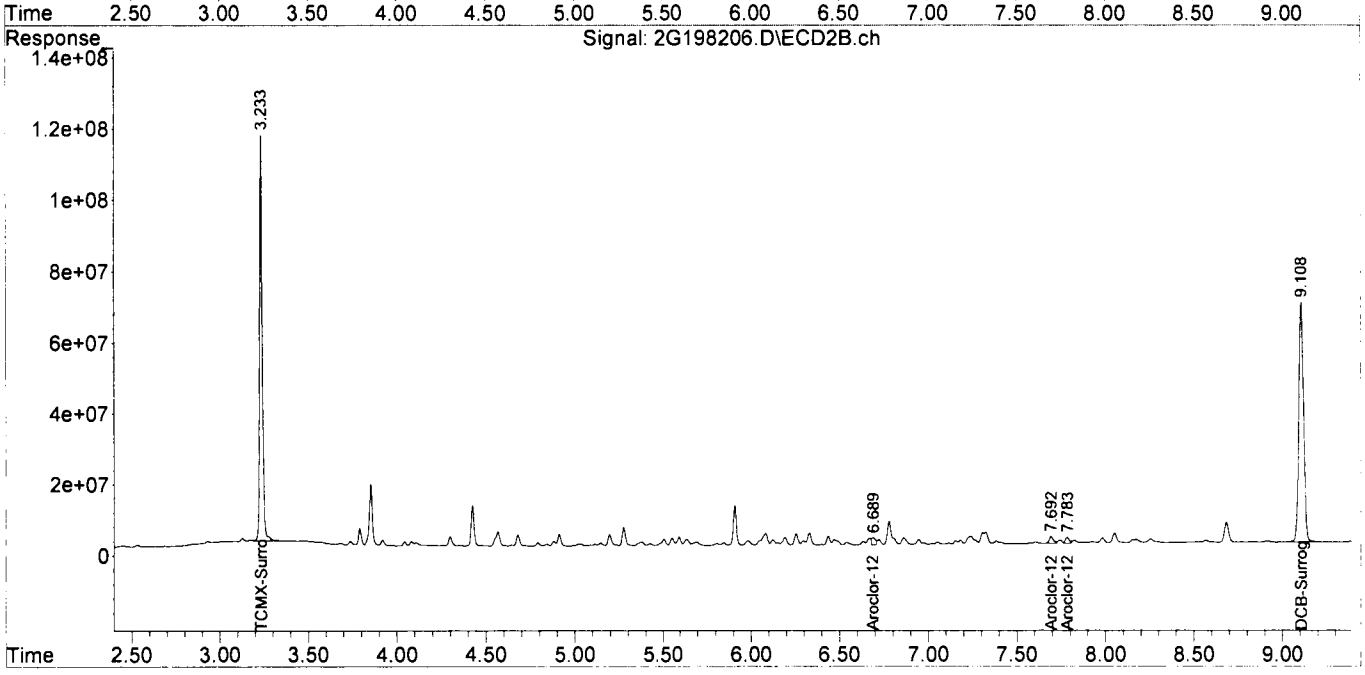
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-10-24\
Data File : 2G198206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 15:00
Operator : AH/PR/KM
Sample : AD48506-016
Misc : S,PCB
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 16:58:54 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-018
Client Id: SB-19-9.5-10.0'
Data File: 2G198228.D
Analysis Date: 12/11/24 12:45
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 75

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.033	U	11097-69-1	Aroclor-1254	0.033	U
11104-28-2	Aroclor-1221	0.033	U	11096-82-5	Aroclor-1260	0.033	U
11141-16-5	Aroclor-1232	0.033	U	37324-23-5	Aroclor-1262	0.033	U
53469-21-9	Aroclor-1242	0.033	U	11100-14-4	Aroclor-1268	0.033	U
12672-29-6	Aroclor-1248	0.033	U	1336-36-3	Aroclor (Total)	0.033	U

Worksheet #: 764951

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-11-24\
Data File : 2G198228.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 12:45
Operator : AH/PR/KM
Sample : AD48506-018
Misc : S,PCB
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 14:35:37 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

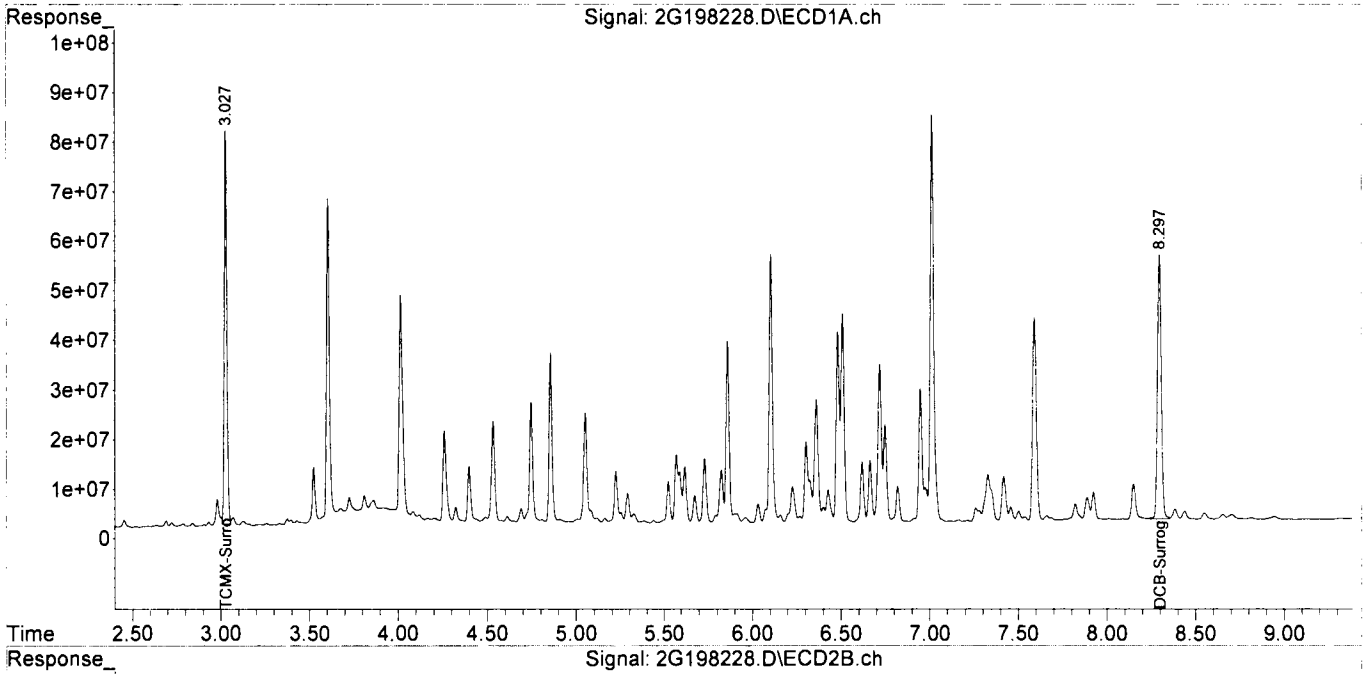
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.027	3.235	823.2E6	1388.4E6	90.858m	105.738
45)	DCB-Surrogate	8.298	9.113	813.7E6	1214.2E6	112.990	124.521

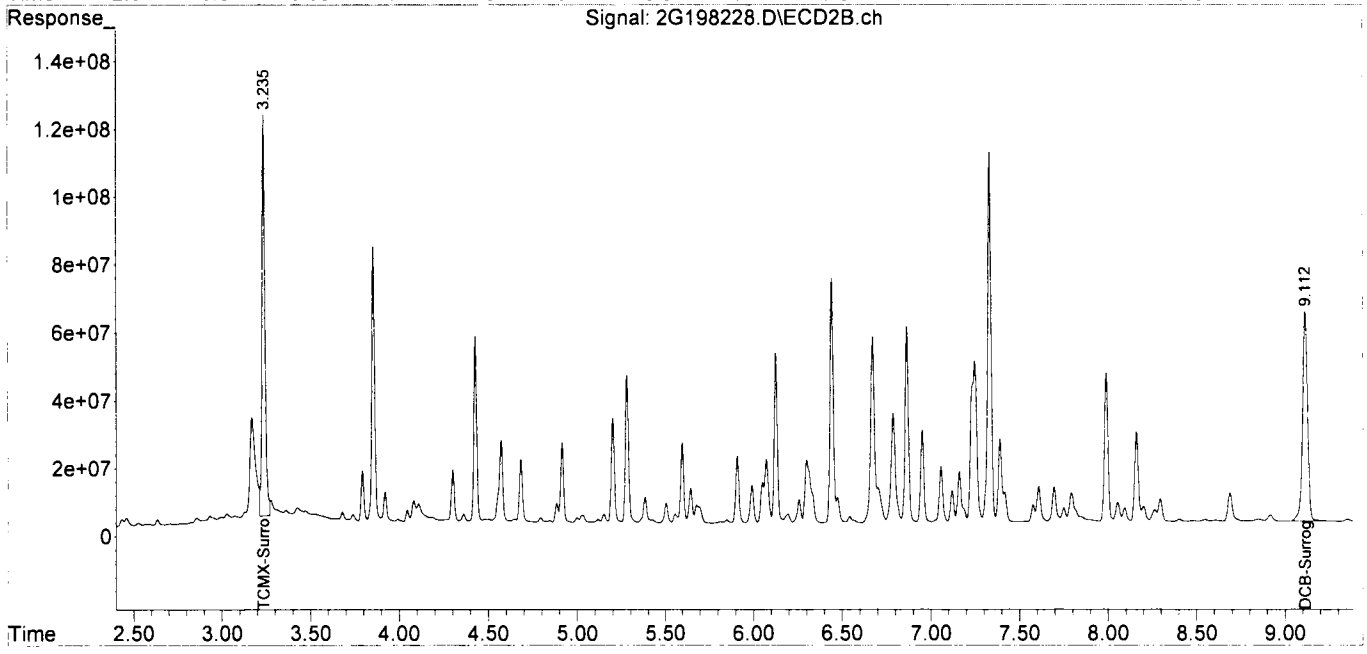
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-11-24\
Data File : 2G198228.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 12:45
Operator : AH/PR/KM
Sample : AD48506-018
Misc : S,PCB
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 14:35:37 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-019
Client Id: SB-14-9.5-10.0'
Data File: 2G198229.D
Analysis Date: 12/11/24 12:57
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.029	U	11097-69-1	Aroclor-1254	0.029	U
11104-28-2	Aroclor-1221	0.029	U	11096-82-5	Aroclor-1260	0.029	U
11141-16-5	Aroclor-1232	0.029	U	**37324-23-5**	**(^)Aroclor-1262**	**0.029**	**0.037**
53469-21-9	Aroclor-1242	0.029	U	11100-14-4	Aroclor-1268	0.029	U
12672-29-6	Aroclor-1248	0.029	U	**1336-36-3**	**Aroclor (Total)**	**0.029**	**0.037**

Worksheet #: 764951

Total Target Concentration 0.037

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-11-24\
Data File : 2G198229.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 12:57
Operator : AH/PR/KM
Sample : AD48506-019
Misc : S,PCB
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 14:22:14 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

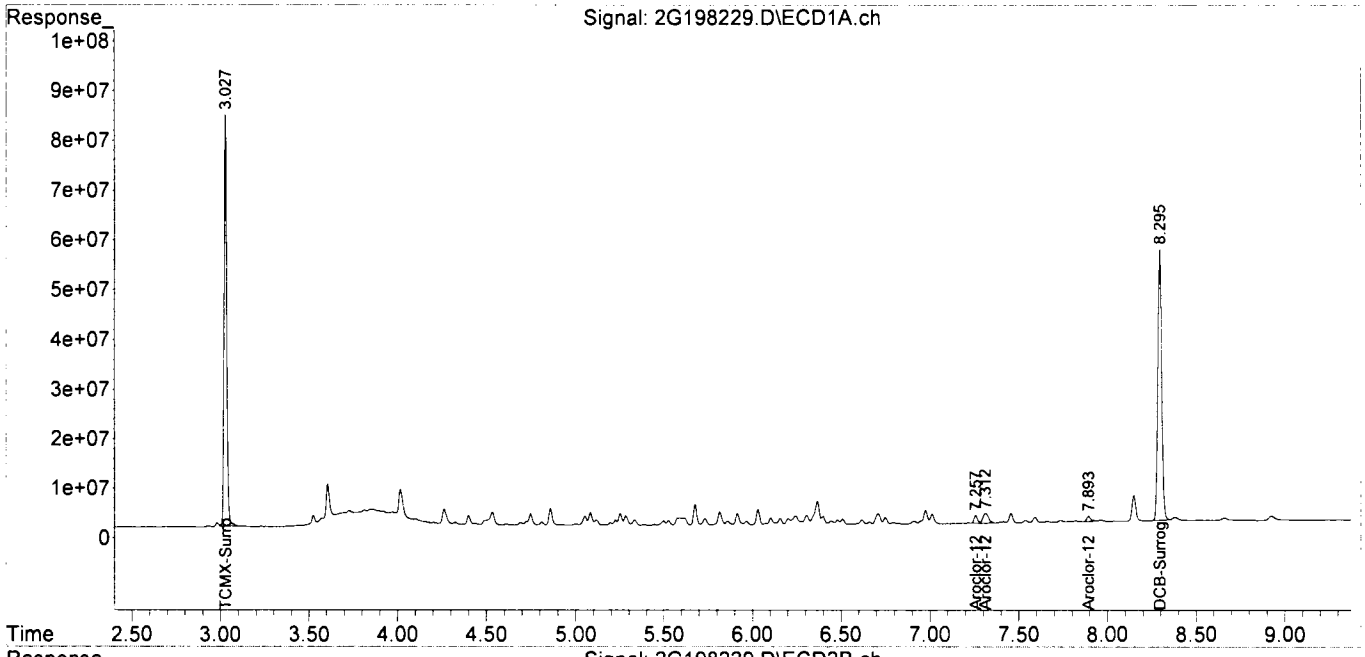
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.028	3.235	874.1E6	1238.8E6	96.485	94.346
36)	Aroclor-1262 {2}	7.257	7.696	20673588	33497787	60.197m	72.668
37)	Aroclor-1262 {3}	7.312	7.787	43176490	35345292	64.164	65.836
38)	Aroclor-1262 {4}	7.893	8.260	16062166	29016679	51.254m	51.664m
45)	DCB-Surrogate	8.296	9.112	829.9E6	1159.0E6	115.241	118.865

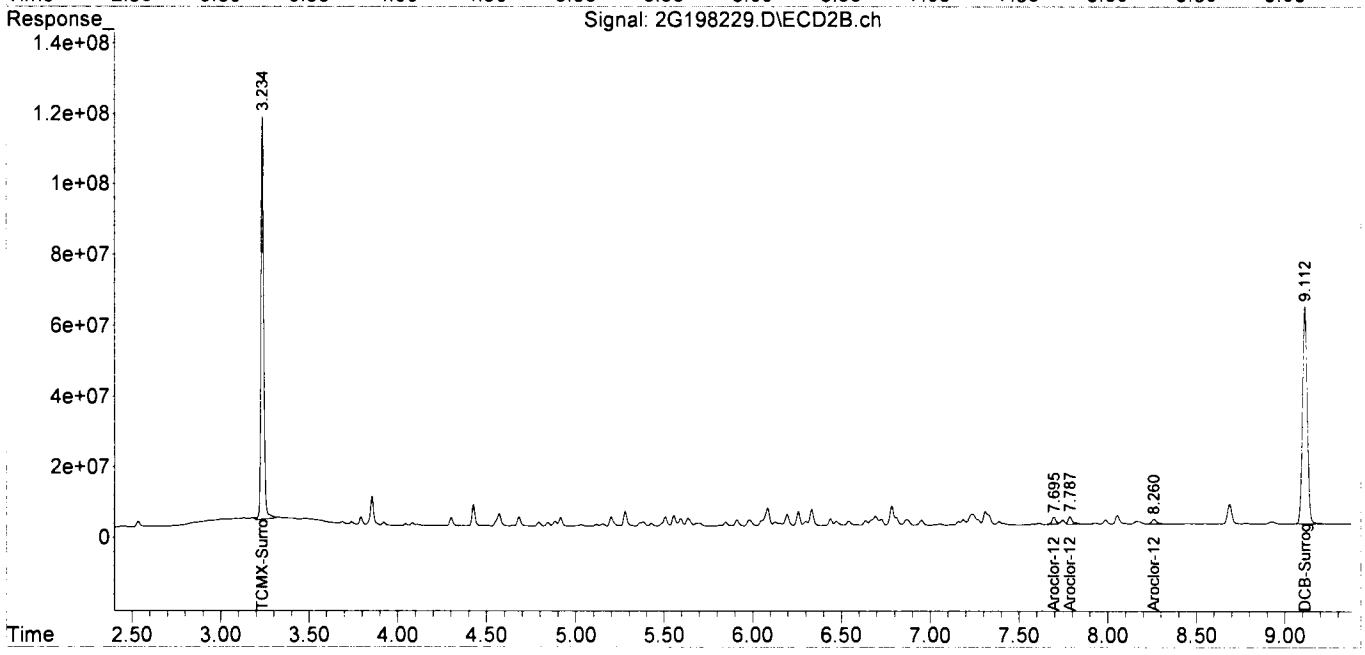
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-11-24\
Data File : 2G198229.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 12:57
Operator : AH/PR/KM
Sample : AD48506-019
Misc : S,PCB
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 14:22:14 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48506-020
Client Id: SB-08-9.5-10.0'
Data File: 2G198230.D
Analysis Date: 12/11/24 13:08
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.028	U	11097-69-1	Aroclor-1254	0.028	U
11104-28-2	Aroclor-1221	0.028	U	11096-82-5	Aroclor-1260	0.028	U
11141-16-5	Aroclor-1232	0.028	U	**37324-23-5**	**(^)Aroclor-1262**	**0.028**	**0.067**
53469-21-9	Aroclor-1242	0.028	U	11100-14-4	Aroclor-1268	0.028	U
12672-29-6	Aroclor-1248	0.028	U	**1336-36-3**	**Aroclor (Total)**	**0.028**	**0.067**

Worksheet #: 764951

Total Target Concentration 0.067

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-11-24\
Data File : 2G198230.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 13:08
Operator : AH/PR/KM
Sample : AD48506-020
Misc : S,PCB
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 14:23:05 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

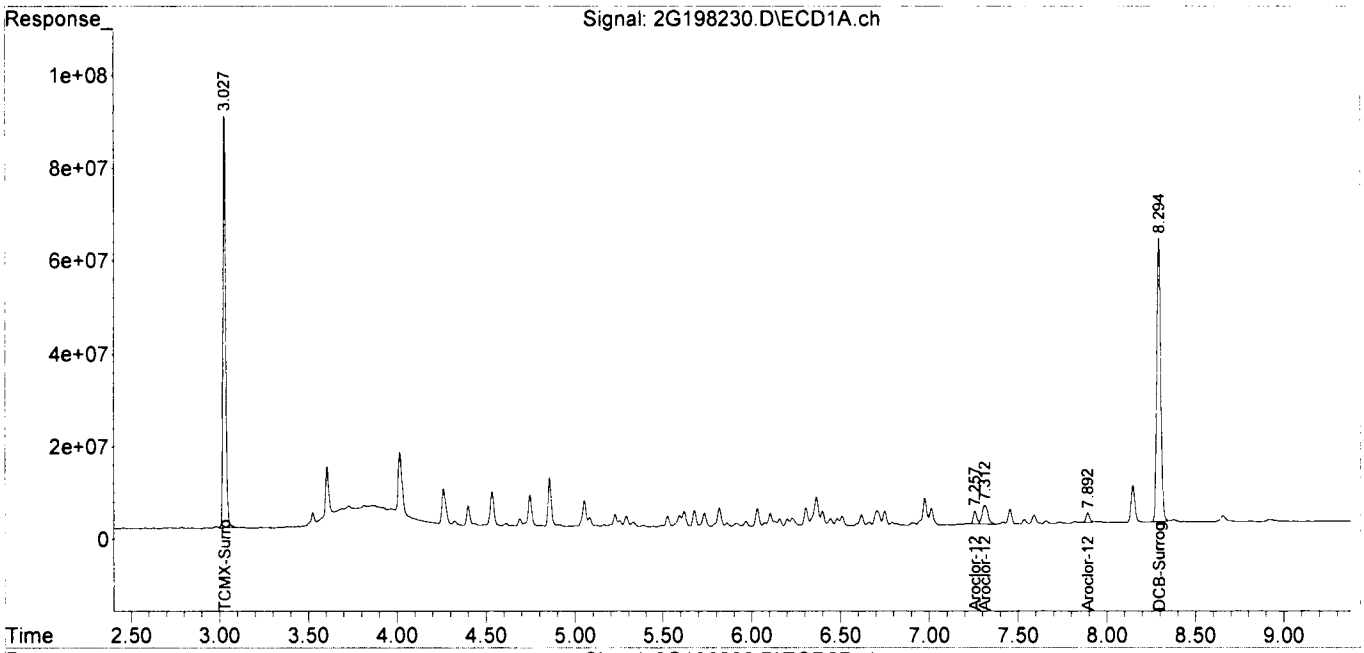
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.028	3.235	934.2E6	1317.1E6	103.112	100.308
36)	Aroclor-1262 {2}	7.257	7.695	39872621	60992297	116.101	132.313m
37)	Aroclor-1262 {3}	7.313	7.786	91029379	68010535	135.278	126.679m
38)	Aroclor-1262 {4}	7.892	8.260	29021209	54314837	92.606m	96.706
45)	DCB-Surrogate	8.295	9.112	943.0E6	1306.5E6	130.939	133.989

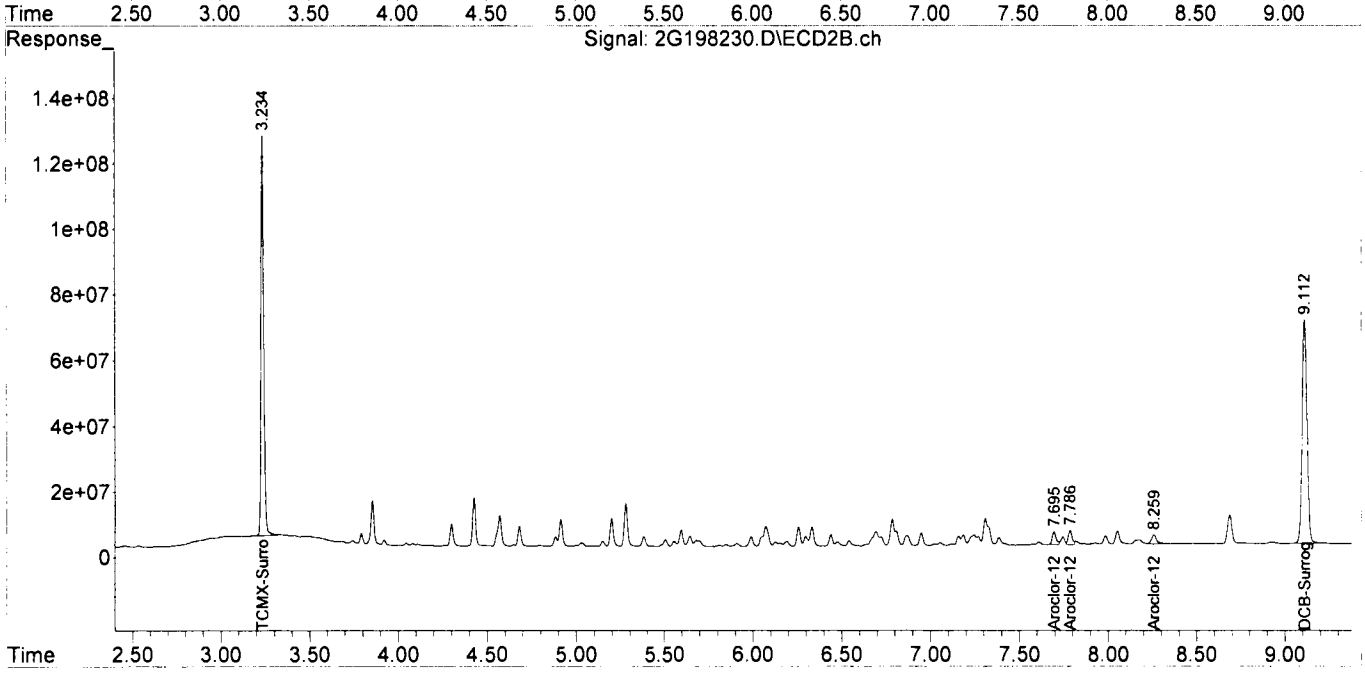
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-11-24\
Data File : 2G198230.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 13:08
Operator : AH/PR/KM
Sample : AD48506-020
Misc : S,PCB
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 14:23:05 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-001
Client Id: SB-12-0-2.0'
Data File: 6G194011.D
Analysis Date: 12/10/24 09:12
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 85

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0059	U	53494-70-5	Endrin Ketone	0.0059	U
309-00-2	Aldrin	0.0059	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0059	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0059	U
319-86-8	delta-BHC	0.0059	U	72-43-5	Methoxychlor	0.0059	U
60-57-1	Dieldrin	0.0012	U	72-54-8	p,p'-DDD	0.0029	U
959-98-8	Endosulfan I	0.0059	U	**72-55-9**	**p,p'-DDE**	**0.0029**	**0.0086**
33213-65-9	Endosulfan II	0.0059	U	**50-29-3**	**(^)p,p'-DDT**	**0.0029**	**0.0085**
1031-07-8	Endosulfan Sulfate	0.0059	U	8001-35-2	Toxaphene	0.029	U
72-20-8	Endrin	0.0059	U	5103-74-2	y-chlordane	0.0059	U
7421-93-4	Endrin Aldehyde	0.0059	U	57-74-9	Chlordane (Total)	0.0059	U

Worksheet #: 764969

Total Target Concentration 0.0086

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 09:12
Operator : AH/PR/KM
Sample : AD48506-001
Misc : S,PEST
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:32:07 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

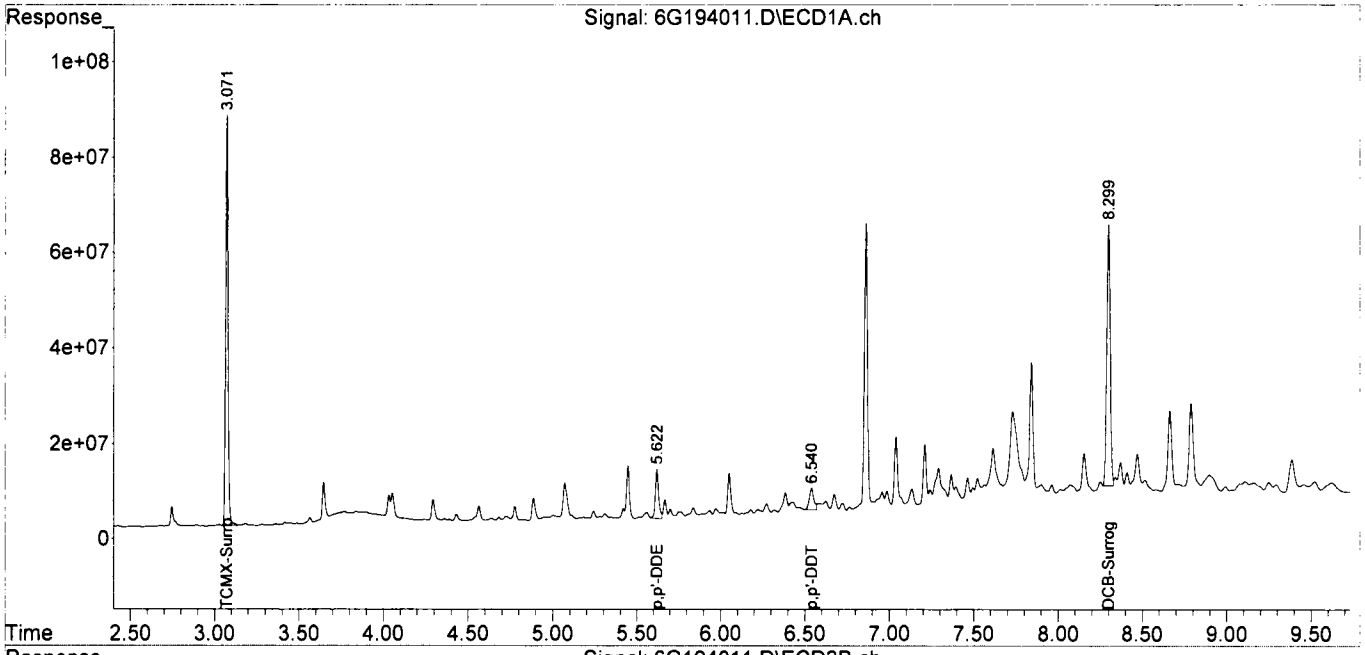
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.072	3.316	860.9E6	689.5E6	89.732	91.890m
12)	p,p'-DDE	5.622	6.058	145.1E6	87682756	14.696m	12.282m
17)	p,p'-DDT	6.540	6.944	85505390	83995174	10.494m	14.428m#
22)	DCB-Surrogate	8.299	9.395	791.0E6	723.4E6	92.863m	118.286 #

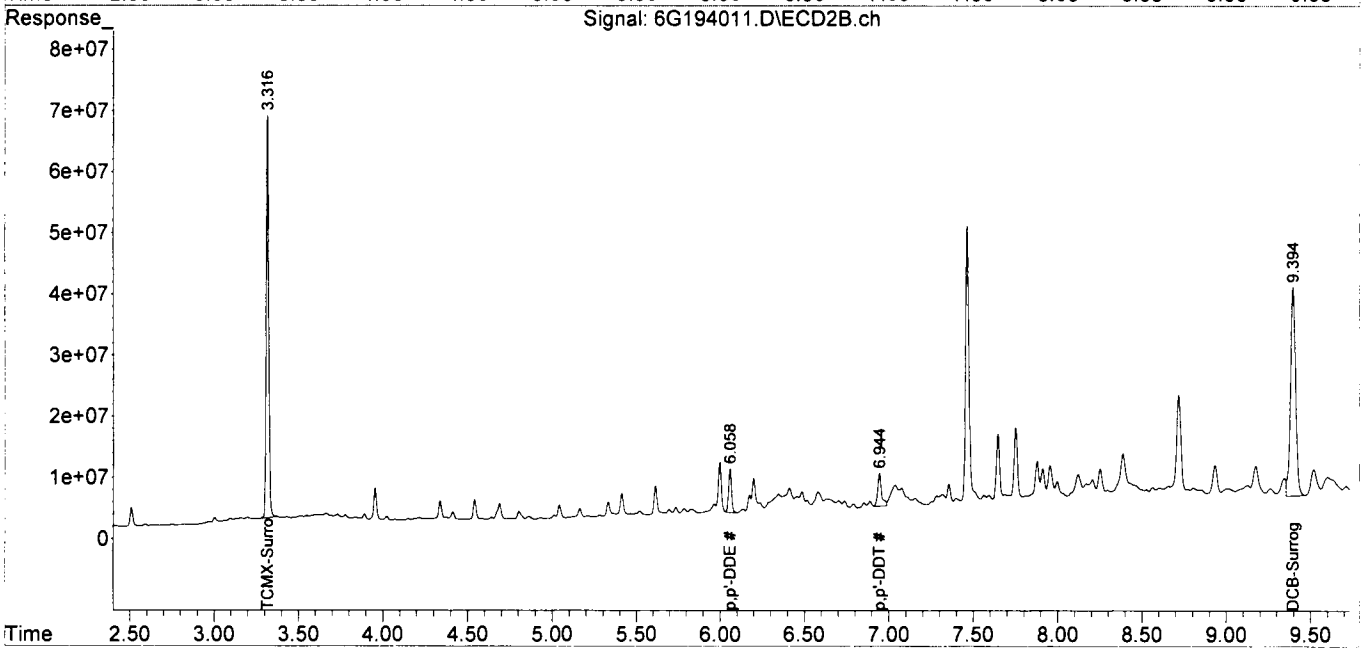
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 09:12
Operator : AH/PR/KM
Sample : AD48506-001
Misc : S,PEST
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:32:07 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-002
Client Id: SB-17-0-2.0'
Data File: 6G194012.D
Analysis Date: 12/10/24 09:24
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0060	U	53494-70-5	Endrin Ketone	0.0060	U
309-00-2	Aldrin	0.0060	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0060	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0060	U
319-86-8	delta-BHC	0.0060	U	72-43-5	Methoxychlor	0.0060	U
60-57-1	Dieldrin	0.0012	U	72-54-8	p,p'-DDD	0.0030	U
959-98-8	Endosulfan I	0.0060	U	**72-55-9**	**p,p'-DDE**	**0.0030**	**0.014**
33213-65-9	Endosulfan II	0.0060	U	**50-29-3**	**(^)p,p'-DDT**	**0.0030**	**0.010**
1031-07-8	Endosulfan Sulfate	0.0060	U	8001-35-2	Toxaphene	0.030	U
72-20-8	Endrin	0.0060	U	5103-74-2	y-chlordane	0.0060	U
7421-93-4	Endrin Aldehyde	0.0060	U	57-74-9	Chlordane (Total)	0.0060	U

Worksheet #: 764969

Total Target Concentration 0.014

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 09:24
Operator : AH/PR/KM
Sample : AD48506-002 (Sig #1); AD485063-002 (Sig #2)
Misc : S,PEST
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:33:37 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

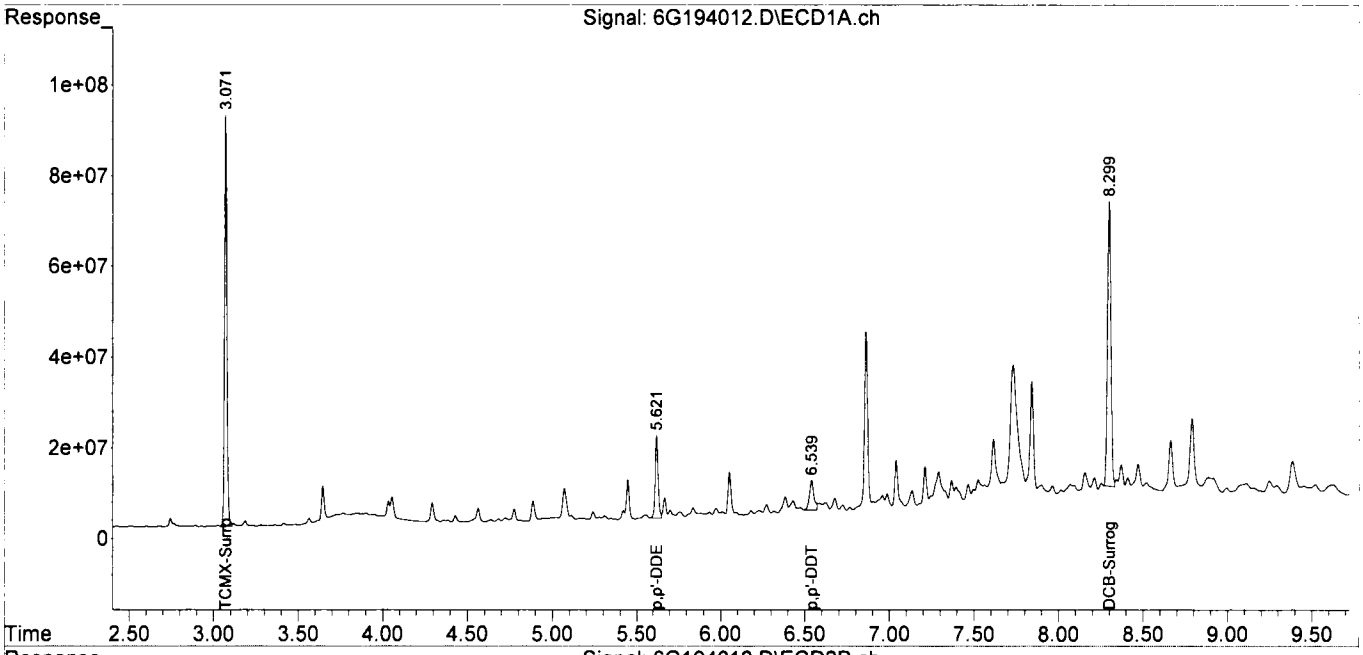
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.071	3.316	896.2E6	729.7E6	93.415	97.259m
12)p,p'-DDE	5.621	6.057	227.6E6	159.1E6	23.051m	22.291m
17)p,p'-DDT	6.539	6.943	118.3E6	101.5E6	14.522m	17.437m
22)DCB-Surrogate	8.299	9.394	906.8E6	824.1E6	106.451m	134.743 #

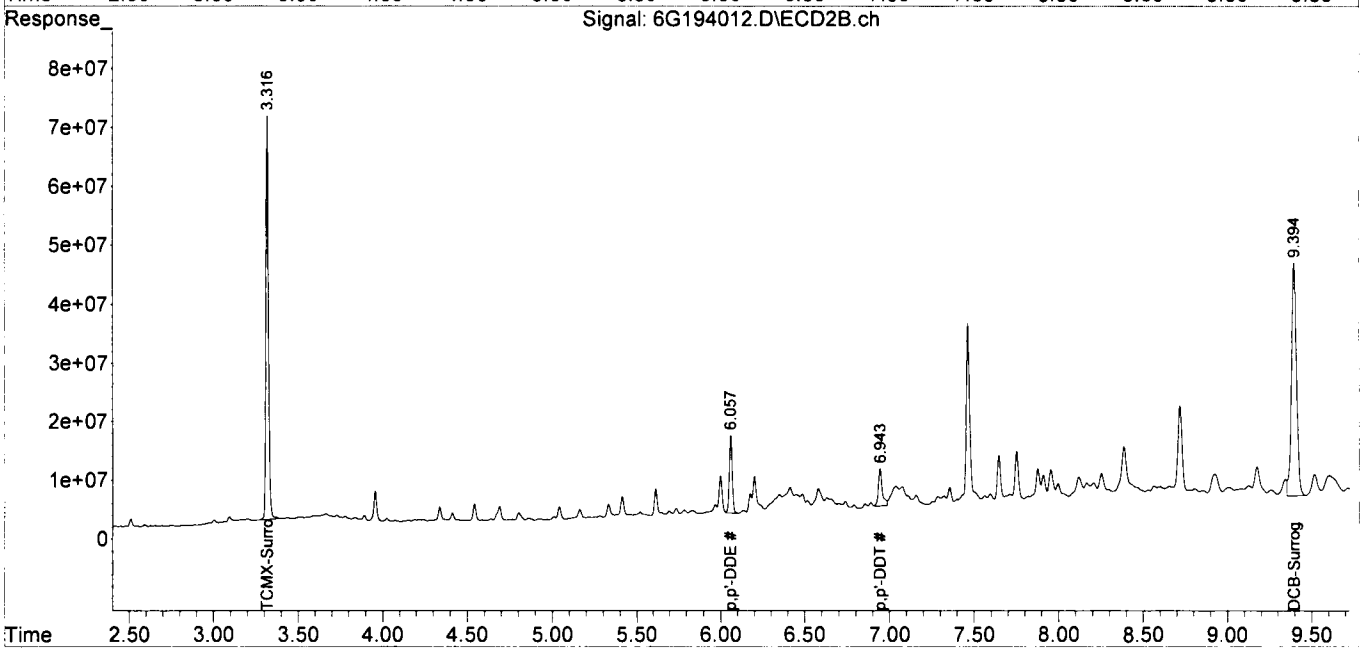
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194012.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 09:24
Operator : AH/PR/KM
Sample : AD48506-002 (Sig #1); AD485063-002 (Sig #2)
Misc : S,PEST
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:33:37 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-003
Client Id: SB-11-0-2.0'
Data File: 6G194013.D
Analysis Date: 12/10/24 09:36
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0060	U	53494-70-5	Endrin Ketone	0.0060	U
309-00-2	Aldrin	0.0060	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0060	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0060	U
319-86-8	delta-BHC	0.0060	U	72-43-5	Methoxychlor	0.0060	U
60-57-1	Dieldrin	0.0012	U	72-54-8	p,p'-DDD	0.0030	U
959-98-8	Endosulfan I	0.0060	U	72-55-9	p,p'-DDE	0.0030	U
33213-65-9	Endosulfan II	0.0060	U	**50-29-3**	**(^)p,p'-DDT**	**0.0030**	**0.0046**
1031-07-8	Endosulfan Sulfate	0.0060	U	8001-35-2	Toxaphene	0.030	U
72-20-8	Endrin	0.0060	U	5103-74-2	y-chlordane	0.0060	U
7421-93-4	Endrin Aldehyde	0.0060	U	57-74-9	Chlordane (Total)	0.0060	U

Worksheet #: 764969

Total Target Concentration 0.0046

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 09:36
Operator : AH/PR/KM
Sample : AD48506-003
Misc : S,PEST
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:35:06 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

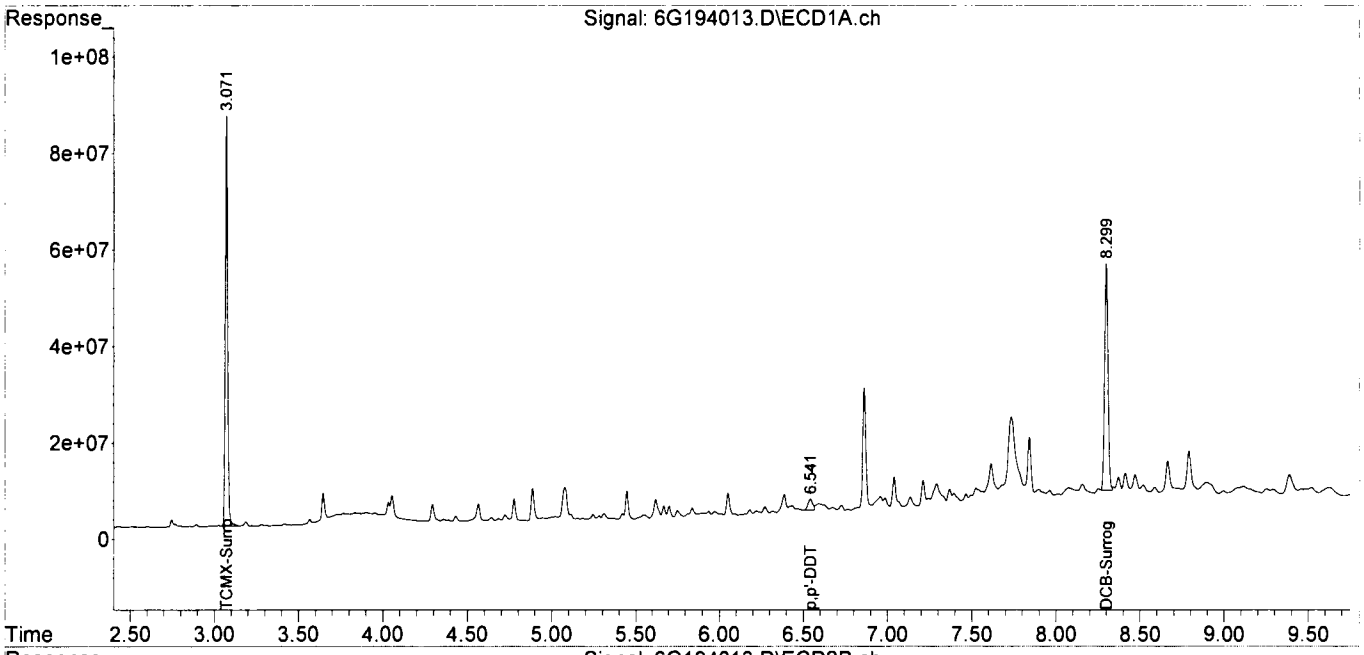
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.071	3.315	848.5E6	678.2E6	88.443	90.389m
17)	p,p'-DDT	6.541	6.944	45617287	45482599	5.598m	7.813m#
22)	DCB-Surrogate	8.299	9.393	674.6E6	629.9E6	79.193m	103.002 #

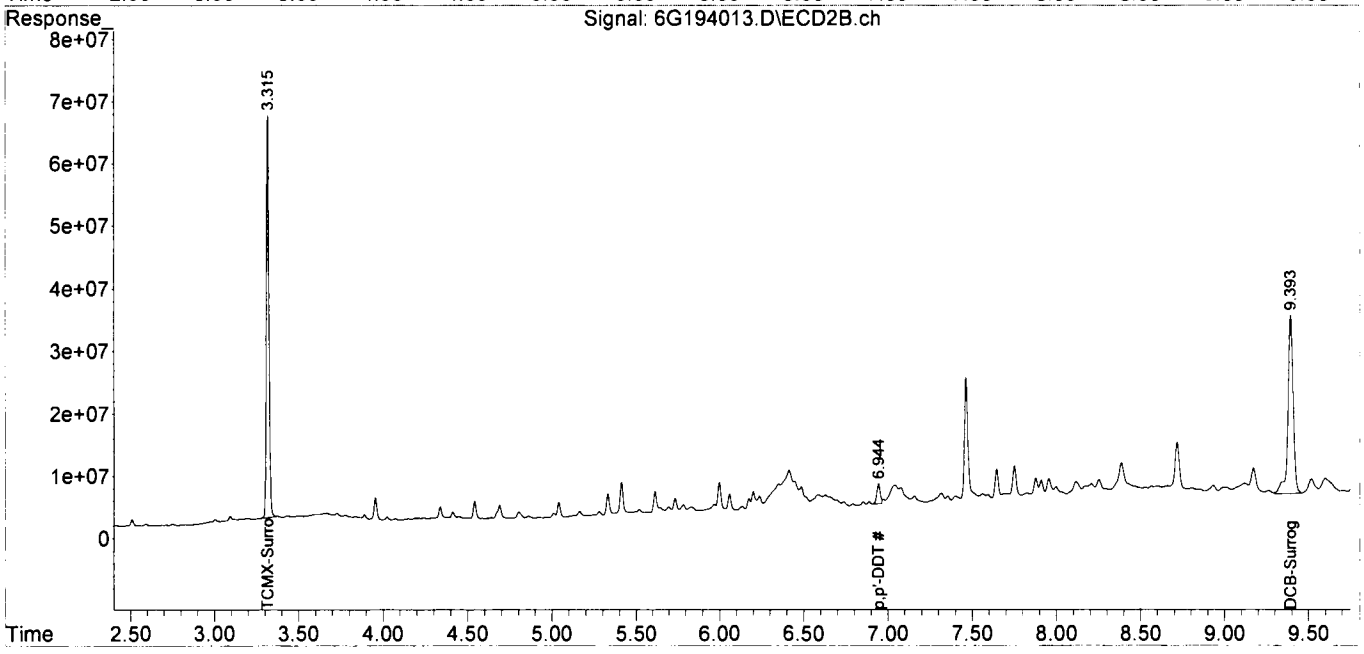
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194013.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 09:36
Operator : AH/PR/KM
Sample : AD48506-003
Misc : S,PEST
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:35:06 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-004
Client Id: SB-10-0-2.0'
Data File: 6G194014.D
Analysis Date: 12/10/24 09:48
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0058	U	53494-70-5	Endrin Ketone	0.0058	U
309-00-2	Aldrin	0.0058	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0058	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0058	U
319-86-8	delta-BHC	0.0058	U	72-43-5	Methoxychlor	0.0058	U
60-57-1	Dieldrin	0.0012	U	72-54-8	p,p'-DDD	0.0029	U
959-98-8	Endosulfan I	0.0058	U	**72-55-9**	**p,p'-DDE**	**0.0029**	**0.0044**
33213-65-9	Endosulfan II	0.0058	U	**50-29-3**	**(^)p,p'-DDT**	**0.0029**	**0.0065**
1031-07-8	Endosulfan Sulfate	0.0058	U	8001-35-2	Toxaphene	0.029	U
72-20-8	Endrin	0.0058	U	5103-74-2	y-chlordane	0.0058	U
7421-93-4	Endrin Aldehyde	0.0058	U	57-74-9	Chlordane (Total)	0.0058	U

Worksheet #: 764969

Total Target Concentration 0.0044

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 09:48
Operator : AH/PR/KM
Sample : AD48506-004
Misc : S,PEST
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:36:44 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

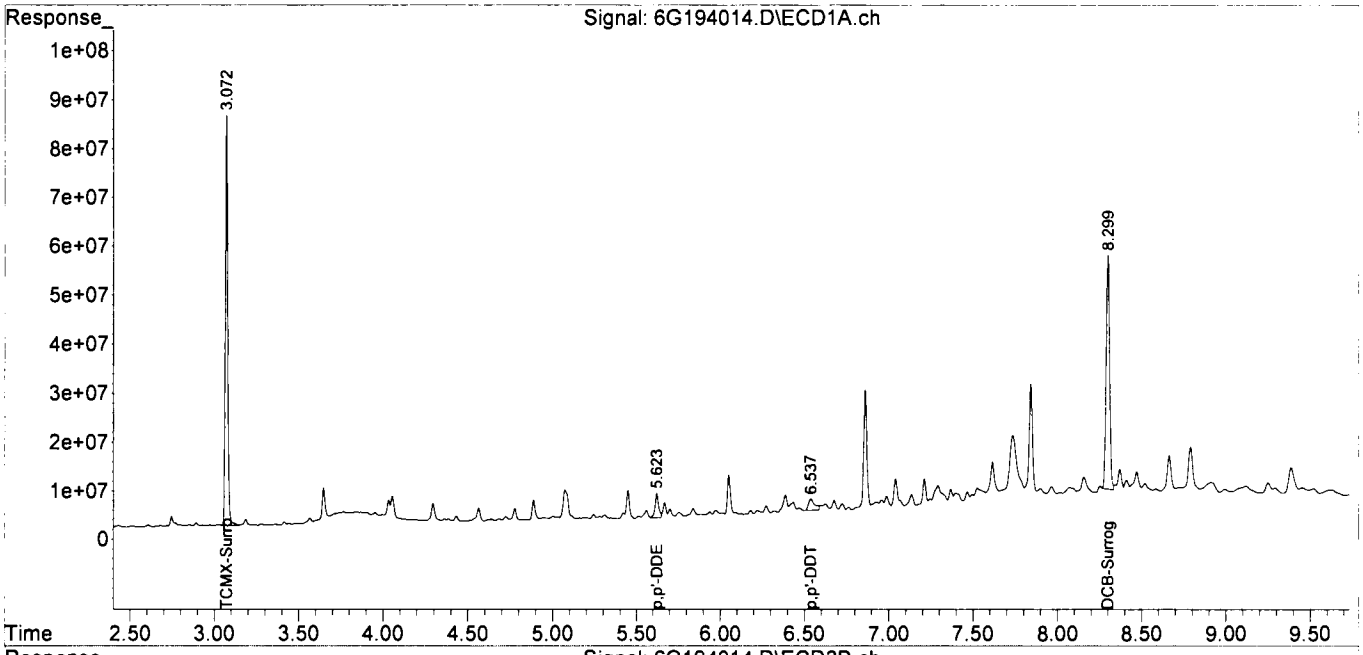
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.072	3.316	845.5E6	679.5E6	88.132	90.568m
12)	p,p'-DDE	5.623	6.058	75199668	44228957	7.617m	6.195m
17)	p,p'-DDT	6.537	6.944	60994685	65017737	7.485m	11.168m#
22)	DCB-Surrogate	8.299	9.394	696.3E6	613.6E6	81.744m	100.322

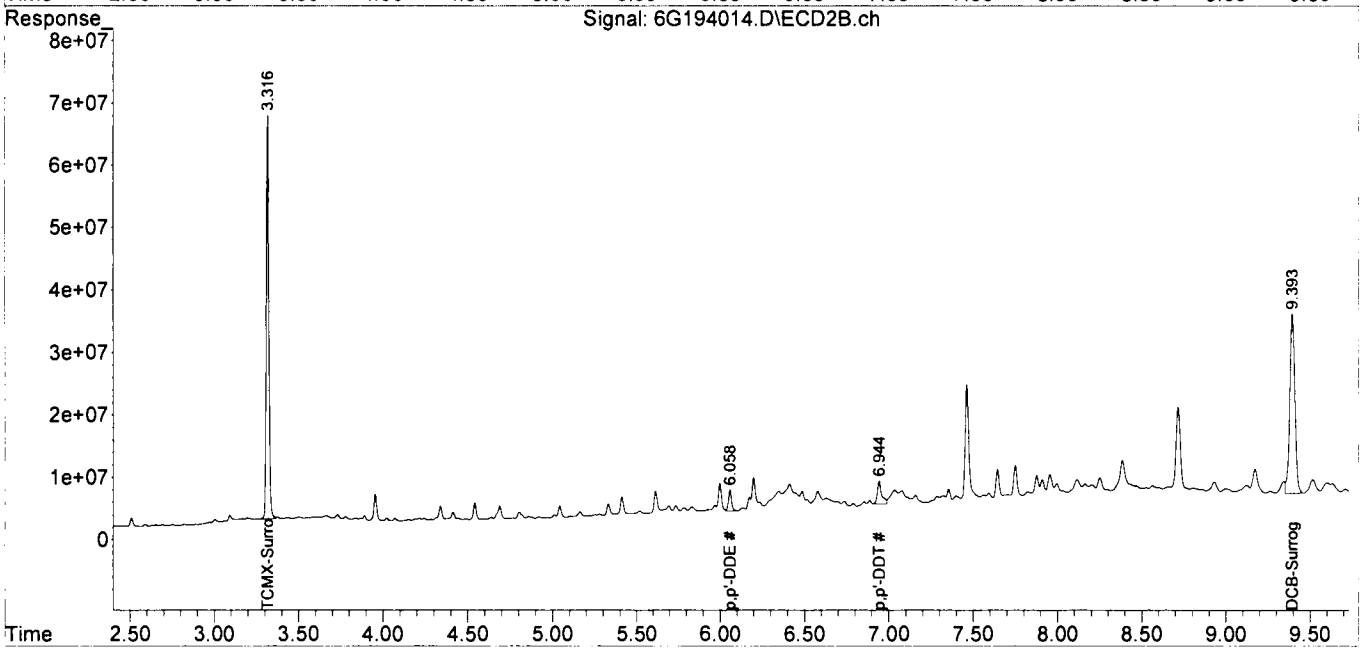
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194014.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 09:48
Operator : AH/PR/KM
Sample : AD48506-004
Misc : S,PEST
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:36:44 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-005
Client Id: SB-22-0-2.0'
Data File: 6G194015.D
Analysis Date: 12/10/24 10:00
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 91

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0055	U	53494-70-5	Endrin Ketone	0.0055	U
309-00-2	Aldrin	0.0055	U	58-89-9	gamma-BHC	0.0011	U
319-84-6	alpha-BHC	0.0011	U	76-44-8	Heptachlor	0.0055	U
319-85-7	beta-BHC	0.0011	U	1024-57-3	Heptachlor Epoxide	0.0055	U
319-86-8	delta-BHC	0.0055	U	72-43-5	Methoxychlor	0.0055	U
60-57-1	Dieldrin	0.0011	U	72-54-8	p,p'-DDD	0.0027	U
959-98-8	Endosulfan I	0.0055	U	72-55-9	p,p'-DDE	0.0027	U
33213-65-9	Endosulfan II	0.0055	U	50-29-3	p,p'-DDT	0.0027	U
1031-07-8	Endosulfan Sulfate	0.0055	U	8001-35-2	Toxaphene	0.027	U
72-20-8	Endrin	0.0055	U	5103-74-2	y-chlordane	0.0055	U
7421-93-4	Endrin Aldehyde	0.0055	U	57-74-9	Chlordane (Total)	0.0055	U

Worksheet #: 764969

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 10:00
Operator : AH/PR/KM
Sample : AD48506-005
Misc : S,PEST
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:37:16 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

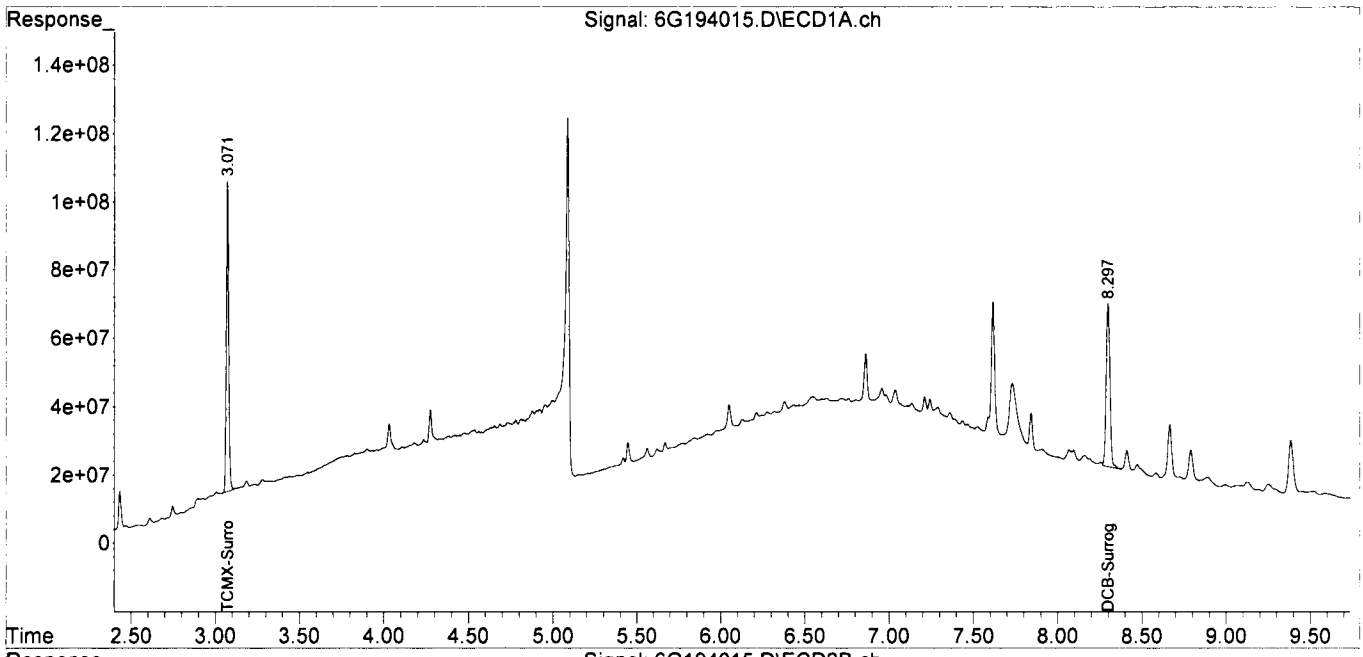
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.071	3.316	905.0E6	720.7E6	94.335m	96.058m
22)	DCB-Surrogate	8.297	9.394	738.0E6	622.7E6	86.632m	101.814m

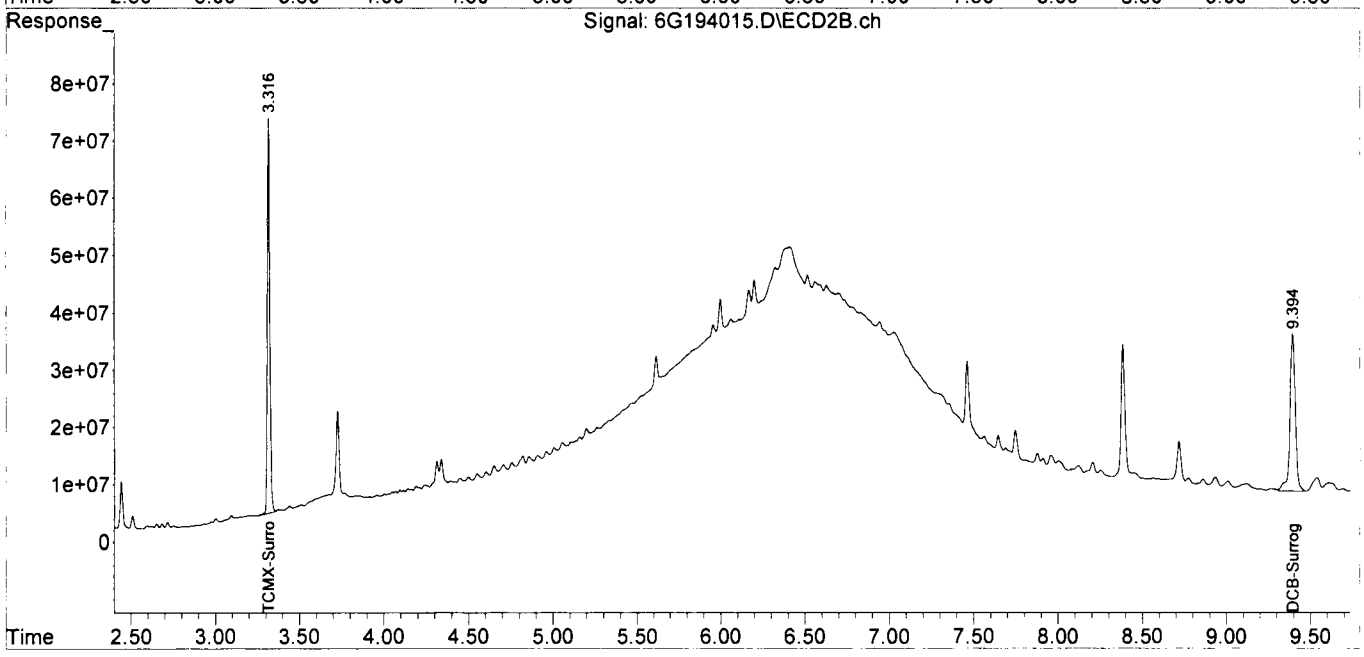
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194015.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 10:00
Operator : AH/PR/KM
Sample : AD48506-005
Misc : S,PEST
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:37:16 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-006
Client Id: SB-02-7.5-8.0'
Data File: 6G194016.D
Analysis Date: 12/10/24 10:12
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 79

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0063	U	53494-70-5	Endrin Ketone	0.0063	U
309-00-2	Aldrin	0.0063	U	58-89-9	gamma-BHC	0.0013	U
319-84-6	alpha-BHC	0.0013	U	76-44-8	Heptachlor	0.0063	U
319-85-7	beta-BHC	0.0013	U	1024-57-3	Heptachlor Epoxide	0.0063	U
319-86-8	delta-BHC	0.0063	U	72-43-5	Methoxychlor	0.0063	U
60-57-1	Dieldrin	0.0013	U	72-54-8	p,p'-DDD	0.0032	U
959-98-8	Endosulfan I	0.0063	U	72-55-9	p,p'-DDE	0.0032	U
33213-65-9	Endosulfan II	0.0063	U	50-29-3	p,p'-DDT	0.0032	U
1031-07-8	Endosulfan Sulfate	0.0063	U	8001-35-2	Toxaphene	0.032	U
72-20-8	Endrin	0.0063	U	5103-74-2	y-chlordane	0.0063	U
7421-93-4	Endrin Aldehyde	0.0063	U	57-74-9	Chlordane (Total)	0.0063	U

Worksheet #: 764969

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 10:12
Operator : AH/PR/KM
Sample : AD48506-006
Misc : S,PEST
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:37:02 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

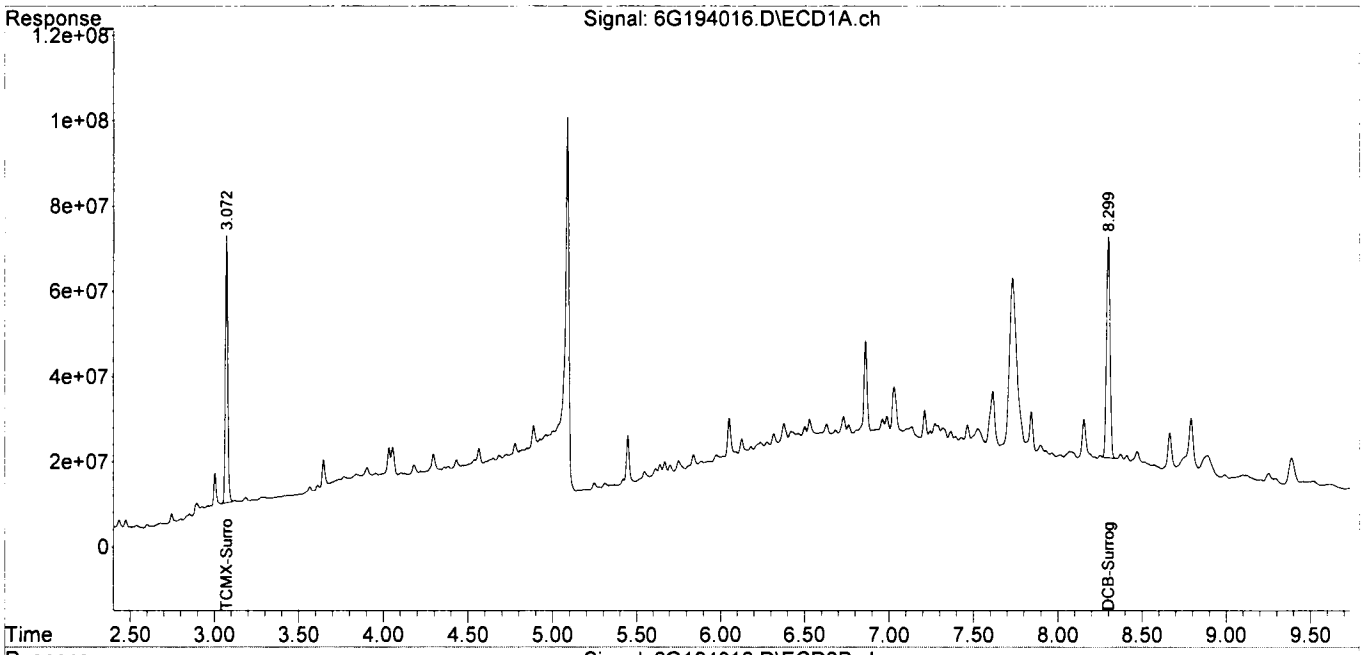
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.072	3.316	624.0E6	505.5E6	65.042m	67.372m
22)	DCB-Surrogate	8.299	9.395	757.6E6	660.4E6	88.932m	107.980m

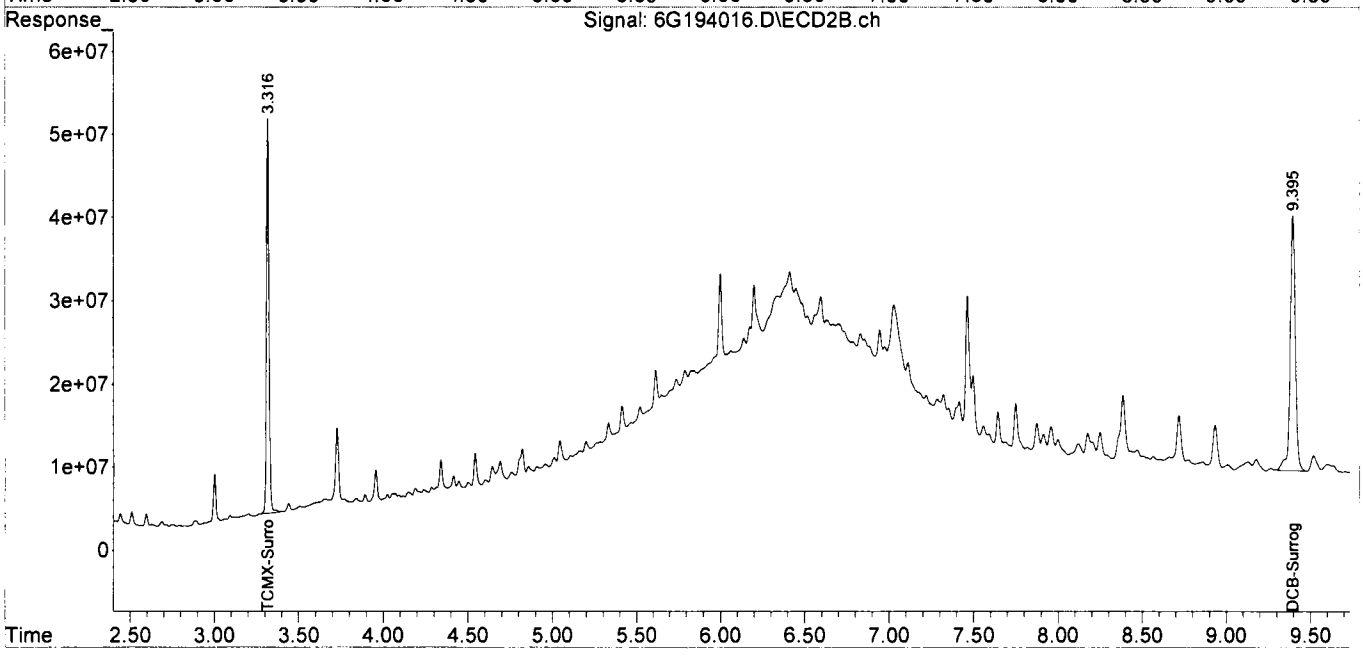
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194016.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 10:12
Operator : AH/PR/KM
Sample : AD48506-006
Misc : S,PEST
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 14:37:02 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-007
Client Id: SB-03-7.5-8.0'
Data File: 6G194017.D
Analysis Date: 12/10/24 10:24
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 62

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0081	U	53494-70-5	Endrin Ketone	0.0081	U
309-00-2	Aldrin	0.0081	U	58-89-9	gamma-BHC	0.0016	U
319-84-6	alpha-BHC	0.0016	U	76-44-8	Heptachlor	0.0081	U
319-85-7	beta-BHC	0.0016	U	1024-57-3	Heptachlor Epoxide	0.0081	U
319-86-8	delta-BHC	0.0081	U	72-43-5	Methoxychlor	0.0081	U
60-57-1	Dieldrin	0.0016	U	72-54-8	p,p'-DDD	0.0040	U
959-98-8	Endosulfan I	0.0081	U	72-55-9	p,p'-DDE	0.0040	U
33213-65-9	Endosulfan II	0.0081	U	50-29-3	p,p'-DDT	0.0040	U
1031-07-8	Endosulfan Sulfate	0.0081	U	8001-35-2	Toxaphene	0.040	U
72-20-8	Endrin	0.0081	U	5103-74-2	y-chlordane	0.0081	U
7421-93-4	Endrin Aldehyde	0.0081	U	57-74-9	Chlordane (Total)	0.0081	U

Worksheet #: 764969

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 10:24
Operator : AH/PR/KM
Sample : AD48506-007
Misc : S,PEST
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:45:57 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

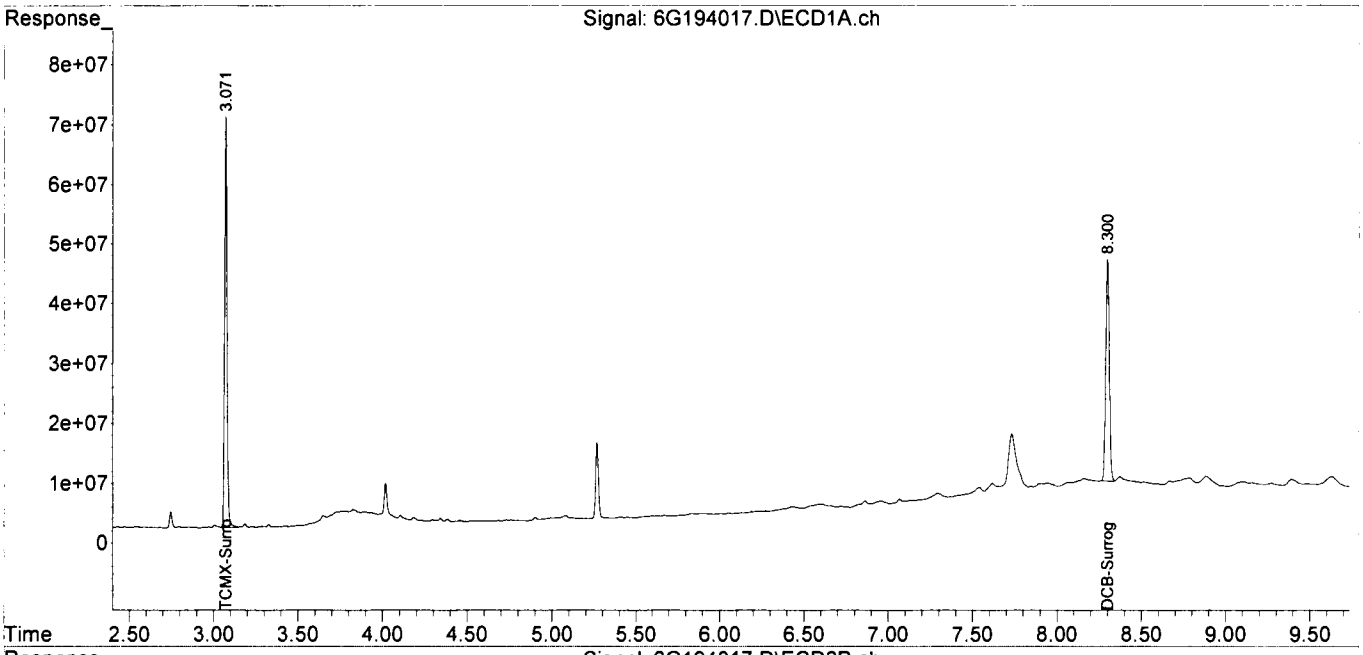
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.072	3.316	694.9E6	542.0E6	72.429	72.230m
22)	DCB-Surrogate	8.300	9.393	557.4E6	461.3E6	65.439m	75.434m

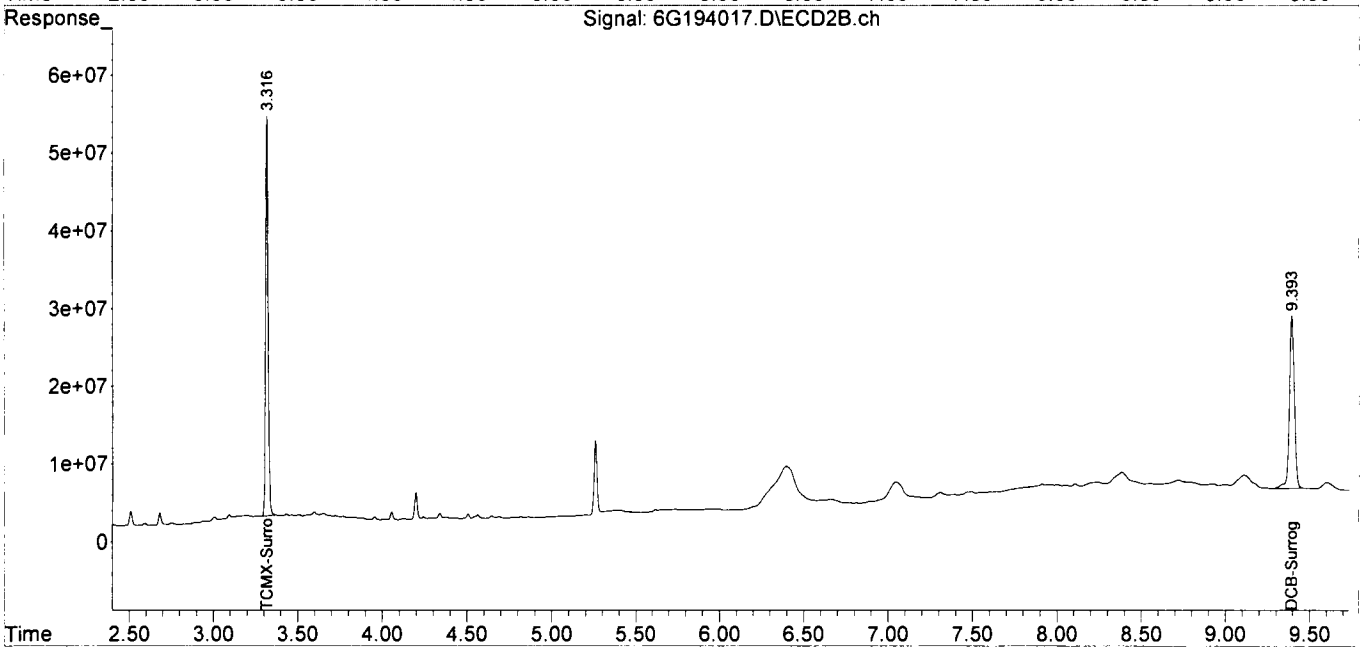
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194017.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 10:24
Operator : AH/PR/KM
Sample : AD48506-007
Misc : S,PEST
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:45:57 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-008
Client Id: SB-04-7.5-8.0
Data File: 6G194018.D
Analysis Date: 12/10/24 10:37
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 57

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0088	U	53494-70-5	Endrin Ketone	0.0088	U
309-00-2	Aldrin	0.0088	U	58-89-9	gamma-BHC	0.0018	U
319-84-6	alpha-BHC	0.0018	U	76-44-8	Heptachlor	0.0088	U
319-85-7	beta-BHC	0.0018	U	1024-57-3	Heptachlor Epoxide	0.0088	U
319-86-8	delta-BHC	0.0088	U	72-43-5	Methoxychlor	0.0088	U
60-57-1	Dieldrin	0.0018	U	72-54-8	p,p'-DDD	0.0044	U
959-98-8	Endosulfan I	0.0088	U	72-55-9	p,p'-DDE	0.0044	U
33213-65-9	Endosulfan II	0.0088	U	50-29-3	p,p'-DDT	0.0044	U
1031-07-8	Endosulfan Sulfate	0.0088	U	8001-35-2	Toxaphene	0.044	U
72-20-8	Endrin	0.0088	U	5103-74-2	y-chlordane	0.0088	U
7421-93-4	Endrin Aldehyde	0.0088	U	57-74-9	Chlordane (Total)	0.0088	U

Worksheet #: 764969

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 10:37
Operator : AH/PR/KM
Sample : AD48506-008
Misc : S,PEST
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:47:29 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

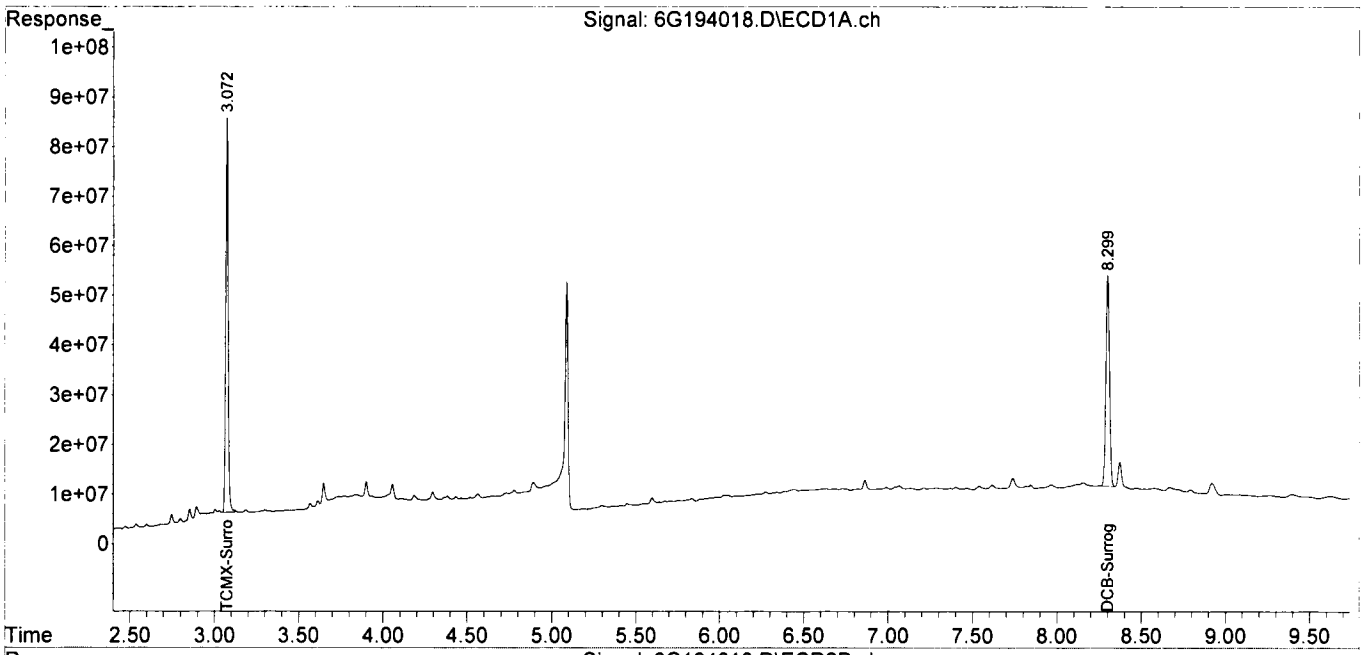
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.072	3.316	798.8E6	648.5E6	83.259m	86.434m
22)	DCB-Surrogate	8.299	9.394	633.7E6	503.7E6	74.396m	82.352m

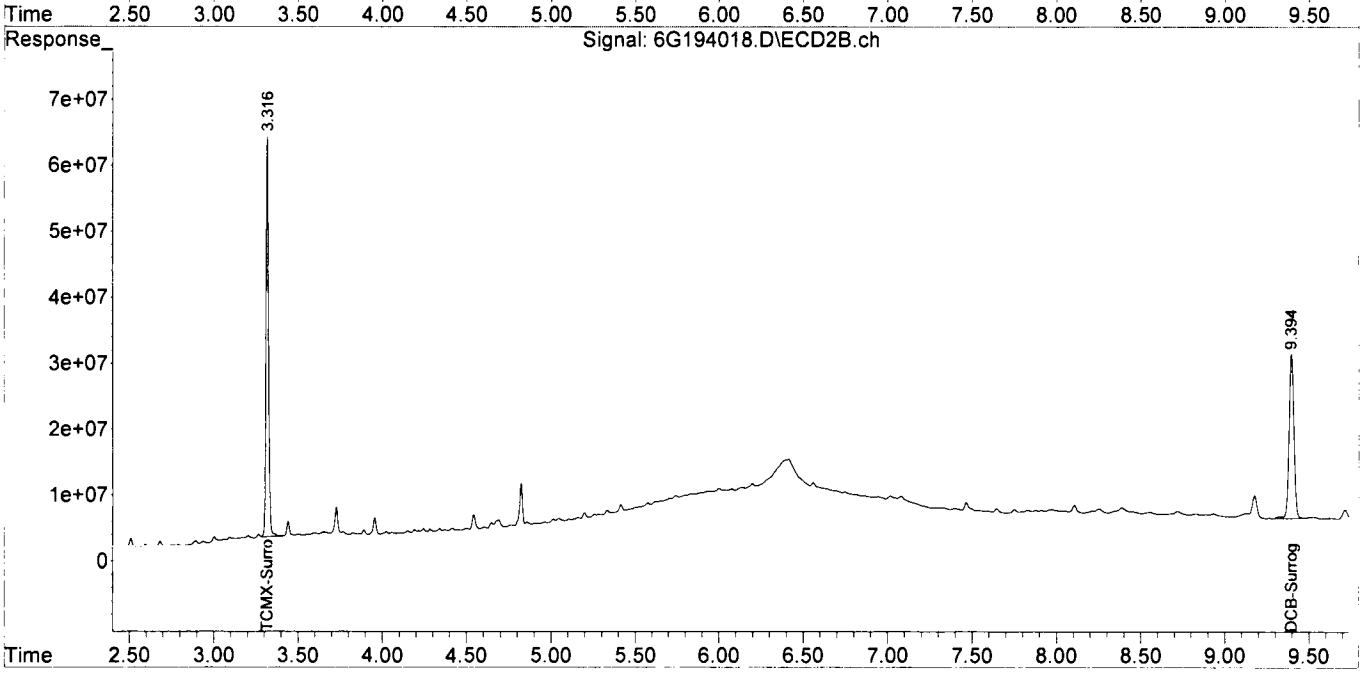
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 10:37
Operator : AH/PR/KM
Sample : AD48506-008
Misc : S,PEST
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:47:29 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-009
Client Id: SB-06-7.5-8.0'
Data File: 6G194019.D
Analysis Date: 12/10/24 10:49
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 67

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0075	U	53494-70-5	Endrin Ketone	0.0075	U
309-00-2	Aldrin	0.0075	U	58-89-9	gamma-BHC	0.0015	U
319-84-6	alpha-BHC	0.0015	U	76-44-8	Heptachlor	0.0075	U
319-85-7	beta-BHC	0.0015	U	1024-57-3	Heptachlor Epoxide	0.0075	U
319-86-8	delta-BHC	0.0075	U	72-43-5	Methoxychlor	0.0075	U
60-57-1	Dieldrin	0.0015	U	72-54-8	p,p'-DDD	0.0037	U
959-98-8	Endosulfan I	0.0075	U	72-55-9	p,p'-DDE	0.0037	U
33213-65-9	Endosulfan II	0.0075	U	50-29-3	p,p'-DDT	0.0037	U
1031-07-8	Endosulfan Sulfate	0.0075	U	8001-35-2	Toxaphene	0.037	U
72-20-8	Endrin	0.0075	U	5103-74-2	y-chlordane	0.0075	U
7421-93-4	Endrin Aldehyde	0.0075	U	57-74-9	Chlordane (Total)	0.0075	U

Worksheet #: 764969

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 10:49
Operator : AH/PR/KM
Sample : AD48506-009
Misc : S,PEST
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:49:43 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

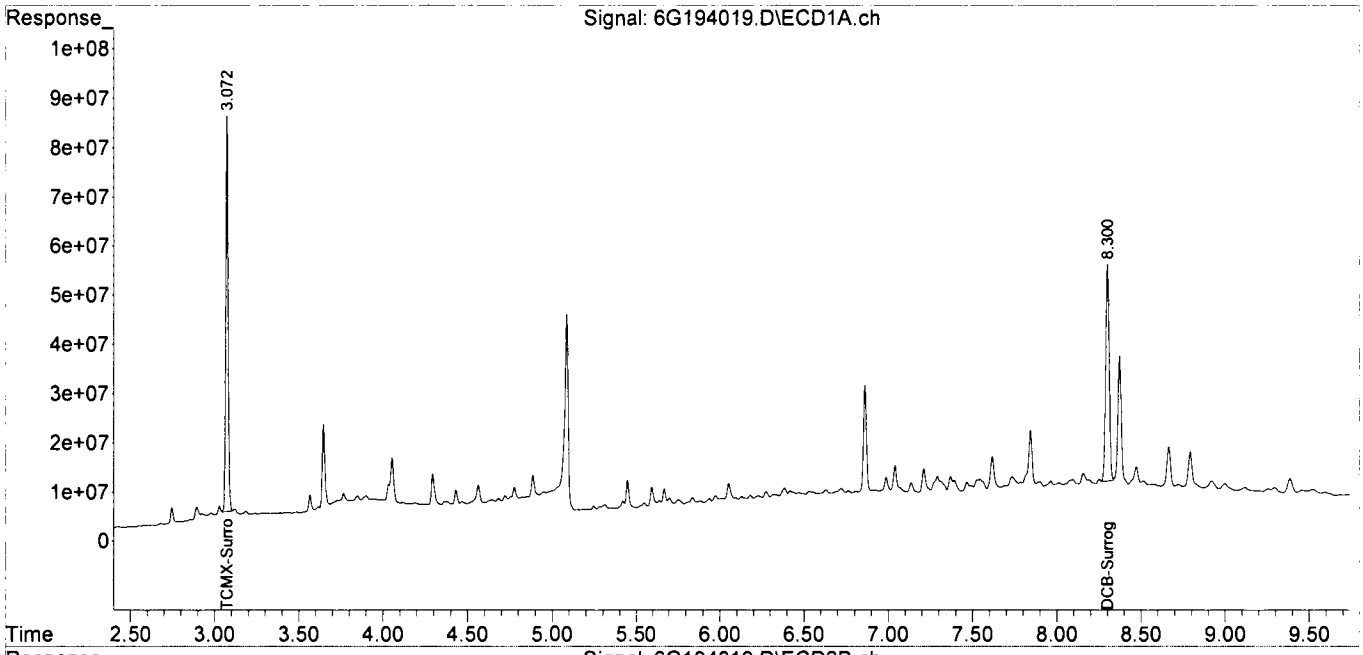
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.072	3.316	793.7E6	675.1E6	82.730m	89.980m
22)	DCB-Surrogate	8.300	9.394	644.6E6	570.9E6	75.669m	93.341m

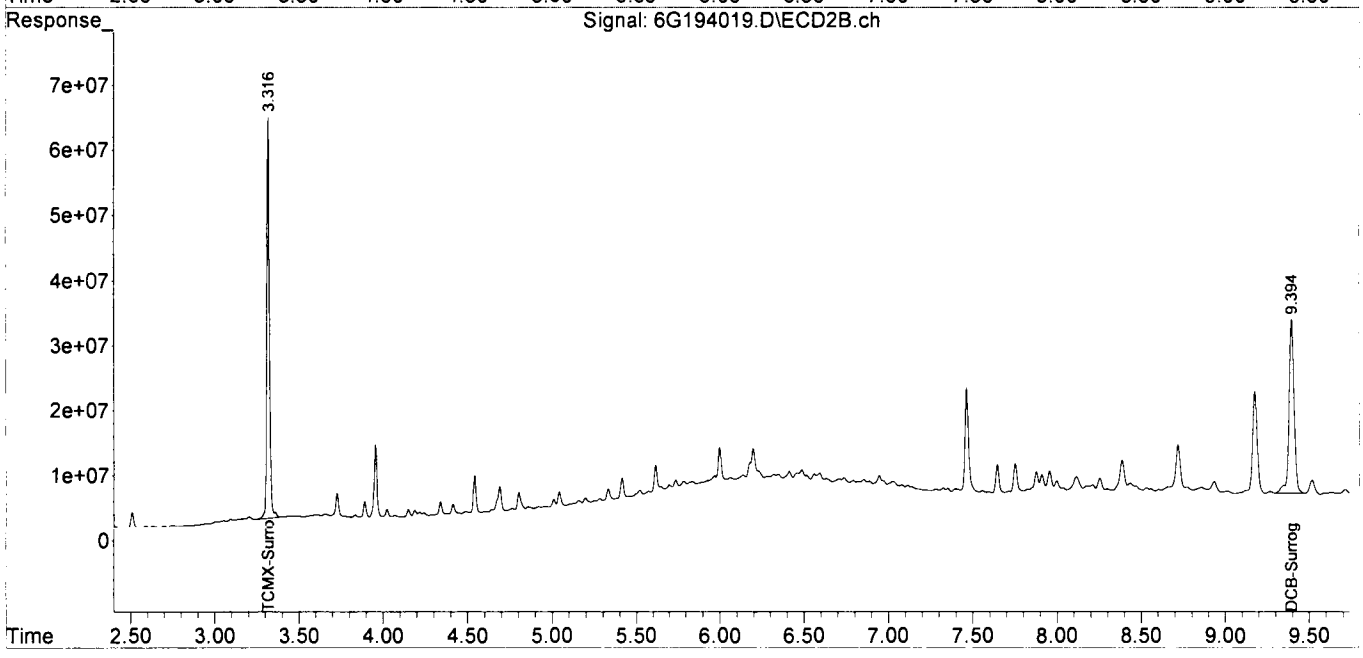
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 10:49
Operator : AH/PR/KM
Sample : AD48506-009
Misc : S,PEST
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:49:43 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-010
Client Id: SB-23-9.5-10.0'
Data File: 6G194020.D
Analysis Date: 12/10/24 11:01
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 74

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0068	U	53494-70-5	Endrin Ketone	0.0068	U
309-00-2	Aldrin	0.0068	U	58-89-9	gamma-BHC	0.0014	U
319-84-6	alpha-BHC	0.0014	U	76-44-8	Heptachlor	0.0068	U
319-85-7	beta-BHC	0.0014	U	1024-57-3	Heptachlor Epoxide	0.0068	U
319-86-8	delta-BHC	0.0068	U	72-43-5	Methoxychlor	0.0068	U
60-57-1	Dieldrin	0.0014	U	72-54-8	p,p'-DDD	0.0034	U
959-98-8	Endosulfan I	0.0068	U	72-55-9	p,p'-DDE	0.0034	U
33213-65-9	Endosulfan II	0.0068	U	50-29-3	p,p'-DDT	0.0034	U
1031-07-8	Endosulfan Sulfate	0.0068	U	8001-35-2	Toxaphene	0.034	U
72-20-8	Endrin	0.0068	U	5103-74-2	y-chlordane	0.0068	U
7421-93-4	Endrin Aldehyde	0.0068	U	57-74-9	Chlordane (Total)	0.0068	U

Worksheet #: 764969

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 11:01
Operator : AH/PR/KM
Sample : AD48506-010
Misc : S,PEST
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:51:45 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

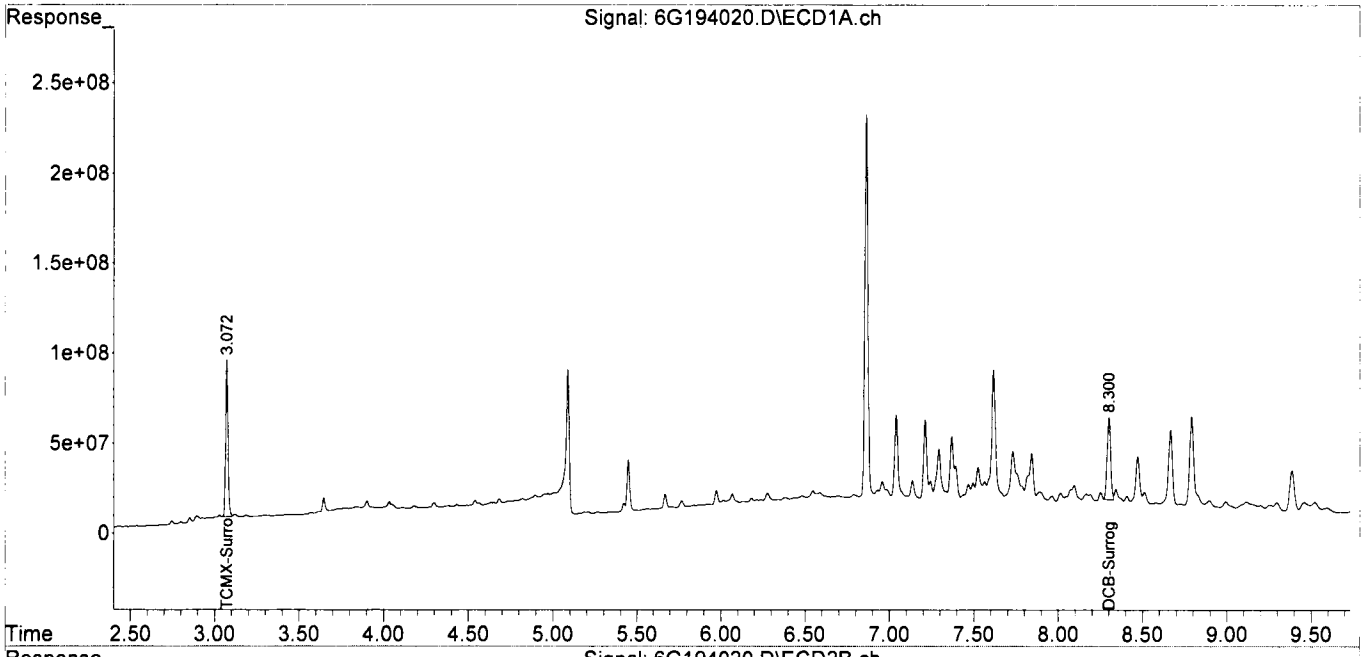
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.072	3.316	867.3E6	711.2E6	90.400m	94.788m
22)	DCB-Surrogate	8.300	9.395	678.4E6	645.7E6	79.641m	105.571m#

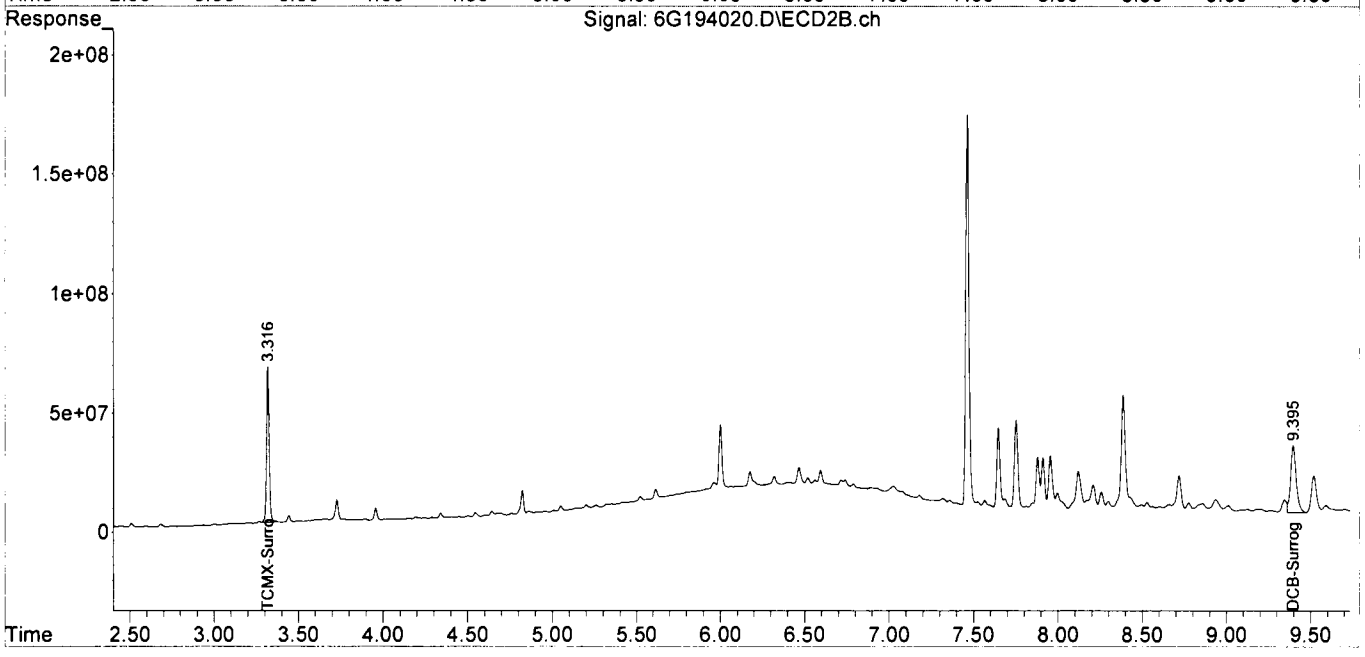
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 11:01
Operator : AH/PR/KM
Sample : AD48506-010
Misc : S,PEST
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:51:45 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-011
Client Id: SB-25-9.5-10.0'
Data File: 6G194021.D
Analysis Date: 12/10/24 11:13
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0057	U	53494-70-5	Endrin Ketone	0.0057	U
309-00-2	Aldrin	0.0057	U	58-89-9	gamma-BHC	0.0011	U
319-84-6	alpha-BHC	0.0011	U	76-44-8	Heptachlor	0.0057	U
319-85-7	beta-BHC	0.0011	U	1024-57-3	Heptachlor Epoxide	0.0057	U
319-86-8	delta-BHC	0.0057	U	72-43-5	Methoxychlor	0.0057	U
60-57-1	Dieldrin	0.0011	U	72-54-8	p,p'-DDD	0.0028	U
959-98-8	Endosulfan I	0.0057	U	72-55-9	p,p'-DDE	0.0028	U
33213-65-9	Endosulfan II	0.0057	U	50-29-3	p,p'-DDT	0.0028	U
1031-07-8	Endosulfan Sulfate	0.0057	U	8001-35-2	Toxaphene	0.028	U
72-20-8	Endrin	0.0057	U	5103-74-2	y-chlordane	0.0057	U
7421-93-4	Endrin Aldehyde	0.0057	U	57-74-9	Chlordane (Total)	0.0057	U

Worksheet #: 764969

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 11:13
Operator : AH/PR/KM
Sample : AD48506-011
Misc : S,PEST
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:52:31 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

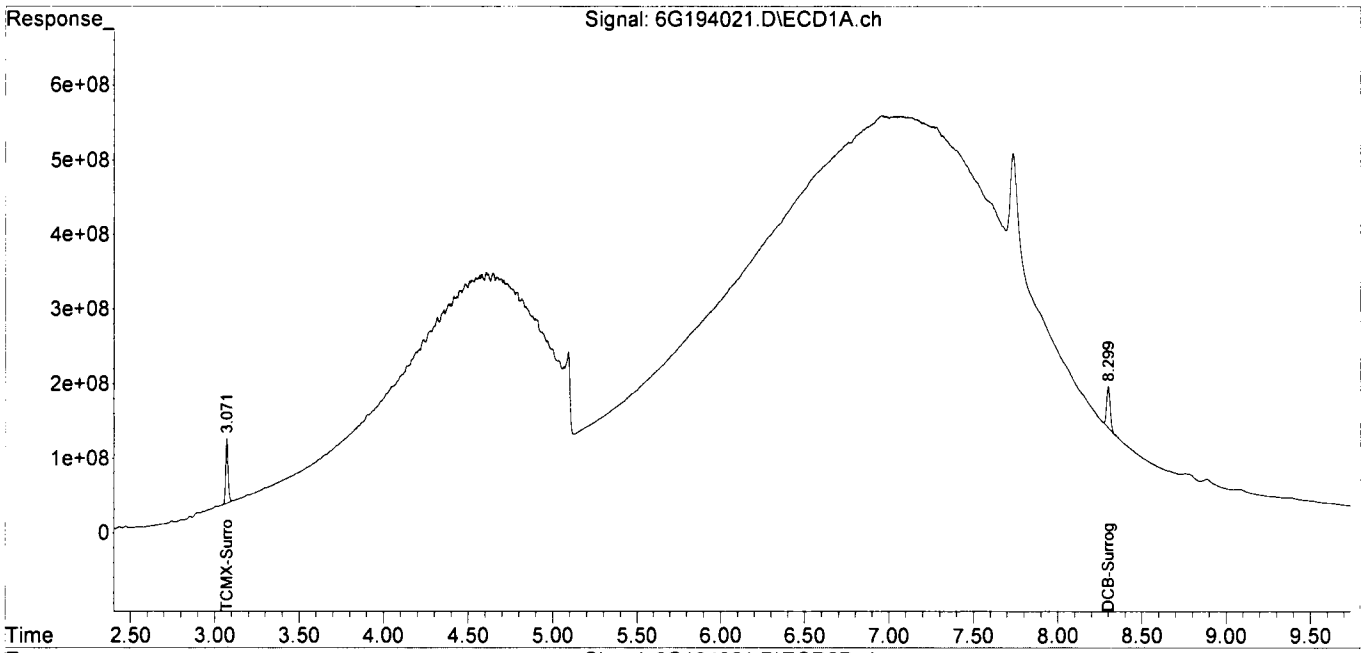
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.071	3.316	881.0E6	692.0E6	91.835m	92.234m
22)	DCB-Surrogate	8.299	9.394	824.2E6	642.7E6	96.750m	105.093m

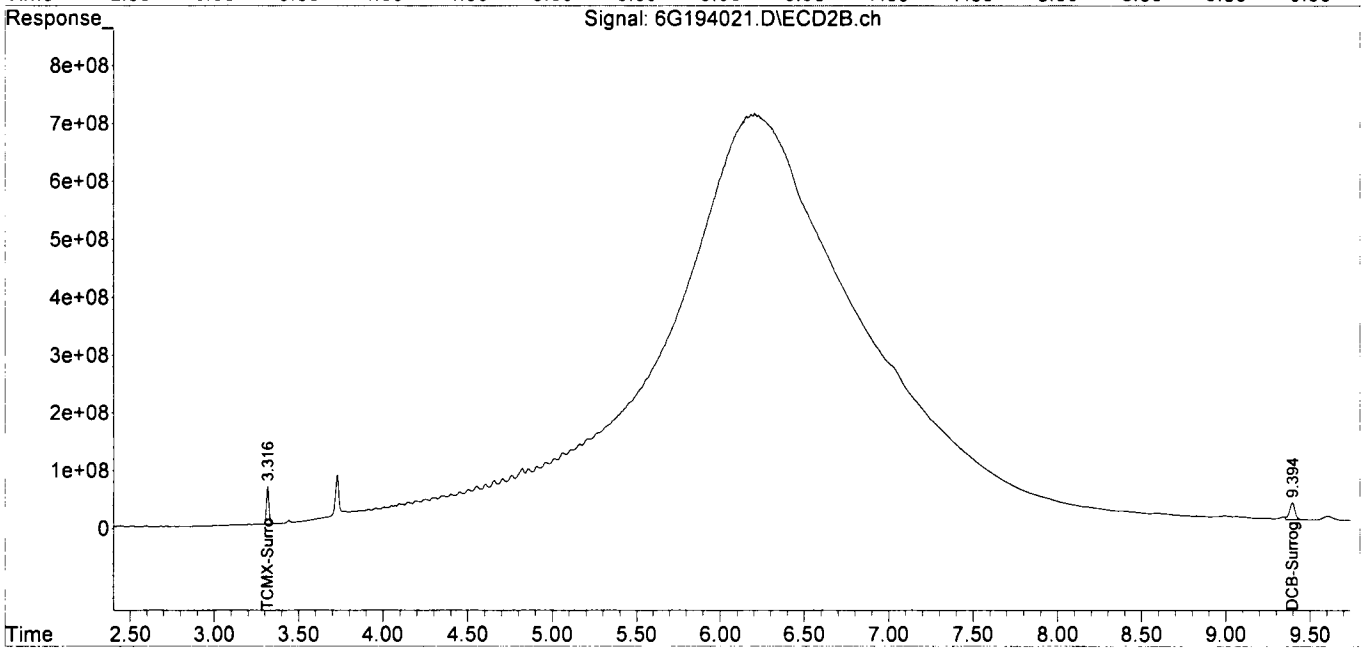
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 11:13
Operator : AH/PR/KM
Sample : AD48506-011
Misc : S,PEST
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:52:31 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-012
Client Id: SB-05-7.5-8.0'
Data File: 6G194022.D
Analysis Date: 12/10/24 11:25
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 80

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0063	U	53494-70-5	Endrin Ketone	0.0063	U
309-00-2	Aldrin	0.0063	U	58-89-9	gamma-BHC	0.0013	U
319-84-6	alpha-BHC	0.0013	U	76-44-8	Heptachlor	0.0063	U
319-85-7	beta-BHC	0.0013	U	1024-57-3	Heptachlor Epoxide	0.0063	U
319-86-8	delta-BHC	0.0063	U	72-43-5	Methoxychlor	0.0063	U
60-57-1	Dieldrin	0.0013	U	72-54-8	p,p'-DDD	0.0031	U
959-98-8	Endosulfan I	0.0063	U	72-55-9	p,p'-DDE	0.0031	U
33213-65-9	Endosulfan II	0.0063	U	50-29-3	p,p'-DDT	0.0031	U
1031-07-8	Endosulfan Sulfate	0.0063	U	8001-35-2	Toxaphene	0.031	U
72-20-8	Endrin	0.0063	U	5103-74-2	y-chlordane	0.0063	U
7421-93-4	Endrin Aldehyde	0.0063	U	57-74-9	Chlordane (Total)	0.0063	U

Worksheet #: 764969

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 11:25
Operator : AH/PR/KM
Sample : AD48506-012
Misc : S,PEST
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:54:01 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

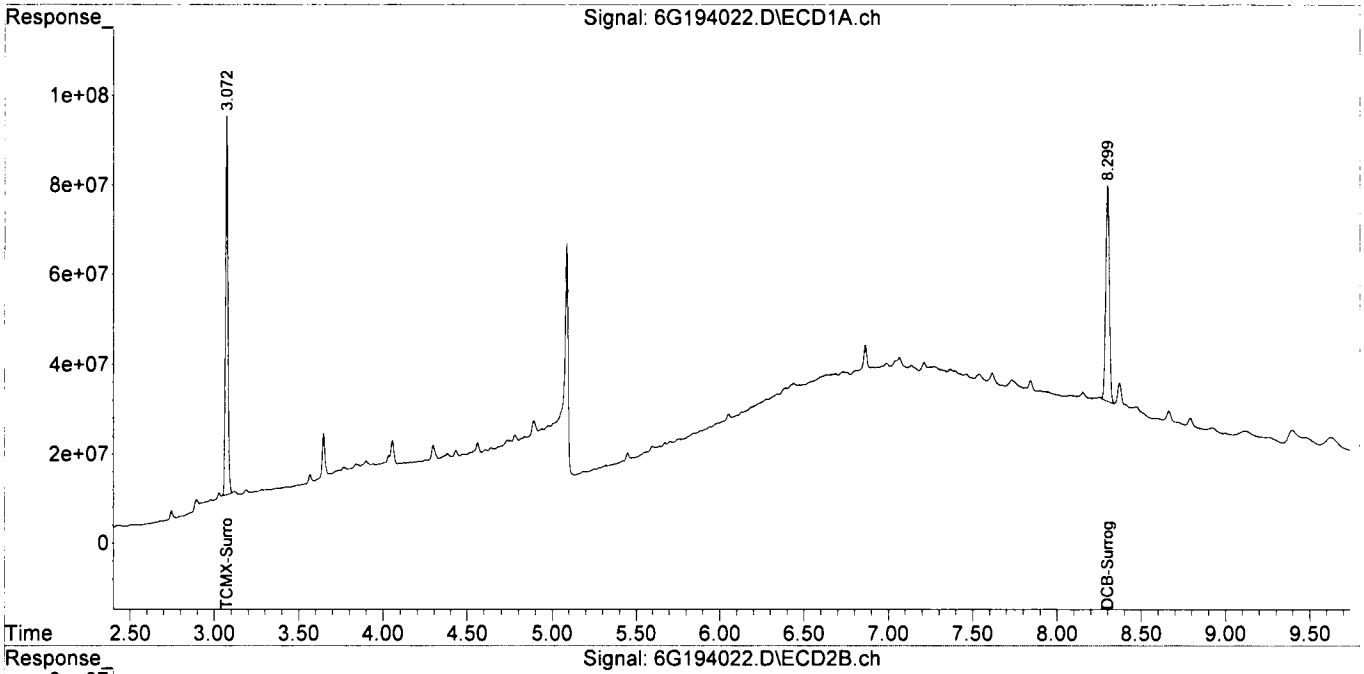
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.072	3.316	834.7E6	692.3E6	87.000m	92.269m
22)	DCB-Surrogate	8.299	9.394	730.2E6	560.3E6	85.717m	91.609m

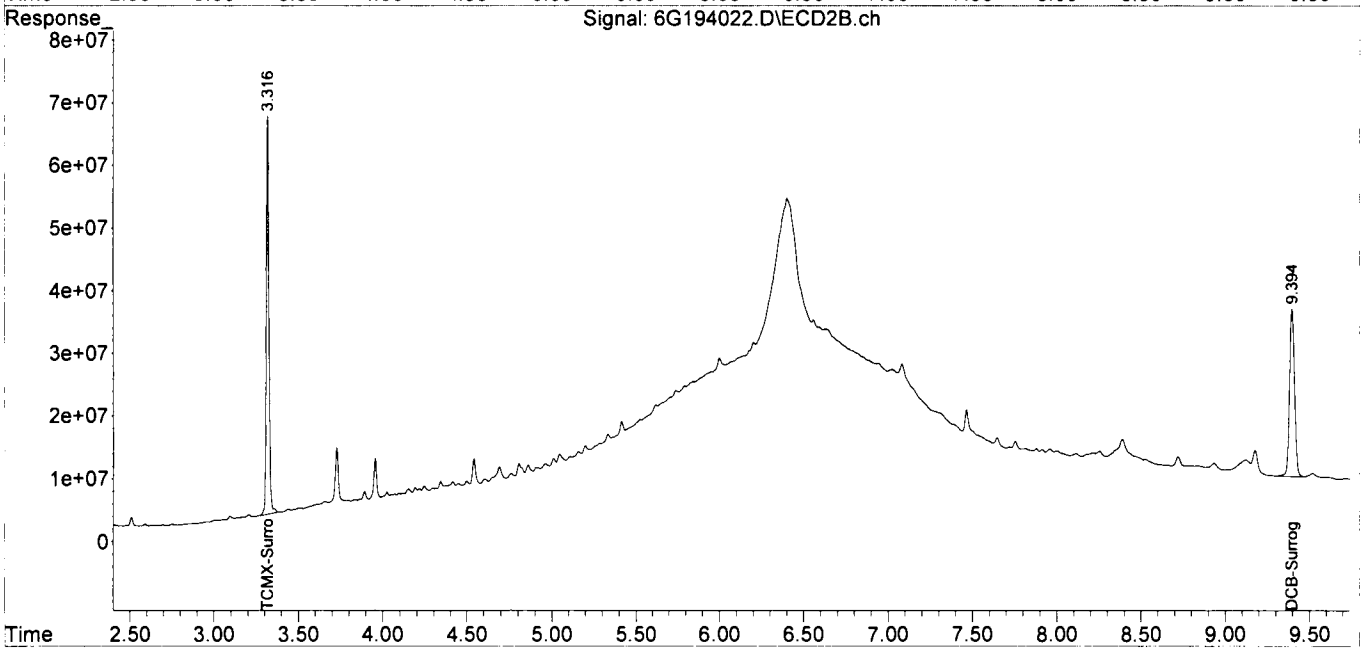
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 11:25
Operator : AH/PR/KM
Sample : AD48506-012
Misc : S,PEST
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:54:01 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-013
Client Id: SB-15-7.5-8.0'
Data File: 6G194023.D
Analysis Date: 12/10/24 11:37
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 73

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0068	U	53494-70-5	Endrin Ketone	0.0068	U
309-00-2	Aldrin	0.0068	U	58-89-9	gamma-BHC	0.0014	U
319-84-6	alpha-BHC	0.0014	U	76-44-8	Heptachlor	0.0068	U
319-85-7	beta-BHC	0.0014	U	1024-57-3	Heptachlor Epoxide	0.0068	U
319-86-8	delta-BHC	0.0068	U	72-43-5	Methoxychlor	0.0068	U
60-57-1	Dieldrin	0.0014	U	72-54-8	p,p'-DDD	0.0034	U
959-98-8	Endosulfan I	0.0068	U	72-55-9	p,p'-DDE	0.0034	U
33213-65-9	Endosulfan II	0.0068	U	50-29-3	p,p'-DDT	0.0034	U
1031-07-8	Endosulfan Sulfate	0.0068	U	8001-35-2	Toxaphene	0.034	U
72-20-8	Endrin	0.0068	U	5103-74-2	y-chlordane	0.0068	U
7421-93-4	Endrin Aldehyde	0.0068	U	57-74-9	Chlordane (Total)	0.0068	U

Worksheet #: 764969

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 11:37
Operator : AH/PR/KM
Sample : AD48506-013
Misc : S,PEST
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:55:44 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.072	3.316	866.4E6	709.8E6	90.309m	94.604m
22)	DCB-Surrogate	8.298	9.394	723.0E6	670.9E6	84.870m	109.698m#

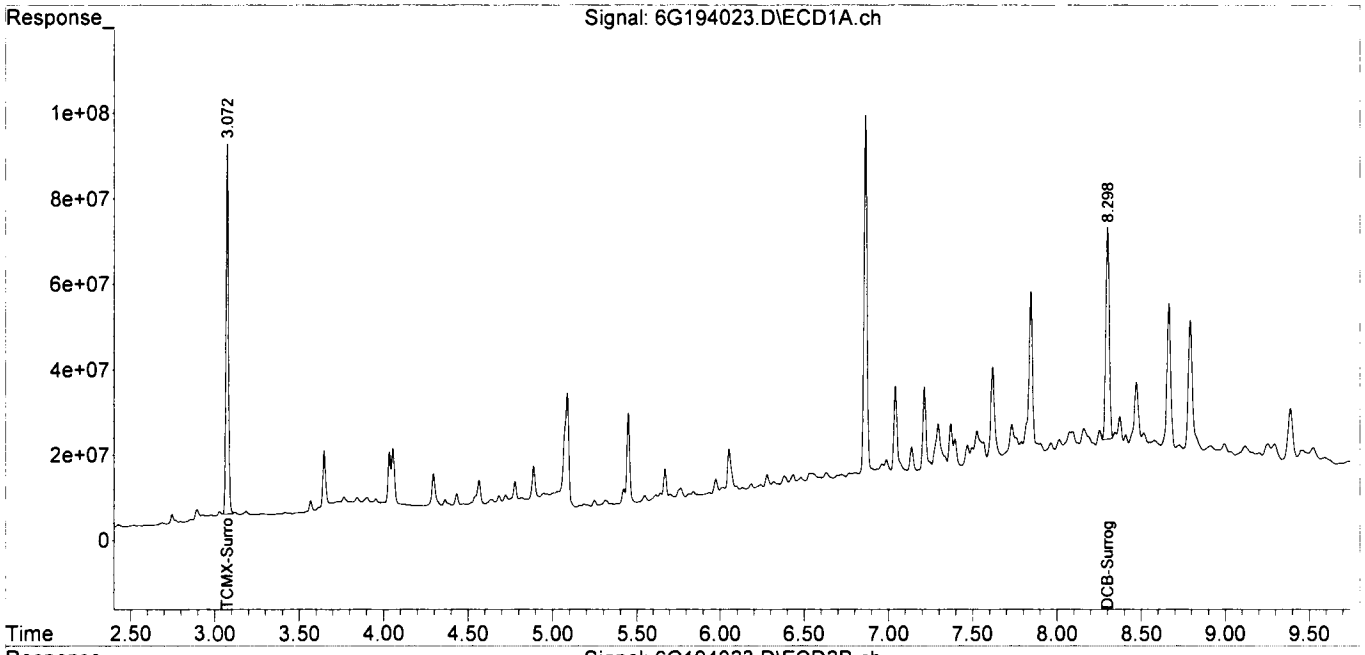
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

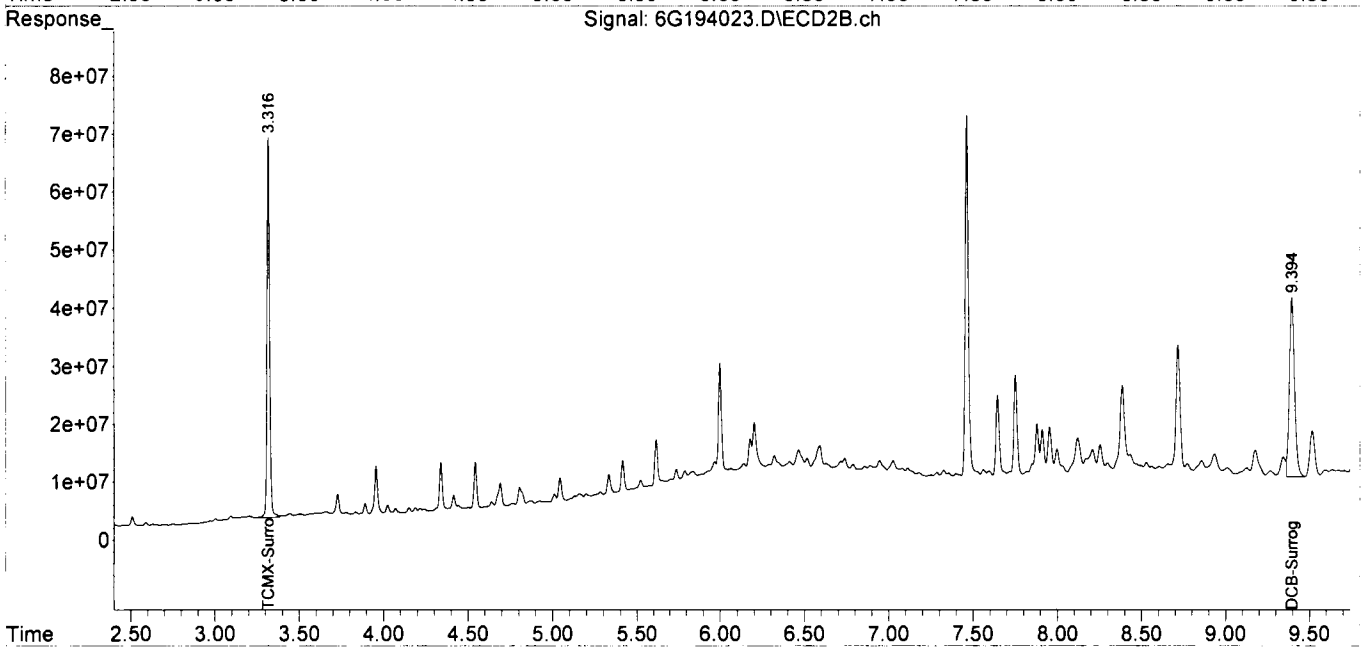
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 11:37
Operator : AH/PR/KM
Sample : AD48506-013
Misc : S,PEST
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:55:44 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-014
Client Id: SB-16-7.5-8.0'
Data File: 6G194024.D
Analysis Date: 12/10/24 11:49
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 71

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0070	U	53494-70-5	Endrin Ketone	0.0070	U
309-00-2	Aldrin	0.0070	U	58-89-9	gamma-BHC	0.0014	U
319-84-6	alpha-BHC	0.0014	U	76-44-8	Heptachlor	0.0070	U
319-85-7	beta-BHC	0.0014	U	1024-57-3	Heptachlor Epoxide	0.0070	U
319-86-8	delta-BHC	0.0070	U	72-43-5	Methoxychlor	0.0070	U
60-57-1	Dieldrin	0.0014	U	72-54-8	p,p'-DDD	0.0035	U
959-98-8	Endosulfan I	0.0070	U	72-55-9	p,p'-DDE	0.0035	U
33213-65-9	Endosulfan II	0.0070	U	50-29-3	p,p'-DDT	0.0035	U
1031-07-8	Endosulfan Sulfate	0.0070	U	8001-35-2	Toxaphene	0.035	U
72-20-8	Endrin	0.0070	U	5103-74-2	y-chlordane	0.0070	U
7421-93-4	Endrin Aldehyde	0.0070	U	57-74-9	Chlordane (Total)	0.0070	U

Worksheet #: 764969

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 11:49
Operator : AH/PR/KM
Sample : AD48506-014
Misc : S,PEST
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 12:21:59 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

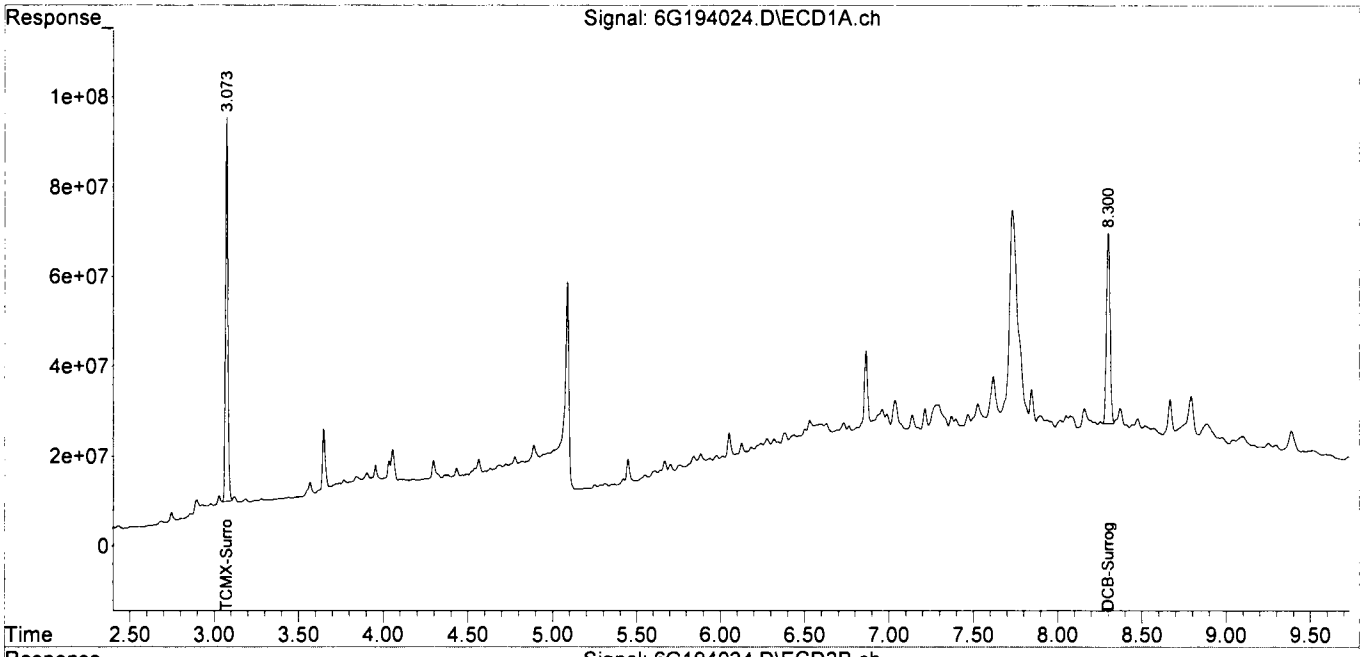
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.073	3.317	862.6E6	734.4E6	89.912m	97.884m
22)	DCB-Surrogate	8.300	9.394	644.8E6	630.3E6	75.701m	103.064m#

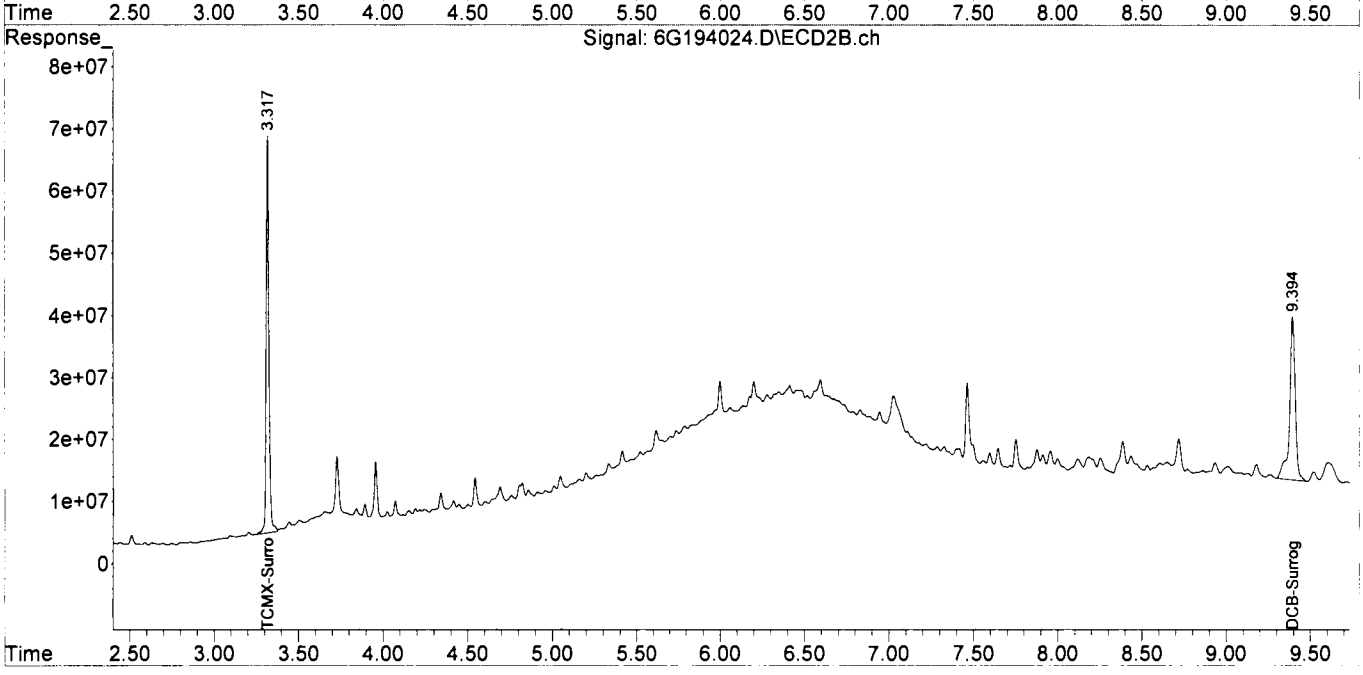
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 11:49
Operator : AH/PR/KM
Sample : AD48506-014
Misc : S,PEST
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 12:21:59 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-015
Client Id: SB-24-9.5-10.0'
Data File: 6G194025.D
Analysis Date: 12/10/24 12:01
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 66

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0076	U	53494-70-5	Endrin Ketone	0.0076	U
309-00-2	Aldrin	0.0076	U	58-89-9	gamma-BHC	0.0015	U
319-84-6	alpha-BHC	0.0015	U	76-44-8	Heptachlor	0.0076	U
319-85-7	beta-BHC	0.0015	U	1024-57-3	Heptachlor Epoxide	0.0076	U
319-86-8	delta-BHC	0.0076	U	72-43-5	Methoxychlor	0.0076	U
60-57-1	Dieldrin	0.0015	U	72-54-8	p,p'-DDD	0.0038	U
959-98-8	Endosulfan I	0.0076	U	72-55-9	p,p'-DDE	0.0038	U
33213-65-9	Endosulfan II	0.0076	U	50-29-3	p,p'-DDT	0.0038	U
1031-07-8	Endosulfan Sulfate	0.0076	U	8001-35-2	Toxaphene	0.038	U
72-20-8	Endrin	0.0076	U	5103-74-2	y-chlordane	0.0076	U
7421-93-4	Endrin Aldehyde	0.0076	U	57-74-9	Chlordane (Total)	0.0076	U

Worksheet #: 764969

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 12:01
Operator : AH/PR/KM
Sample : AD48506-015 (Sig #1); AD485606-015 (Sig #2)
Misc : S,PEST
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 12:23:47 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

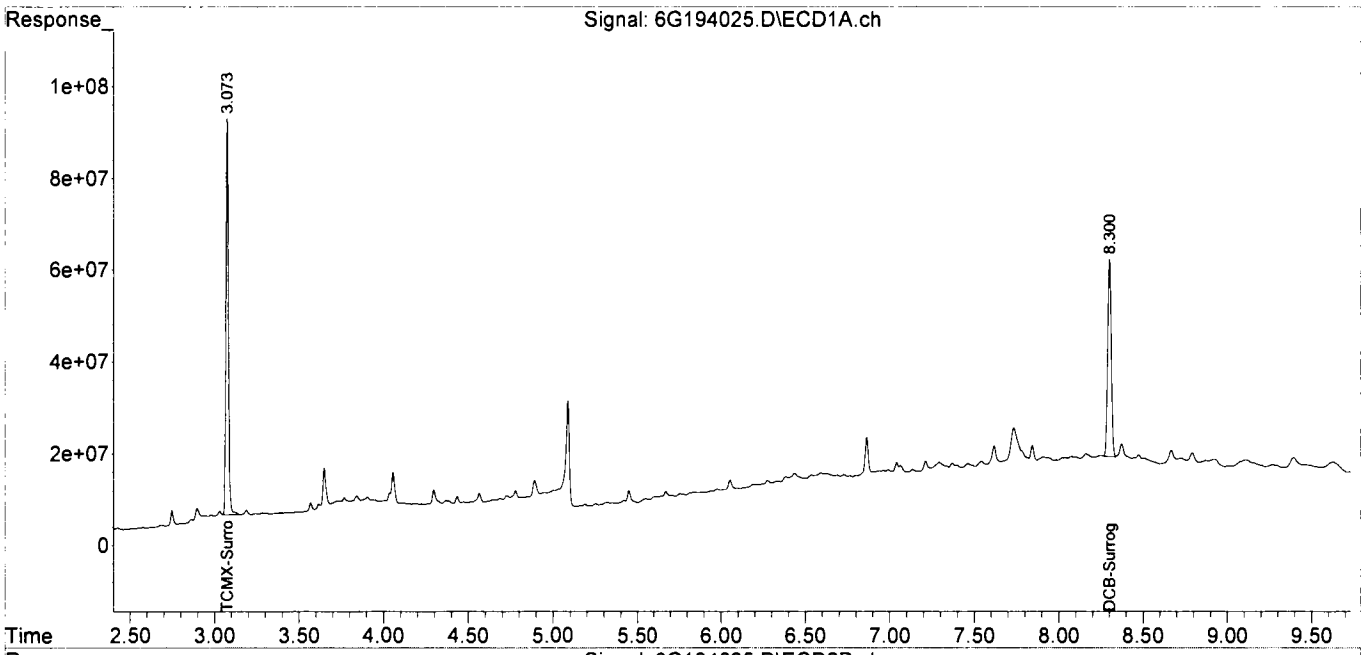
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.073	3.317	900.1E6	707.7E6	93.822m	94.321m
22)	DCB-Surrogate	8.300	9.394	644.9E6	525.8E6	75.712m	85.976m

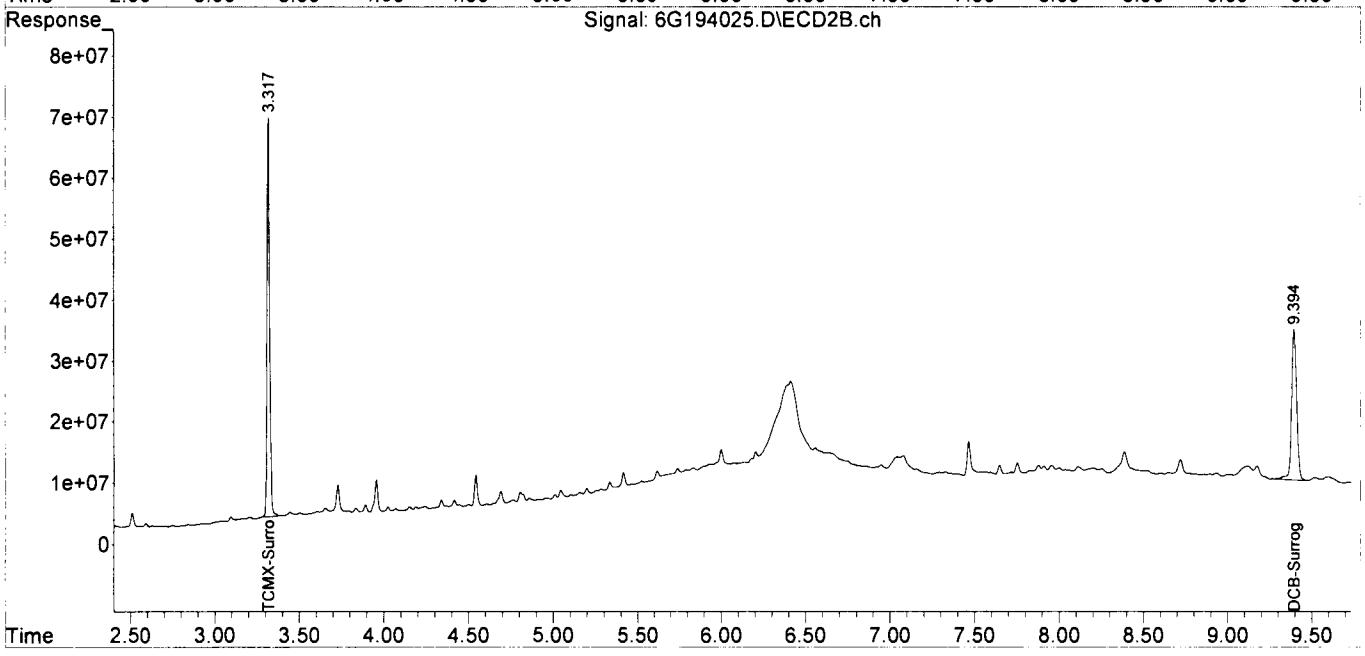
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 12:01
Operator : AH/PR/KM
Sample : AD48506-015 (Sig #1); AD485606-015 (Sig #2)
Misc : S,PEST
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 12:23:47 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-016
Client Id: SB-20-9.5-10.0'
Data File: 6G194026.D
Analysis Date: 12/10/24 12:14
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 73

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0068	U	53494-70-5	Endrin Ketone	0.0068	U
309-00-2	Aldrin	0.0068	U	58-89-9	gamma-BHC	0.0014	U
319-84-6	alpha-BHC	0.0014	U	76-44-8	Heptachlor	0.0068	U
319-85-7	beta-BHC	0.0014	U	1024-57-3	Heptachlor Epoxide	0.0068	U
319-86-8	delta-BHC	0.0068	U	72-43-5	Methoxychlor	0.0068	U
60-57-1	Dieldrin	0.0014	U	**72-54-8**	**(^)p,p'-DDD**	**0.0034**	**0.0041 d**
959-98-8	Endosulfan I	0.0068	U	**72-55-9**	**p,p'-DDE**	**0.0034**	**0.0094**
33213-65-9	Endosulfan II	0.0068	U	50-29-3	p,p'-DDT	0.0034	U
1031-07-8	Endosulfan Sulfate	0.0068	U	8001-35-2	Toxaphene	0.034	U
72-20-8	Endrin	0.0068	U	5103-74-2	y-chlordane	0.0068	U
7421-93-4	Endrin Aldehyde	0.0068	U	57-74-9	Chlordane (Total)	0.0068	U

Worksheet #: 764969

Total Target Concentration 0.0094

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 12:14
Operator : AH/PR/KM
Sample : AD48506-016
Misc : S,PEST
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 12:31:20 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

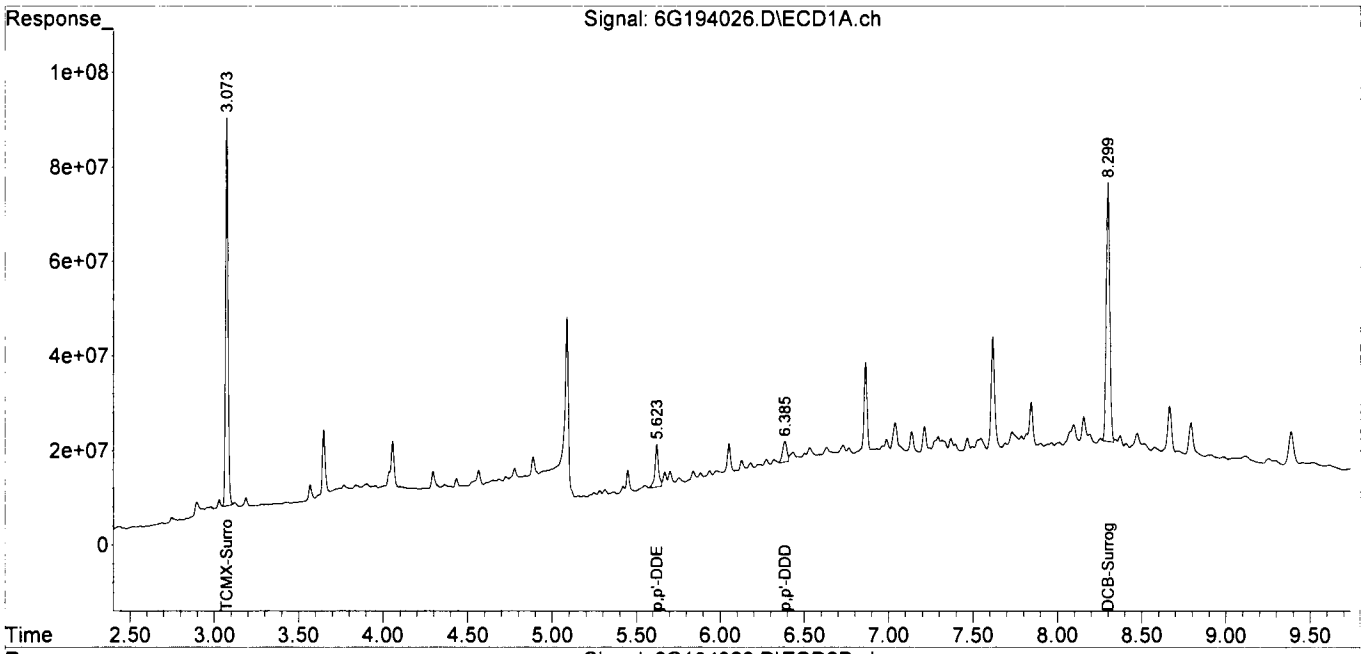
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.073	3.317	838.1E6	699.9E6	87.363m	93.280m
12)p,p'-DDE	5.623	6.058	135.0E6	85407900	13.674m	11.963m
15)p,p'-DDD	6.385	6.630	78375413	35793306	9.146m	5.928m#
22)DCB-Surrogate	8.299	9.393	808.1E6	684.0E6	94.861m	111.846m

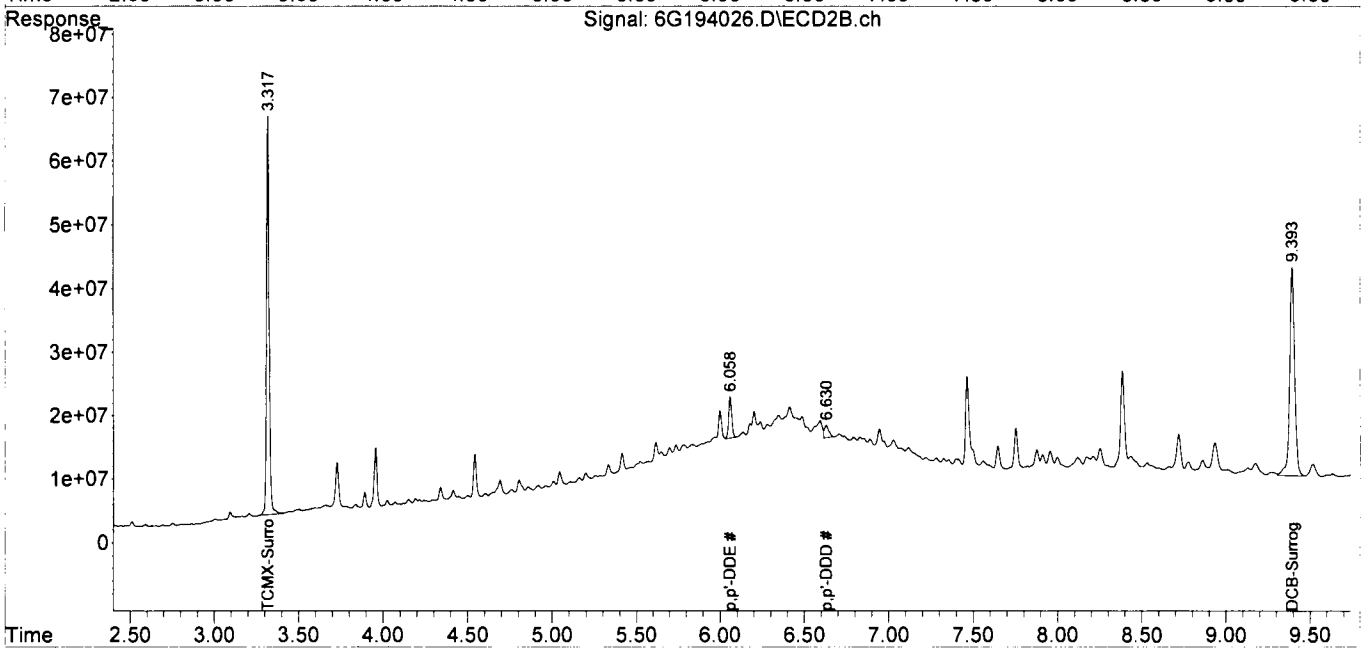
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 12:14
Operator : AH/PR/KM
Sample : AD48506-016
Misc : S,PEST
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 12:31:20 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-018
Client Id: SB-19-9.5-10.0'
Data File: 6G194073.D
Analysis Date: 12/11/24 11:18
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 75

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0067	U	53494-70-5	Endrin Ketone	0.0067	U
309-00-2	Aldrin	0.0067	U	58-89-9	gamma-BHC	0.0013	U
319-84-6	alpha-BHC	0.0013	U	76-44-8	Heptachlor	0.0067	U
319-85-7	beta-BHC	0.0013	U	1024-57-3	Heptachlor Epoxide	0.0067	U
319-86-8	delta-BHC	0.0067	U	72-43-5	Methoxychlor	0.0067	U
60-57-1	Dieldrin	0.0013	U	72-54-8	p,p'-DDD	0.0033	U
959-98-8	Endosulfan I	0.0067	U	72-55-9	p,p'-DDE	0.0033	U
33213-65-9	Endosulfan II	0.0067	U	50-29-3	p,p'-DDT	0.0033	U
1031-07-8	Endosulfan Sulfate	0.0067	U	8001-35-2	Toxaphene	0.033	U
72-20-8	Endrin	0.0067	U	5103-74-2	y-chlordane	0.0067	U
7421-93-4	Endrin Aldehyde	0.0067	U	57-74-9	Chlordane (Total)	0.0067	U

Worksheet #: 765020

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-11-24\
Data File : 6G194073.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 11:18
Operator : AH/PR/KM
Sample : AD48506-018
Misc : S,PEST
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 15:44:59 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

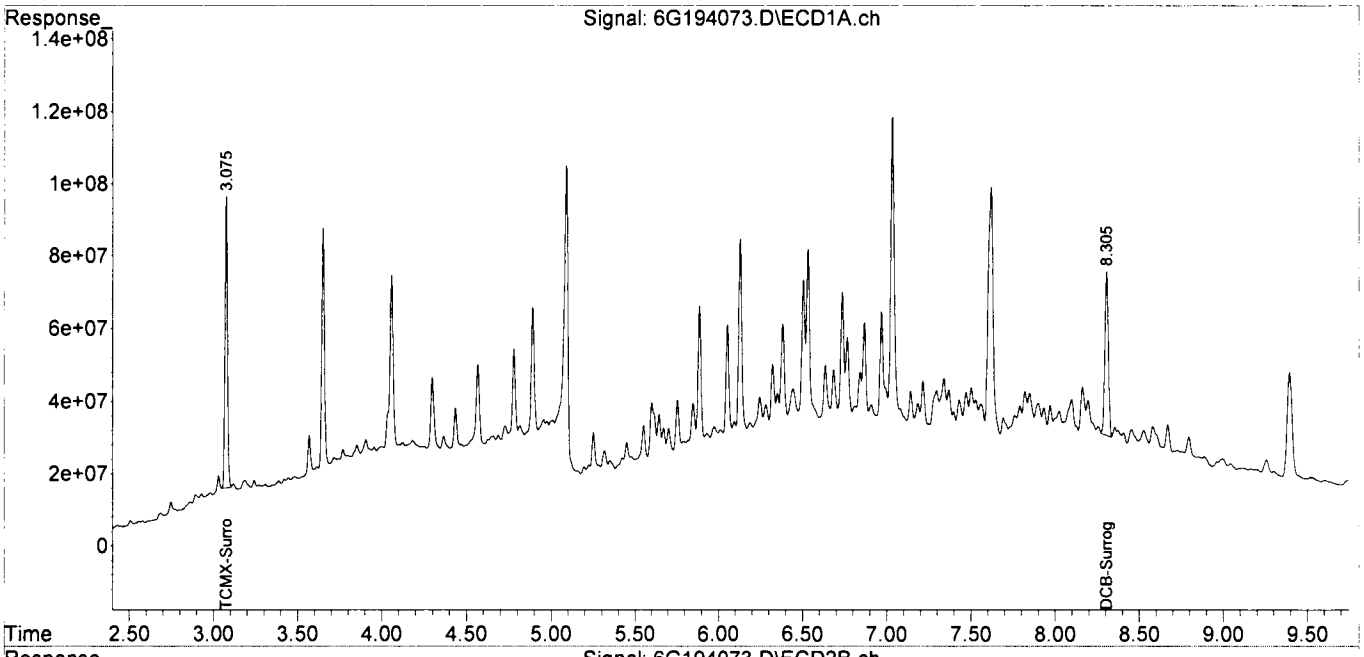
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.075	3.319	831.5E6	725.2E6	86.671m	96.658m
22)	DCB-Surrogate	8.305	9.398	655.4E6	658.2E6	76.941m	107.630m#

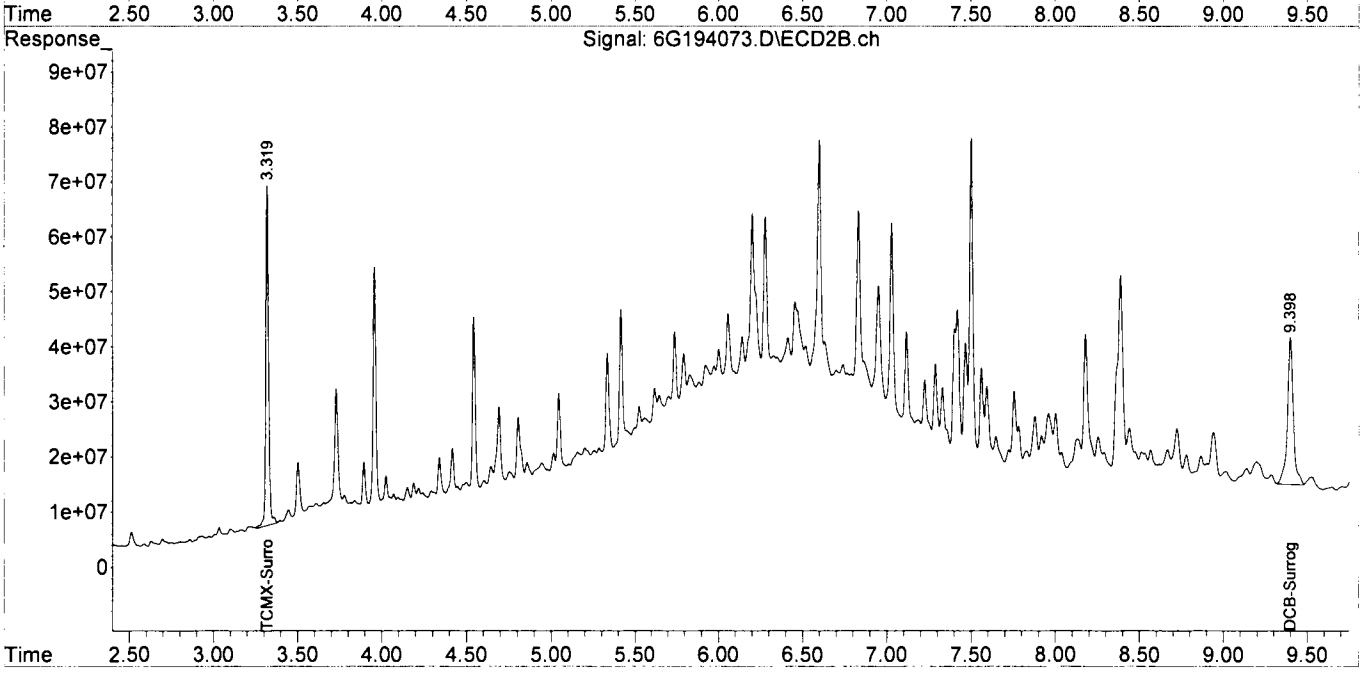
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-11-24\
Data File : 6G194073.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 11:18
Operator : AH/PR/KM
Sample : AD48506-018
Misc : S,PEST
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 15:44:59 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-019
Client Id: SB-14-9.5-10.0'
Data File: 6G194074.D
Analysis Date: 12/11/24 11:30
Date Rec/Extracted: 12/04/24-12/10/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0058	U	53494-70-5	Endrin Ketone	0.0058	U
309-00-2	Aldrin	0.0058	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0058	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0058	U
319-86-8	delta-BHC	0.0058	U	72-43-5	Methoxychlor	0.0058	U
60-57-1	Dieldrin	0.0012	U	72-54-8	p,p'-DDD	0.0029	U
959-98-8	Endosulfan I	0.0058	U	72-55-9	p,p'-DDE	0.0029	U
33213-65-9	Endosulfan II	0.0058	U	50-29-3	p,p'-DDT	0.0029	U
1031-07-8	Endosulfan Sulfate	0.0058	U	8001-35-2	Toxaphene	0.029	U
72-20-8	Endrin	0.0058	U	5103-74-2	y-chlordane	0.0058	U
7421-93-4	Endrin Aldehyde	0.0058	U	57-74-9	Chlordane (Total)	0.0058	U

Worksheet #: 764969

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-11-24\
Data File : 6G194074.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 11:30
Operator : AH/PR/KM
Sample : AD48506-019
Misc : S,PEST
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 15:38:33 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

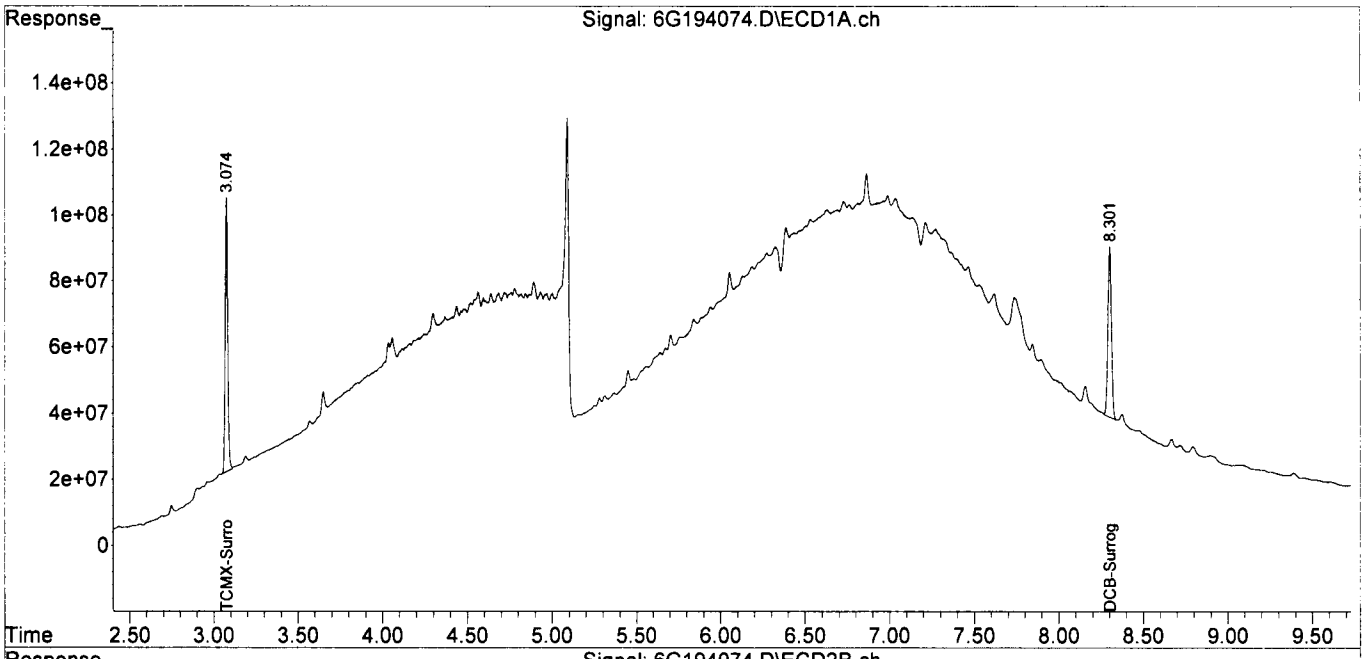
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.074	3.318	869.2E6	678.7E6	90.602m	90.451m
22)	DCB-Surrogate	8.301	9.399	747.2E6	577.6E6	87.722m	94.447m

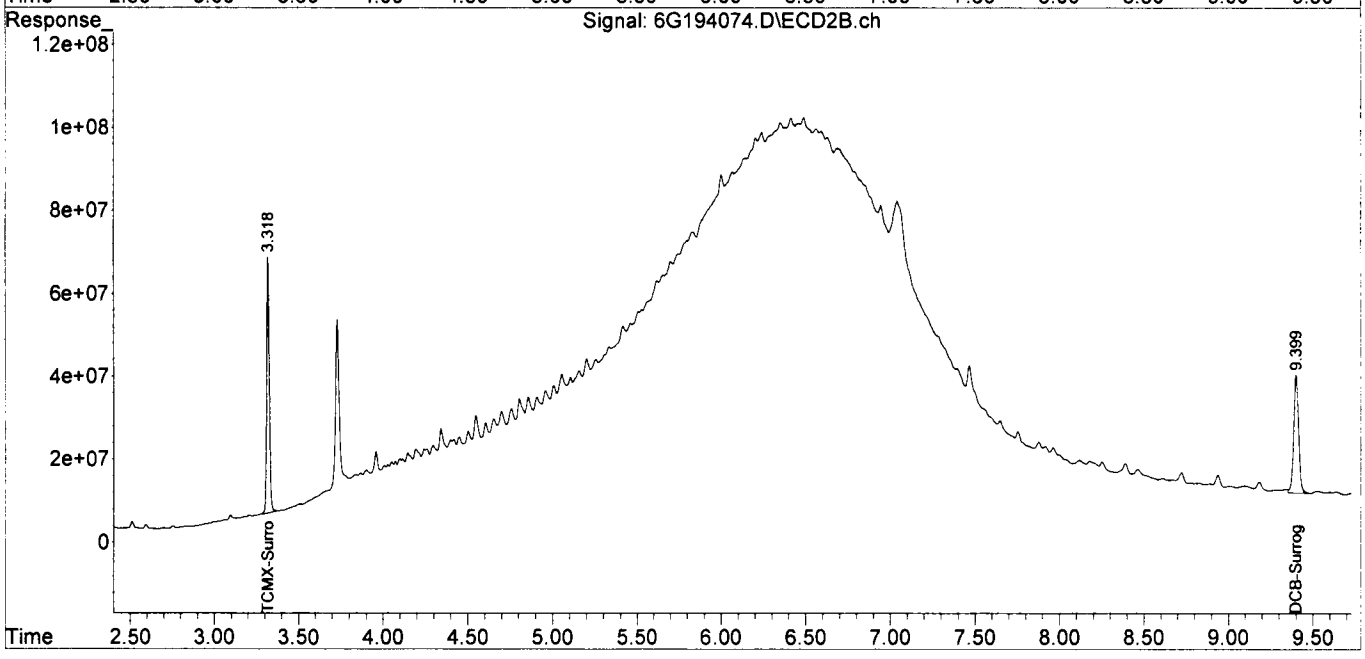
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-11-24\
Data File : 6G194074.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 11:30
Operator : AH/PR/KM
Sample : AD48506-019
Misc : S,PEST
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 15:38:33 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48506-020
Client Id: SB-08-9.5-10.0'
Data File: 6G194076.D
Analysis Date: 12/11/24 11:54
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 88

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0057	U	53494-70-5	Endrin Ketone	0.0057	U
309-00-2	Aldrin	0.0057	U	58-89-9	gamma-BHC	0.0011	U
319-84-6	alpha-BHC	0.0011	U	76-44-8	Heptachlor	0.0057	U
319-85-7	beta-BHC	0.0011	U	1024-57-3	Heptachlor Epoxide	0.0057	U
319-86-8	delta-BHC	0.0057	U	72-43-5	Methoxychlor	0.0057	U
60-57-1	Dieldrin	0.0011	U	72-54-8	p,p'-DDD	0.0028	U
959-98-8	Endosulfan I	0.0057	U	72-55-9	p,p'-DDE	0.0028	U
33213-65-9	Endosulfan II	0.0057	U	50-29-3	p,p'-DDT	0.0028	U
1031-07-8	Endosulfan Sulfate	0.0057	U	8001-35-2	Toxaphene	0.028	U
72-20-8	Endrin	0.0057	U	5103-74-2	y-chlordane	0.0057	U
7421-93-4	Endrin Aldehyde	0.0057	U	57-74-9	Chlordane (Total)	0.0057	U

Worksheet #: 765020

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-11-24\
Data File : 6G194076.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 11:54
Operator : AH/PR/KM
Sample : AD48506-020 (Sig #1); AD48506-002 (Sig #2)
Misc : S,PEST
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 15:38:21 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

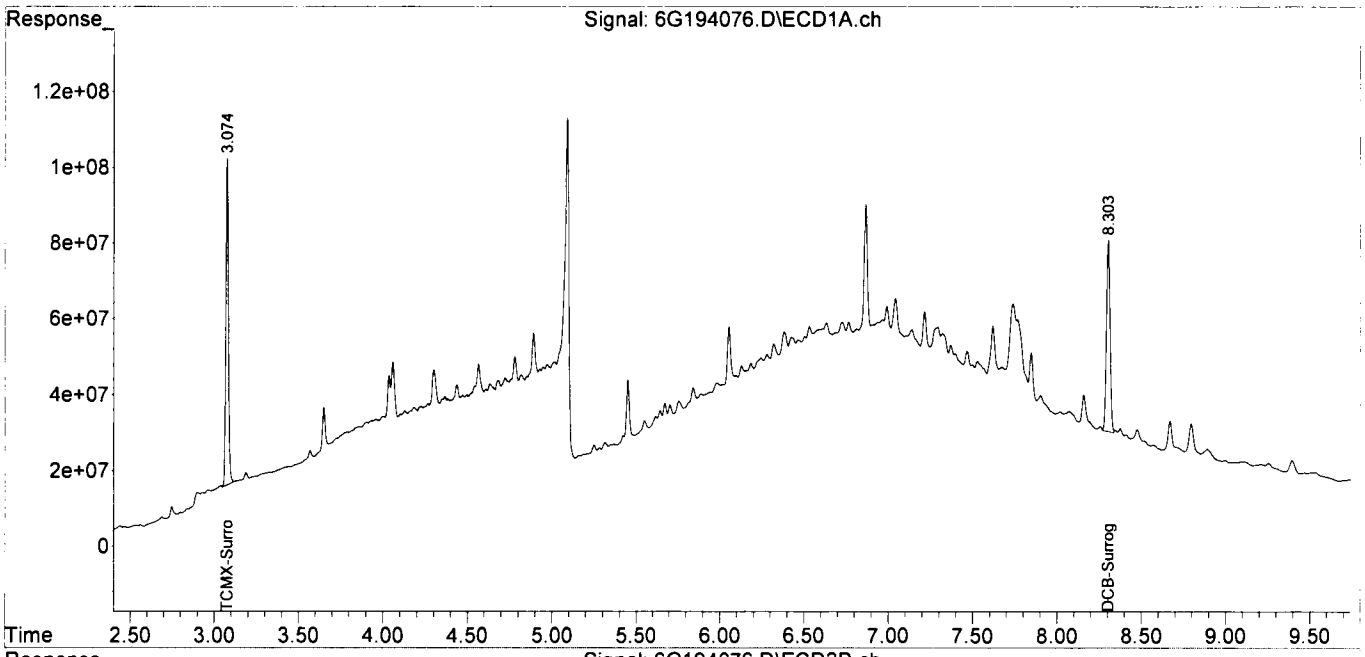
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.074	3.318	915.2E6	710.9E6	95.399m	94.743m
22)	DCB-Surrogate	8.303	9.398	762.6E6	649.6E6	89.520m	106.214m

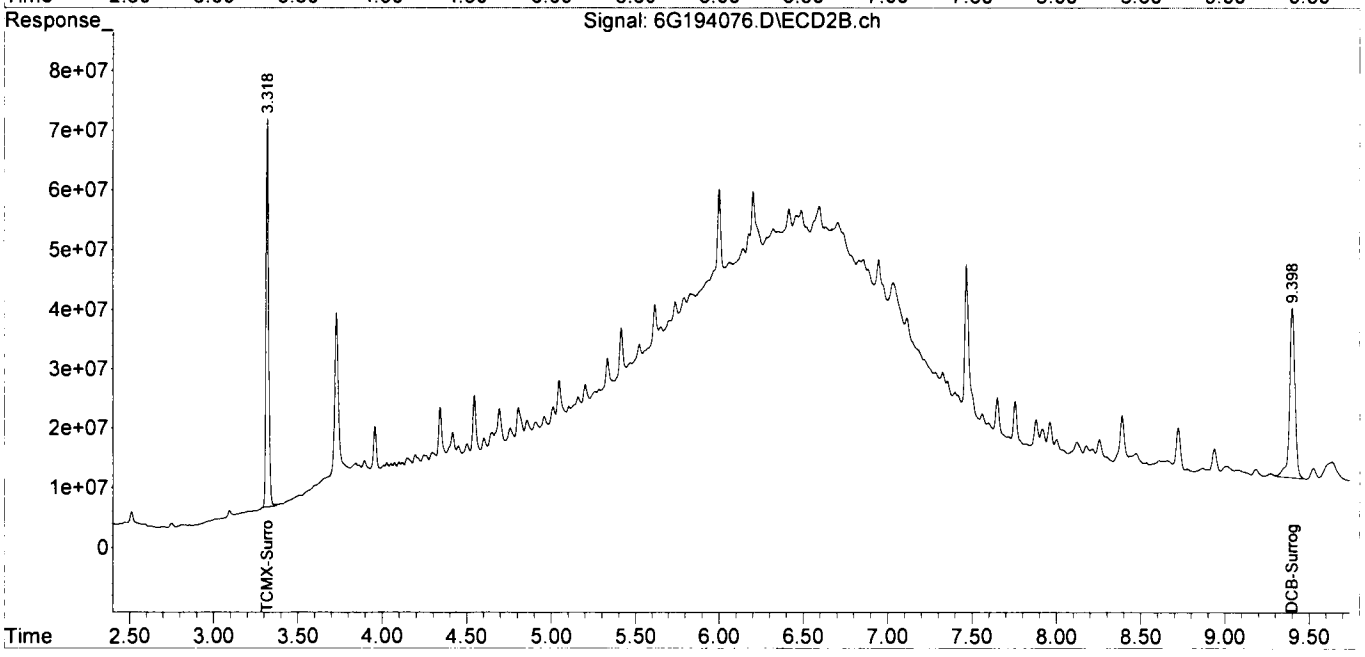
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-11-24\
Data File : 6G194076.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 11:54
Operator : AH/PR/KM
Sample : AD48506-020 (Sig #1); AD48506-002 (Sig #2)
Misc : S,PEST
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 15:38:21 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PETROLEUM HYDROCARBON REPORT

Sample Number: AD48506-017
Client Id: SB-20-COMP
Data File: 8G675880.D
Analysis Date: 12/09/24 20:34
Date Rec/Extracted: 12/04/24-12/09/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8015D
Matrix: Soil
Initial Vol: 5g
Final Vol: 1ml
Dilution: 1
Solids: 68

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phchpd2	**Diesel Range Organics**	**88**	**370**				

Worksheet #: 764873 *Total Target Concentration* 370 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_8\Data\12-09-24\
Data File : 8G675880.D
Signal(s) : FID1A.CH
Acq On : 09-Dec-24, 20:34:05
Operator : AH/ABM/KT/JR
Sample : AD48506-017
Misc : S,TPH
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 11 10:46:57 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)mt	C8	0.000	0	N.D.		d
2)mte	C9	0.000	0	N.D.		d
3)mdte	C10	0.000	0	N.D.		d
4)mdte	C12	0.000	0	N.D.		d
5)mdte	C14	0.000	0	N.D.		d
6)dte	C16	0.000	0	N.D.		d
7)dte	C17	0.000	0	N.D.		d
8)dte	Pristane	0.000	0	N.D.		d
9)dte	C18	0.000	0	N.D.		d
10)dte	Phytane	0.000	0	N.D.		d
11)dte	C20	0.000	0	N.D.		d
12)dte	C22	0.000	0	N.D.		d
13)dte	C24	0.000	0	N.D.		d
14)dte	C26	0.000	0	N.D.		d
15)dte	C28	0.000	0	N.D.		d
16)te	C30	0.000	0	N.D.		d
17)te	C32	0.000	0	N.D.		d
18)te	C34	0.000	0	N.D.		d
19)te	C36	0.000	0	N.D.		d
20)t	C40	0.000	0	N.D.		d
21)	Chlorobenzene	2.232	16503	8.878		
22)	O-Terphenyl	6.455	57047	18.625		
23)d	Diesel Range Organics(T	6.454f	3297790	1317.878		m
24)t	Total Petroleum Hydroca	0.000	0	N.D.		d
25)e	Ext. Petroleum Hydrocar	0.000	0	N.D.		d
26)m	Mineral Spirits(TOTAL)	0.000	0	N.D.		d
27)m	Stoddard Solvent(TOTAL)	0.000	0	N.D.		d

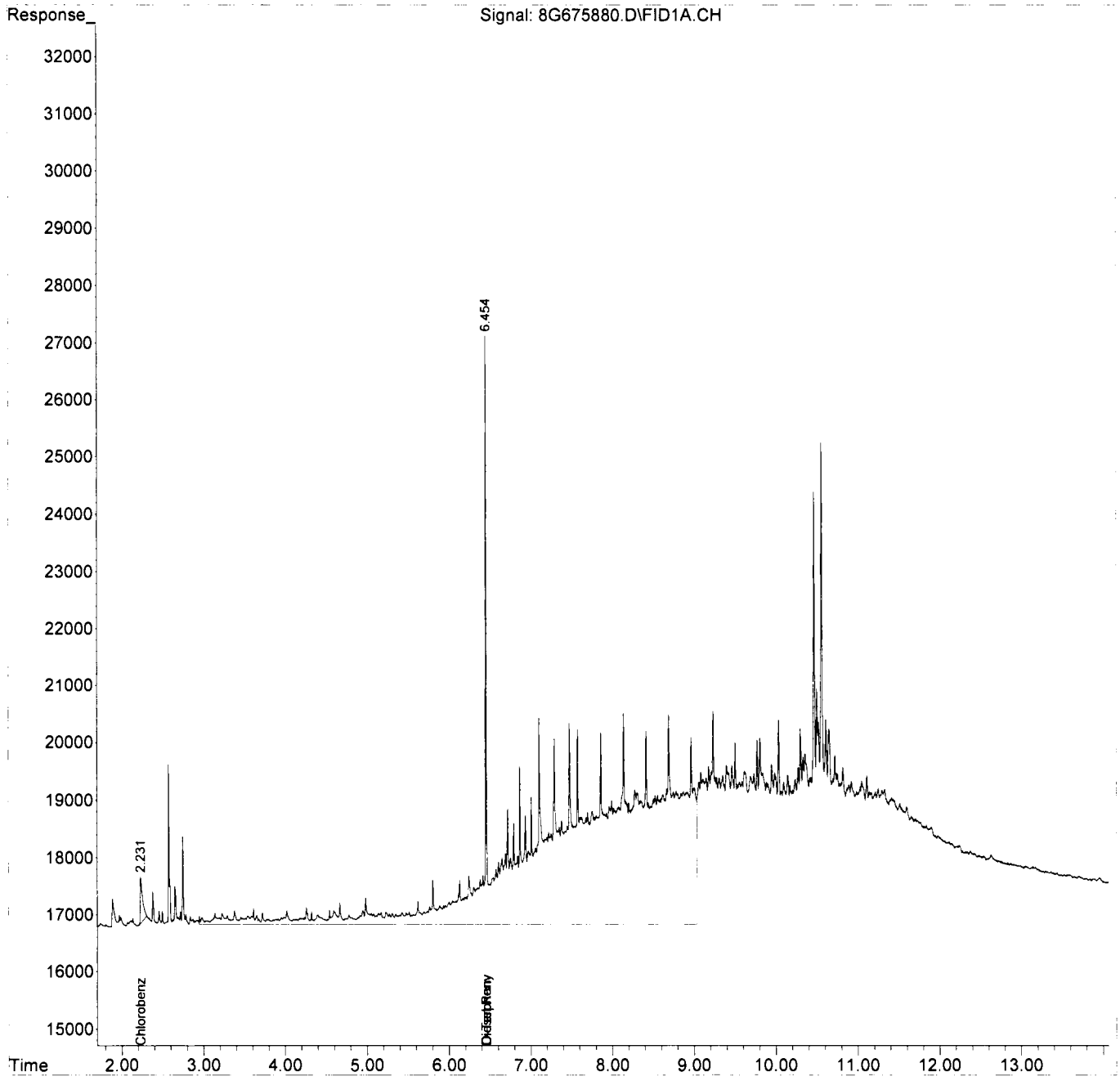
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_8\Data\12-09-24\
Data File : 8G675880.D
Signal(s) : FID1A.CH
Acq On : 09-Dec-24, 20:34:05
Operator : AH/ABM/KT/JR
Sample : AD48506-017
Misc : S,TPH
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 11 10:46:57 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :



Form1

ORGANICS REPORT

Sample Number: AD48506-017
Client Id: SB-20-COMP
Data File: 13AM30940.D
Analysis Date: 12/05/24 15:30
Date Rec/Extracted: 12/04/24-12/05/24
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8015D
Matrix: Methanol
Initial Vol: 5.24g:10ml
Final Vol: NA
Dilution: 95.4
Solids: 68

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phcg	Gasoline Range Organics	35	U				

Worksheet #: 764879

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

Data Path : G:\GcMsData\2024\GC_13A\Data\12-05-24\
Data File : 13AM30940.D
Signal(s) : FID1A.ch
Acq On : 05 Dec 2024 15:30
Operator : WP/MD
Sample : AD48506-017
Misc : M,MEXT!3
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 05 15:50:07 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

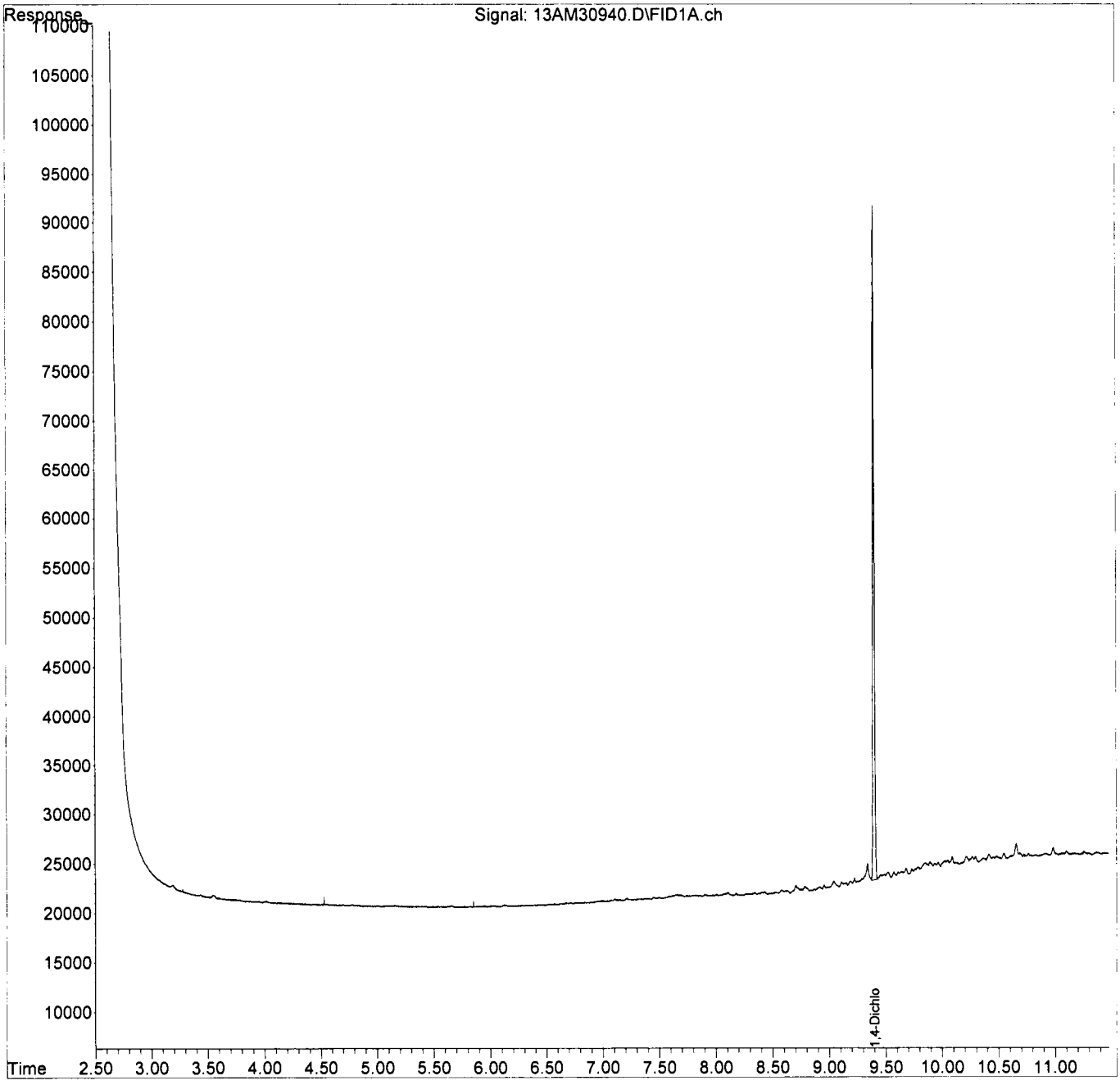
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1)S 1,4-Dichlorobenzene-d4	9.401	652772	29.107	
Target Compounds				
2) 2-Methylpentane	0.000	0	N.D.	
3) 1,2,4-Trimethylbenzene	0.000	0	N.D.	
4)g Gasoline Range Organics	0.000	0	N.D.	ug/L d

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : G:\GcMsData\2024\GC_13A\Data\12-05-24\
Data File : 13AM30940.D
Signal(s) : FID1A.ch
Acq On : 05 Dec 2024 15:30
Operator : WP/MD
Sample : AD48506-017
Misc : M,MEXT!3
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 05 15:50:07 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



4120509 0335

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 US Highway 46, STE D and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787
Service Center: 137-C Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056
NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY RECORD

Project# (Lab Use Only): 4120509

Page 1 of 2

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary	NJ Hazsite
1 Business Day (100%) *	Results + QC (Waste)	Excel Red. NJ / NY / PA
2 Business Days (75%) *	Reduced:	EnviroData
3 Business Days (50%) *	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%) *	[ ] PA [ ] Other___	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[ ] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other:		Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: LiRo Engineers, Inc.
Address: 703 Grimer Street Brooklyn, NY 11211
1b) Email/Cell/Fax/Ph: franks@liro-hill.com
1c) Send Invoice to: Steve Frank
1d) Send Report to: same

Project Information

2a) Project: Queens Botanical Garden
2b) Project Mgr: Steve Frank
2c) Project Location (City/State): Queens, NY
2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY ↓

Batch # AD48506

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

===> Check If Contingent ===>

7) Analysis *(specify methods & parameter lists)*

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	TCL VOCs	SVOCs	PCBs	Pesticides	TAL metals	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001	SB-12-0-2.0'	S	12/2/24	0915		X	X	X	X	X	X	2								4oz & 16oz.
002	SB-17-0-2.0'	S		0935		X	X	X	X	X	X	2								
003	SB-11-0-2.0'	S		1000		X	X	X	X	X	X	2								
004	SB-10-0-2.0'	S		1030		X	X	X	X	X	X	2								
005	SB-22-0-2.0'	S		1100		X	X	X	X	X	X	2								
006	SB-02-7.5-8.0'	S	12/3/24	1000		X	X	X	X	X	X	2								
007	SB-03-7.5-8.0'	S		1100		X	X	X	X	X	X	2								
008	SB-04-7.5-8.0	S		1040		X	X	X	X	X	X	2								
009	SB-06-7.5-8.0'	S		1215		X	X	X	X	X	X	2								
010	SB-23-9.5-10.0'	S		1235		X	X	X	X	X	X	2								

10) Relinquished by:	Accepted by:	Date	Time
Eva Jakubowska	Cortney Charlton	12/4/24	1:00
Cortney Charlton	N—	12/4/24	3:45

11) Sampler (print name): EVA JAKUBOWSKA Date: 12/4/24

Additional Notes Send lab results to newsona@liro-hill.com also

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270E SIM)
- [ ] VOC (8260D SIM or 8011)
- [ ] SPLP (BN, BNA, Metals)
- [ ] 1,4 Dioxane

For NJ LSRP projects, indicate which standards need to be met:
- [ ] NJDEP GWQS
- [ ] NJDEP SRS
- [ ] NJDEP SPLP
- [ ] Other (specify):

Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations
- [ ] NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 3.1 3.9

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [ ] or client [ ] FSP#

4120509 0336

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 US Highway 46, STE D and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787
Service Center: 137-C Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project# (Lab Use Only): 4120509

Page 2 of 2

1) Customer Information
1a) Customer: LIRO Engineers, Inc.
Address: 703 Carrier street
Brooklyn, NY 11211
1b) Email/Cell/Fax/Ph: frank s@liro-hill.com
1c) Send Invoice to: Steve Frank
1d) Send Report to: same

2) Project Information
2a) Project: QBG
2b) Project Mgr: Steve Frank
2c) Project Location (City/State): Queens, NY
2d) Quote/PO # (If Applicable):

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary	NJ Hazsite
1 Business Day (100%) *	Results + QC (Waste)	Excel Reg. NJ / NY / PA
2 Business Days (75%) *	Reduced:	EnviroData
3 Business Days (50%) *	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%) *	[ ] PA [ ] Other___	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[✓] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other:		Other:

* Expedited TAT Not Always Available. Please Check with Lab.

FOR LAB USE ONLY

Batch # AD48506

Matrix Codes
DW - Drinking Water; S - Soil; A - Air; GW - Ground Water; SL - Sludge; WW - Waste Water; OL - Oil; OT - Other (please specify under item 9, Comments)

===> Check If Contingent ===>

7) Analysis *(specify methods & parameter lists)*

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	TCL VOCs	SVOCs	PCBs	Pesticides	TAL Metals	TPHC/DRO/GRO	RCRA parameters TCLP RCRA metals			8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
011	SB-25-9.5-10.0'	S	12/3/24	1255		X	X	X	X	X	X					2								16 oz, 4oz.
012	SB-05-7.5-8.0'	S	↓	1315		X	X	X	X	X	X					2								
013	SB-15-7.5-8.0'	S	↓	1330		X	X	X	X	X	X					2								
014	SB-16-7.5-8.0'	S	12/4/24	0915		X	X	X	X	X	X					2								
015	SB-24-9.5-10.0'	S	↓	0930		X	X	X	X	X	X					2								
016	SB-20-9.5-10.0'	S	↓	1040		X	X	X	X	X	X					2								
017	SB-20-COMP	S	↓	1045	X	X						X	X	X		1								
018	SB-19-9.5-10.0'	S	↓	1100		X	X	X	X	X	X					2								
019	SB-14-9.5-10.0'	S	↓	1140		X	X	X	X	X	X					2								
020	SB-08-9.5-10.0'	S	↓	1200		X	X	X	X	X	X					2								

10) Relinquished by:	Accepted by:	Date	Time
Eva Jakubowska	Cathy Chatlos	12/4/24	1:00
Cathy Chatlos		12/4/24	3:45

11) Sampler (print name): EVA JAKUBOWSKA Date: 12/4/24

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270E SIM)
- [ ] VOC (8260D SIM or 8011)
- [ ] SPLP (BN, BNA, Metals)
- [ ] 1,4 Dioxane

For NJ LSRP projects, indicate which standards need to be met:
- [ ] NJDEP GWQS
- [ ] NJDEP SRS
- [ ] NJDEP SPLP
- [ ] Other (specify):

Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations
- [ ] NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 3.1 3.9

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [ ] or client [ ] FSP#

CONDITION UPON RECEIPT

Batch Number AD48506 Entered By: Ricardo

Date Entered 12/5/2024 11:24:00 AM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	No	Are the COC seals intact?
4	T-461	<--- Thermometer ID. Please specify the Temperature inside the container (in degC). 3.1,3.9
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	No	Are samples preserved correctly? Samples for VOA not collected as Encore/Terracore.
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify (TB date, sample matrix, any missing info, etc.)
14	NA	Corrective actions (Specify item number and corrective action taken).
15	NA	Were any samples for ortho-phosphate or dissolved ferrous iron field filtered?

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M189580.D
Analysis Date: 12/05/24 16:24
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0020	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
120-82-1	1,2,4-Trichlorobenzene	0.0020	U	110-82-7	Cyclohexane	0.0020	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0020	U	124-48-1	Dibromochloromethane	0.0020	U
106-93-4	1,2-Dibromoethane	0.0010	U	75-71-8	Dichlorodifluoromethane	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	100-41-4	Ethylbenzene	0.0010	U
107-06-2	1,2-Dichloroethane	0.0020	U	98-82-8	Isopropylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0020	U	79601-23-1	m&p-Xylenes	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	79-20-9	Methyl Acetate	0.0020	U
106-46-7	1,4-Dichlorobenzene	0.0020	U	108-87-2	Methylcyclohexane	0.0020	U
123-91-1	1,4-Dioxane	0.10	U	75-09-2	Methylene Chloride	0.0020	U
78-93-3	2-Butanone	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
591-78-6	2-Hexanone	0.0020	U	95-47-6	o-Xylene	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.0020	U	100-42-5	Styrene	0.0020	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0020	U
71-43-2	Benzene	0.0010	U	108-88-3	Toluene	0.0010	U
74-97-5	Bromochloromethane	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-25-2	Bromoform	0.0020	U	79-01-6	Trichloroethene	0.0020	U
74-83-9	Bromomethane	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
75-15-0	Carbon Disulfide	0.0050	U	75-01-4	Vinyl Chloride	0.0020	U

Worksheet #: 764829

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

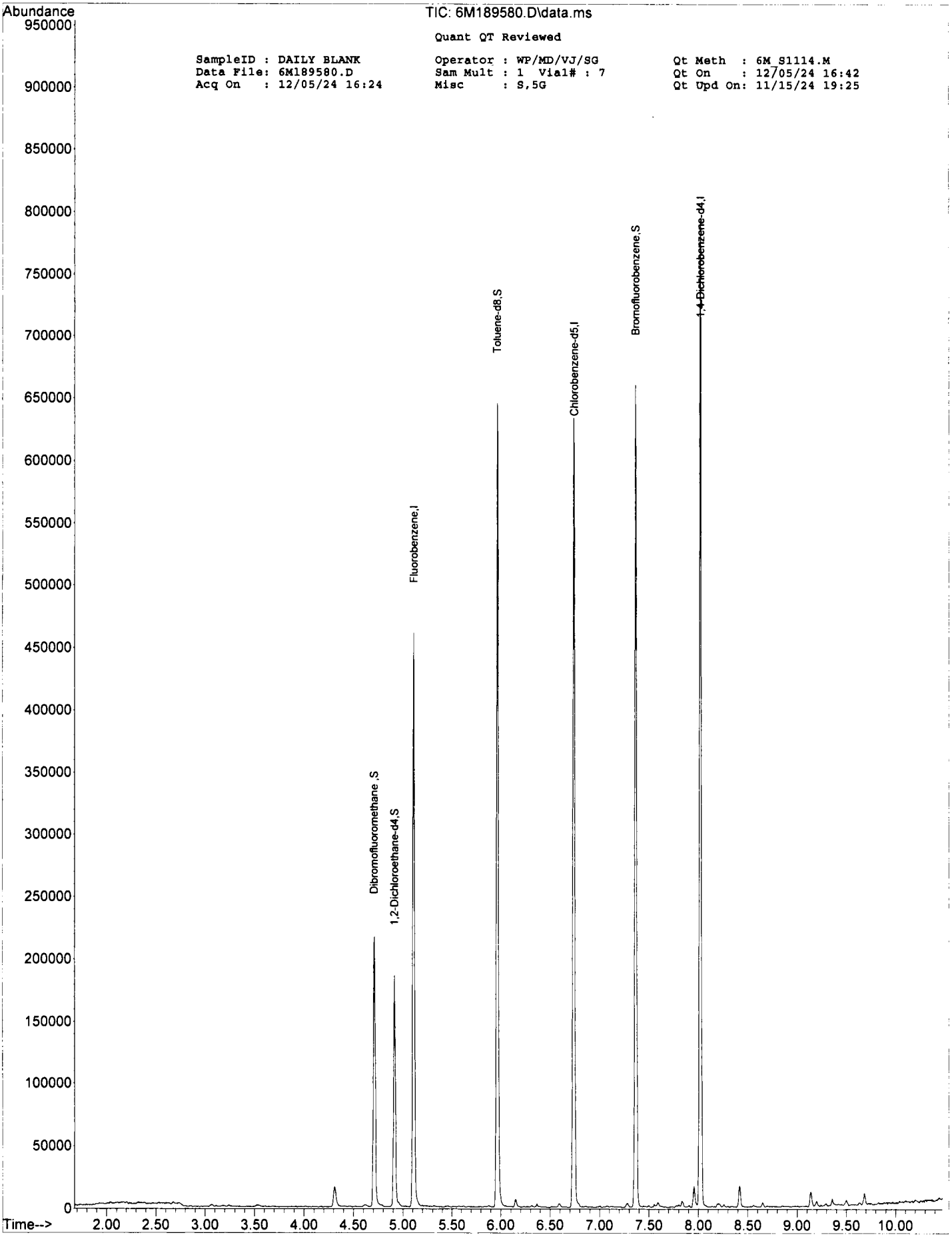
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189580.D Sam Mult : 1 Vial# : 7 Qt On : 12/05/24 16:42
Acq On : 12/05/24 16:24 Misc : S,5G Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-05-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	262455	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	255765	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	157030	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.706	111	85664	31.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.07%			
39) 1,2-Dichloroethane-d4	4.914	67	42866	35.96	ug/l	0.00
Spiked Amount 30.000			Recovery = 119.87%			
66) Toluene-d8	5.962	98	309293	31.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.27%			
76) Bromofluorobenzene	7.364	174	120773	30.44	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.47%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed P


Abundance
TIC: 6M189580.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 6M189580.D
Acq On : 12/05/24 16:24
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 7
Misc : S,5G
Qt Meth : 6M_S1114.M
Qt On : 12/05/24 16:42
Qt Upd On: 11/15/24 19:25
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB119848
Client Id:
Data File: 9M131082.D
Analysis Date: 12/10/24 17:53
Date Rec/Extracted: NA-12/10/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.033	U	50-32-8	Benzo[a]pyrene	0.033	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.033	U	205-99-2	Benzo[b]fluoranthene	0.033	U
123-91-1	1,4-Dioxane	0.033	U	191-24-2	Benzo[g,h,i]perylene	0.033	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.033	U	207-08-9	Benzo[k]fluoranthene	0.033	U
95-95-4	2,4,5-Trichlorophenol	0.033	U	111-91-1	bis(2-Chloroethoxy)methan	0.033	U
88-06-2	2,4,6-Trichlorophenol	0.033	U	111-44-4	bis(2-Chloroethyl)ether	0.013	U
120-83-2	2,4-Dichlorophenol	0.033	U	108-60-1	bis(2-chloroisopropyl)ether	0.033	U
105-67-9	2,4-Dimethylphenol	0.033	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.033	U
51-28-5	2,4-Dinitrophenol	0.17	U	85-68-7	Butylbenzylphthalate	0.033	U
121-14-2	2,4-Dinitrotoluene	0.033	U	105-60-2	Caprolactam	0.033	U
606-20-2	2,6-Dinitrotoluene	0.033	U	86-74-8	Carbazole	0.033	U
91-58-7	2-Chloronaphthalene	0.033	U	218-01-9	Chrysene	0.033	U
95-57-8	2-Chlorophenol	0.033	U	53-70-3	Dibenzo[a,h]anthracene	0.033	U
91-57-6	2-Methylnaphthalene	0.033	U	132-64-9	Dibenzofuran	0.033	U
95-48-7	2-Methylphenol	0.033	U	84-66-2	Diethylphthalate	0.033	U
88-74-4	2-Nitroaniline	0.033	U	131-11-3	Dimethylphthalate	0.033	U
88-75-5	2-Nitrophenol	0.033	U	84-74-2	Di-n-butylphthalate	0.17	U
106-44-5	3&4-Methylphenol	0.033	U	117-84-0	Di-n-octylphthalate	0.033	U
91-94-1	3,3'-Dichlorobenzidine	0.033	U	206-44-0	Fluoranthene	0.033	U
99-09-2	3-Nitroaniline	0.033	U	86-73-7	Fluorene	0.033	U
534-52-1	4,6-Dinitro-2-methylphenol	0.17	U	118-74-1	Hexachlorobenzene	0.033	U
101-55-3	4-Bromophenyl-phenylether	0.033	U	87-68-3	Hexachlorobutadiene	0.033	U
59-50-7	4-Chloro-3-methylphenol	0.033	U	77-47-4	Hexachlorocyclopentadiene	0.17	U
106-47-8	4-Chloroaniline	0.033	U	67-72-1	Hexachloroethane	0.033	U
7005-72-3	4-Chlorophenyl-phenylether	0.033	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.033	U
100-01-6	4-Nitroaniline	0.033	U	78-59-1	Isophorone	0.033	U
100-02-7	4-Nitrophenol	0.033	U	91-20-3	Naphthalene	0.033	U
83-32-9	Acenaphthene	0.033	U	98-95-3	Nitrobenzene	0.033	U
208-96-8	Acenaphthylene	0.033	U	621-64-7	N-Nitroso-di-n-propylamine	0.033	U
98-86-2	Acetophenone	0.033	U	86-30-6	n-Nitrosodiphenylamine	0.033	U
120-12-7	Anthracene	0.033	U	87-86-5	Pentachlorophenol	0.17	U
1912-24-9	Atrazine	0.033	U	85-01-8	Phenanthrene	0.033	U
100-52-7	Benzaldehyde	0.033	U	108-95-2	Phenol	0.033	U
56-55-3	Benzo[a]anthracene	0.033	U	129-00-0	Pyrene	0.033	U

Worksheet #: 764930

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

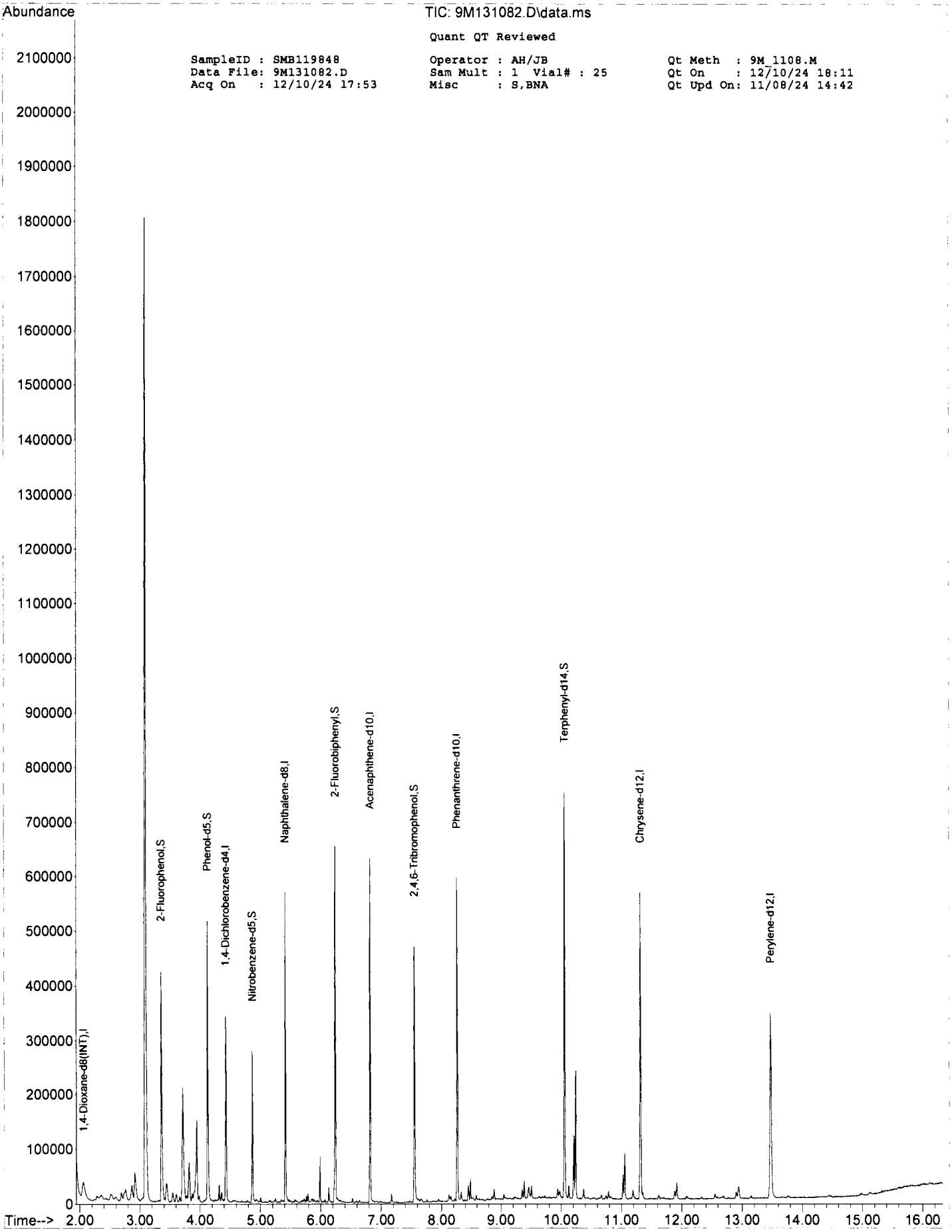
Quantitation Report (QT Reviewed)

SampleID : SMB119848 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131082.D Sam Mult : 1 Vial# : 25 Qt On : 12/10/24 18:11
Acq On : 12/10/24 17:53 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-1024\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	34768	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.425	152	60930	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	230297	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	132893	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	240181	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	224108	40.00	ng	-0.05
102) Perylene-d12	13.471	264	207998	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	157917	84.74	ng	-0.04
Spiked Amount 100.000			Recovery = 84.74%			
16) Phenol-d5	4.125	99	202553	82.75	ng	-0.03
Spiked Amount 100.000			Recovery = 82.75%			
32) Nitrobenzene-d5	4.866	128	42806	46.24	ng	-0.04
Spiked Amount 50.000			Recovery = 92.48%			
55) 2-Fluorobiphenyl	6.242	172	199467	47.99	ng	-0.04
Spiked Amount 50.000			Recovery = 95.98%			
79) 2,4,6-Tribromophenol	7.554	330	73608	121.02	ng	-0.04
Spiked Amount 100.000			Recovery = 121.02%			
93) Terphenyl-d14	10.060	244	264720	55.83	ng	-0.04
Spiked Amount 50.000			Recovery = 111.66%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131082.D\data.ms
Quant QT Reviewed
SampleID : SMB119848
Data File: 9M131082.D
Acq On : 12/10/24 17:53
Operator : AH/JB
Sam Mult : 1 Vial# : 25
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/10/24 18:11
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS PCB REPORT

Sample Number: SMB119840
Client Id:
Data File: 5G1109487.D
Analysis Date: 12/10/24 09:42
Date Rec/Extracted: NA-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.025	U	11097-69-1	Aroclor-1254	0.025	U
11104-28-2	Aroclor-1221	0.025	U	11096-82-5	Aroclor-1260	0.025	U
11141-16-5	Aroclor-1232	0.025	U	37324-23-5	Aroclor-1262	0.025	U
53469-21-9	Aroclor-1242	0.025	U	11100-14-4	Aroclor-1268	0.025	U
12672-29-6	Aroclor-1248	0.025	U				

Worksheet #: 764785

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-10-24\
Data File : 5G1109487.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 09:42:24
Operator : PR/KM/AH
Sample : SMB119840
Misc : S,PCB
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 10:28:17 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

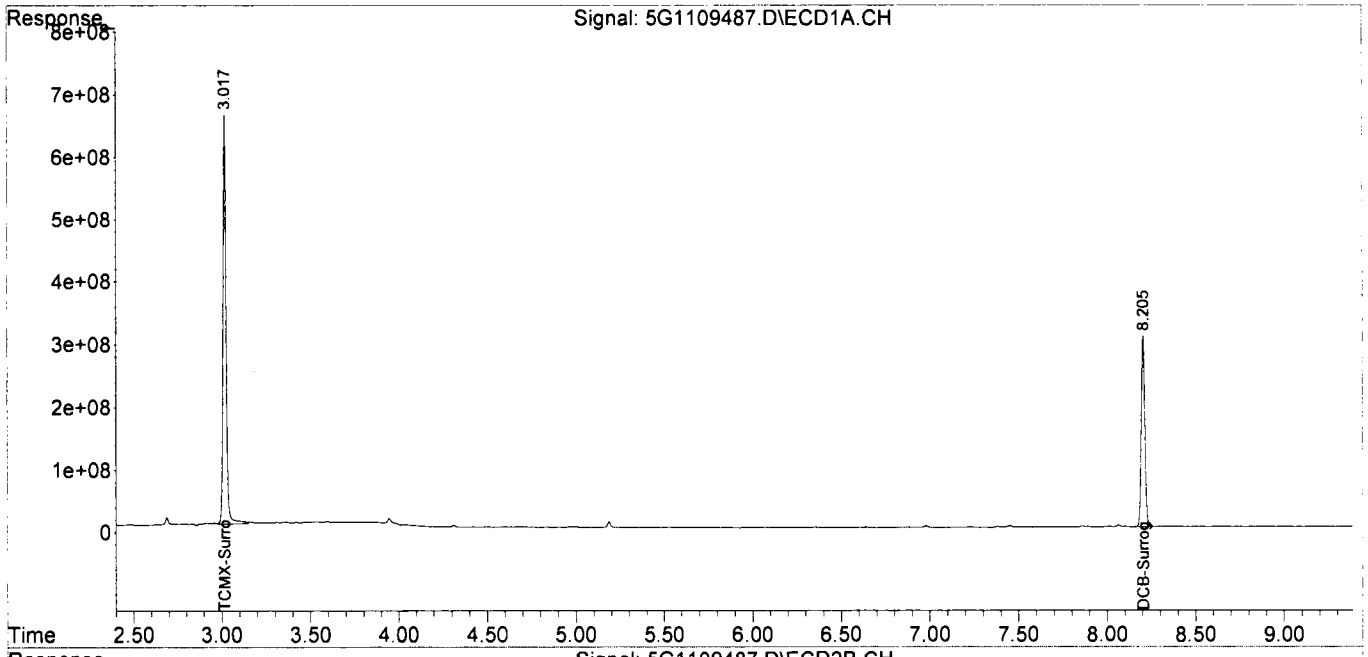
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.017	3.280	7935.6E6	2895.6E6	98.468	96.057
45)	DCB-Surrogate	8.205	9.111	4329.1E6	1611.9E6	81.774	85.825

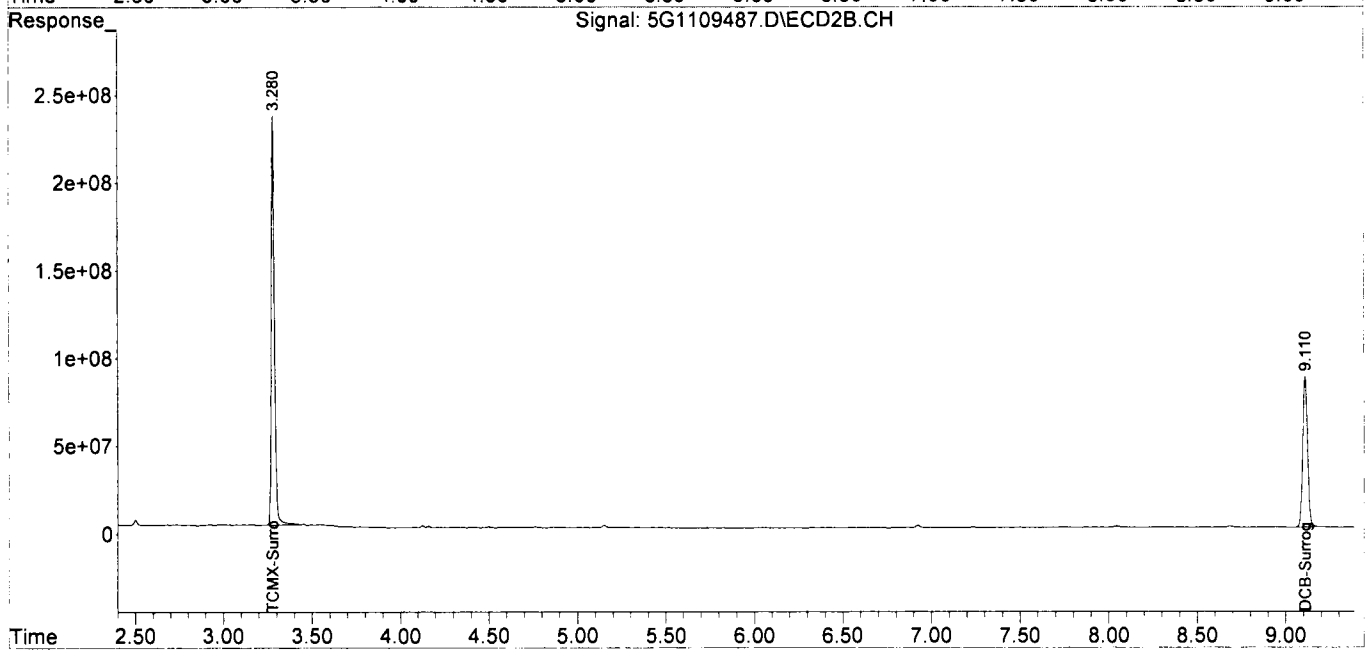
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-10-24\
Data File : 5G1109487.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 10-Dec-24, 09:42:24
Operator : PR/KM/AH
Sample : SMB119840
Misc : S,PCB
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 10:28:17 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: SMB119854
Client Id:
Data File: 2G198212.D
Analysis Date: 12/11/24 09:36
Date Rec/Extracted: NA-12/10/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.025	U	11097-69-1	Aroclor-1254	0.025	U
11104-28-2	Aroclor-1221	0.025	U	11096-82-5	Aroclor-1260	0.025	U
11141-16-5	Aroclor-1232	0.025	U	37324-23-5	Aroclor-1262	0.025	U
53469-21-9	Aroclor-1242	0.025	U	11100-14-4	Aroclor-1268	0.025	U
12672-29-6	Aroclor-1248	0.025	U				

Worksheet #: 764951

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-11-24\
Data File : 2G198212.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 09:36
Operator : AH/PR/KM
Sample : SMB119854
Misc : S,PCB
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 09:49:44 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

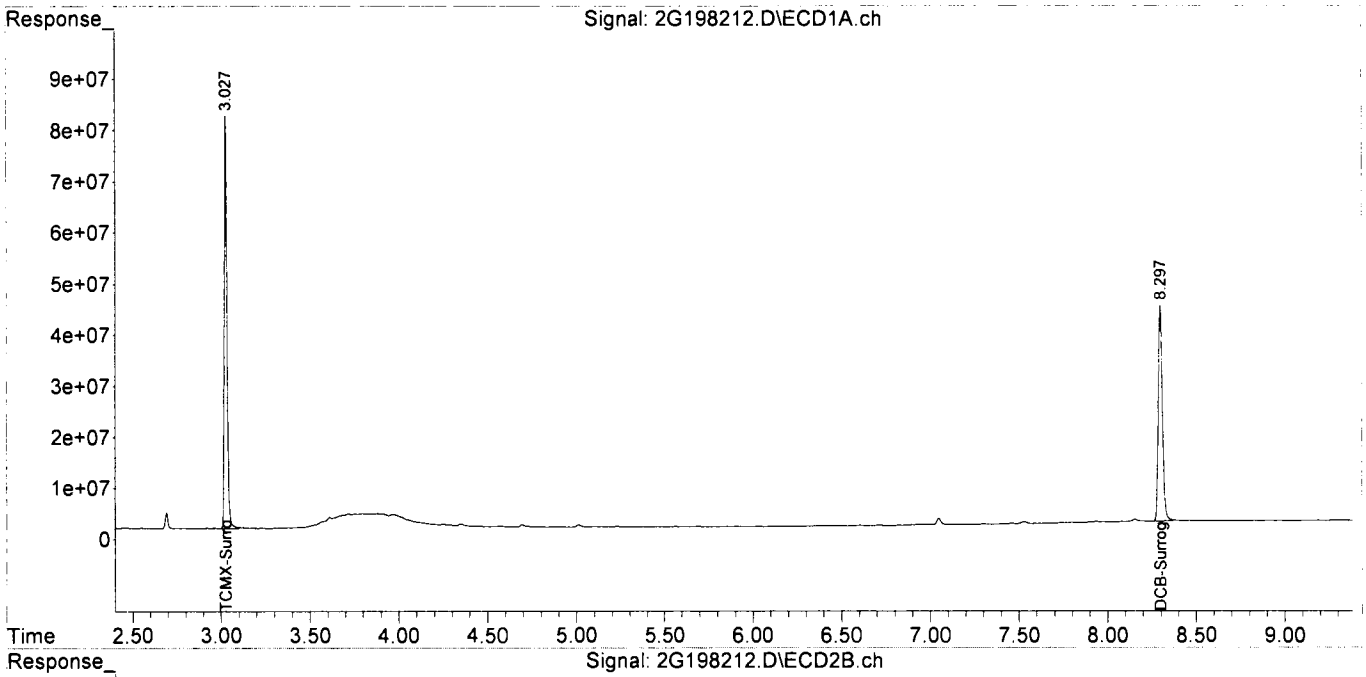
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.027	3.234	864.1E6	1209.0E6	95.379m	92.073
45)	DCB-Surrogate	8.298	9.114	689.8E6	944.1E6	95.783	96.818

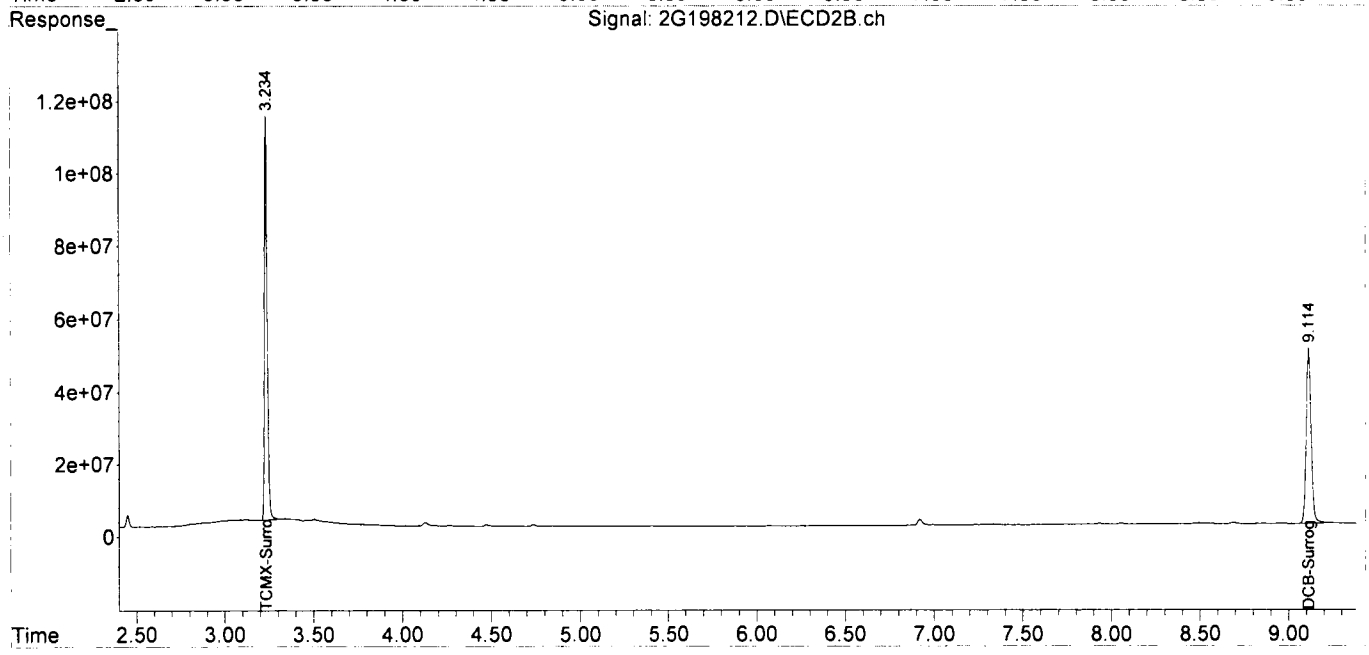
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-11-24\
Data File : 2G198212.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 09:36
Operator : AH/PR/KM
Sample : SMB119854
Misc : S,PCB
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 09:49:44 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: SMB119853
Client Id:
Data File: 3G162436.D
Analysis Date: 12/11/24 07:55
Date Rec/Extracted: NA-12/10/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0050	U	53494-70-5	Endrin Ketone	0.0050	U
309-00-2	Aldrin	0.0050	U	58-89-9	gamma-BHC	0.0010	U
319-84-6	alpha-BHC	0.0010	U	76-44-8	Heptachlor	0.0050	U
319-85-7	beta-BHC	0.0010	U	1024-57-3	Heptachlor Epoxide	0.0050	U
319-86-8	delta-BHC	0.0050	U	72-43-5	Methoxychlor	0.0050	U
60-57-1	Dieldrin	0.0010	U	72-54-8	p,p'-DDD	0.0025	U
959-98-8	Endosulfan I	0.0050	U	72-55-9	p,p'-DDE	0.0025	U
33213-65-9	Endosulfan II	0.0050	U	50-29-3	p,p'-DDT	0.0025	U
1031-07-8	Endosulfan Sulfate	0.0050	U	8001-35-2	Toxaphene	0.025	U
72-20-8	Endrin	0.0050	U	5103-74-2	y-chlordane	0.0050	U
7421-93-4	Endrin Aldehyde	0.0050	U				

Worksheet #: 765020

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_3\Data\12-11-24\
Data File : 3G162436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 07:55
Operator : AH//PR/KM
Sample : SMB119853
Misc : S,PEST
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 13:50:10 2024
Quant Method : G:\GCDATA\2024\GC_3\MethodQt\3_PEST1120.M
Quant Title : @GC_3,ug,608,8081
QLast Update : Thu Nov 21 10:25:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

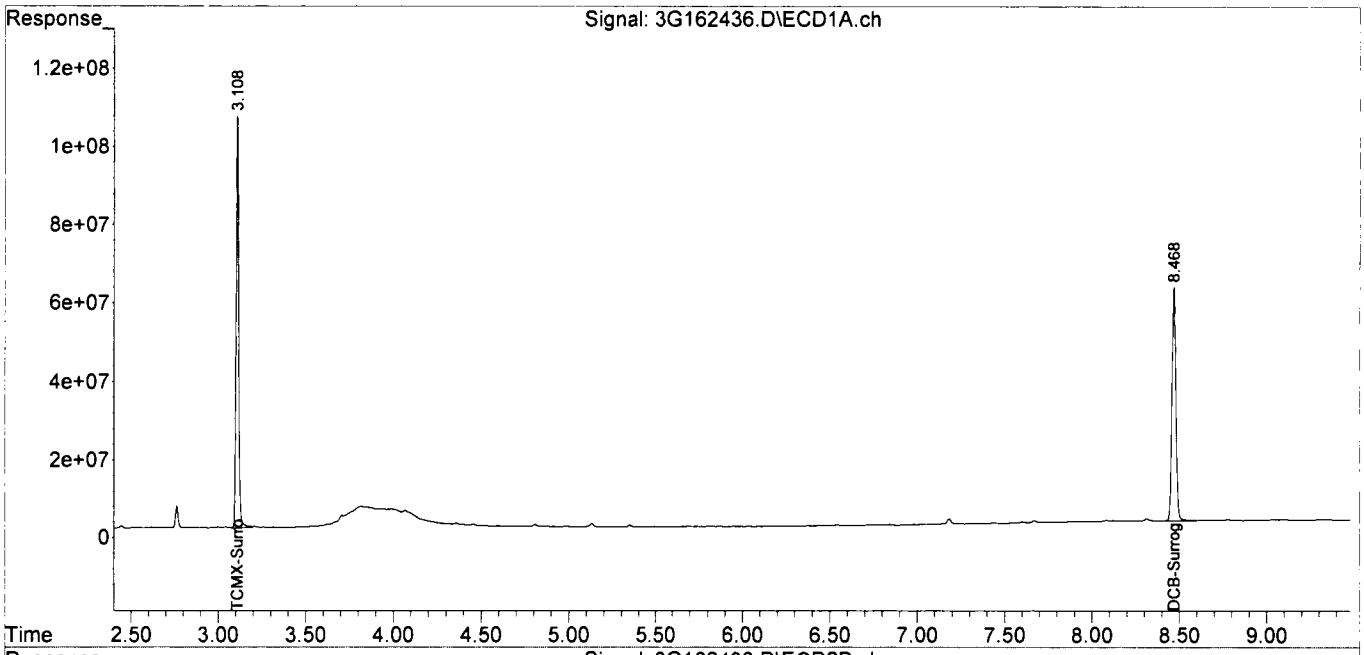
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.109	3.241	1099.2E6	821.2E6	94.362	92.942m
22)	DCB-Surrogate	8.469	9.153	942.3E6	704.2E6	92.500	101.927

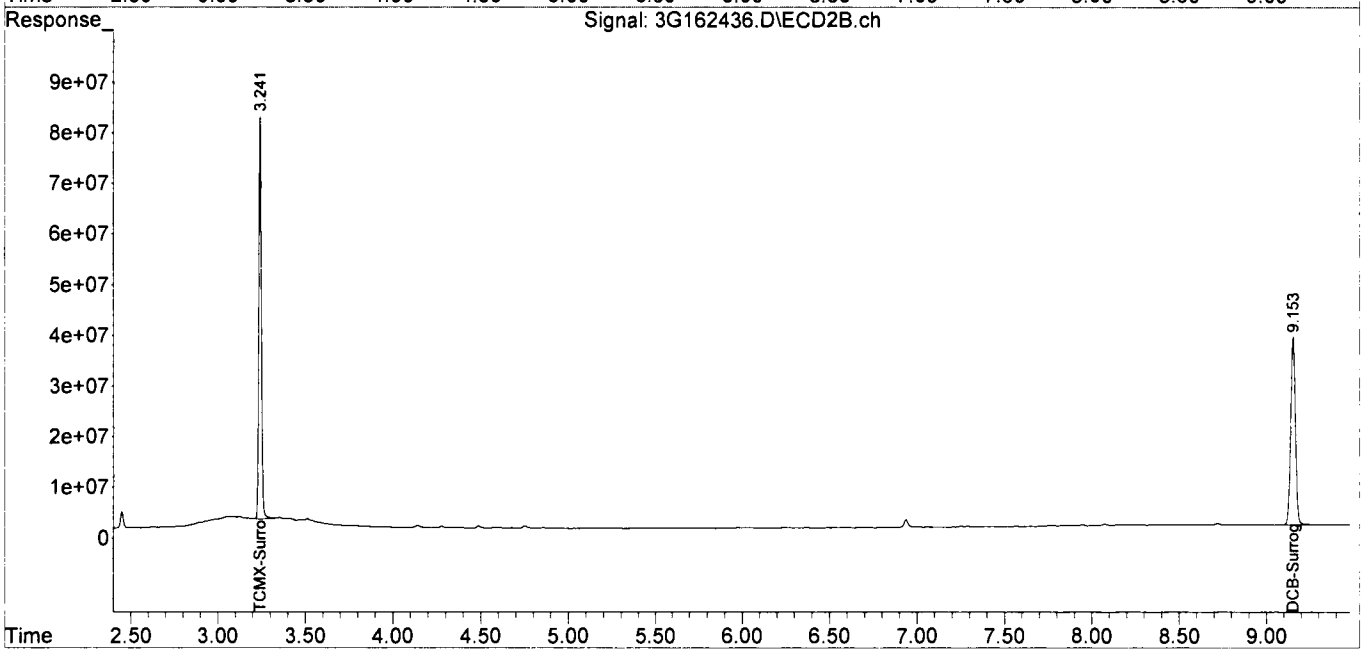
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_3\Data\12-11-24\
Data File : 3G162436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2024 07:55
Operator : AH//PR/KM
Sample : SMB119853
Misc : S,PEST
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 13:50:10 2024
Quant Method : G:\GCDATA\2024\GC_3\MethodQt\3_PEST1120.M
Quant Title : @GC_3,ug,608,8081
QLast Update : Thu Nov 21 10:25:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: SMB119835
Client Id:
Data File: 6G194008.D
Analysis Date: 12/10/24 08:36
Date Rec/Extracted: NA-12/09/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0050	U	53494-70-5	Endrin Ketone	0.0050	U
309-00-2	Aldrin	0.0050	U	58-89-9	gamma-BHC	0.0010	U
319-84-6	alpha-BHC	0.0010	U	76-44-8	Heptachlor	0.0050	U
319-85-7	beta-BHC	0.0010	U	1024-57-3	Heptachlor Epoxide	0.0050	U
319-86-8	delta-BHC	0.0050	U	72-43-5	Methoxychlor	0.0050	U
60-57-1	Dieldrin	0.0010	U	72-54-8	p,p'-DDD	0.0025	U
959-98-8	Endosulfan I	0.0050	U	72-55-9	p,p'-DDE	0.0025	U
33213-65-9	Endosulfan II	0.0050	U	50-29-3	p,p'-DDT	0.0025	U
1031-07-8	Endosulfan Sulfate	0.0050	U	8001-35-2	Toxaphene	0.025	U
72-20-8	Endrin	0.0050	U	5103-74-2	y-chlordane	0.0050	U
7421-93-4	Endrin Aldehyde	0.0050	U				

Worksheet #: 765020

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 08:36
Operator : AH/PR/KM
Sample : SMB119835 (Sig #1); SMB119838 (Sig #2)
Misc : S,PEST
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:24:40 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

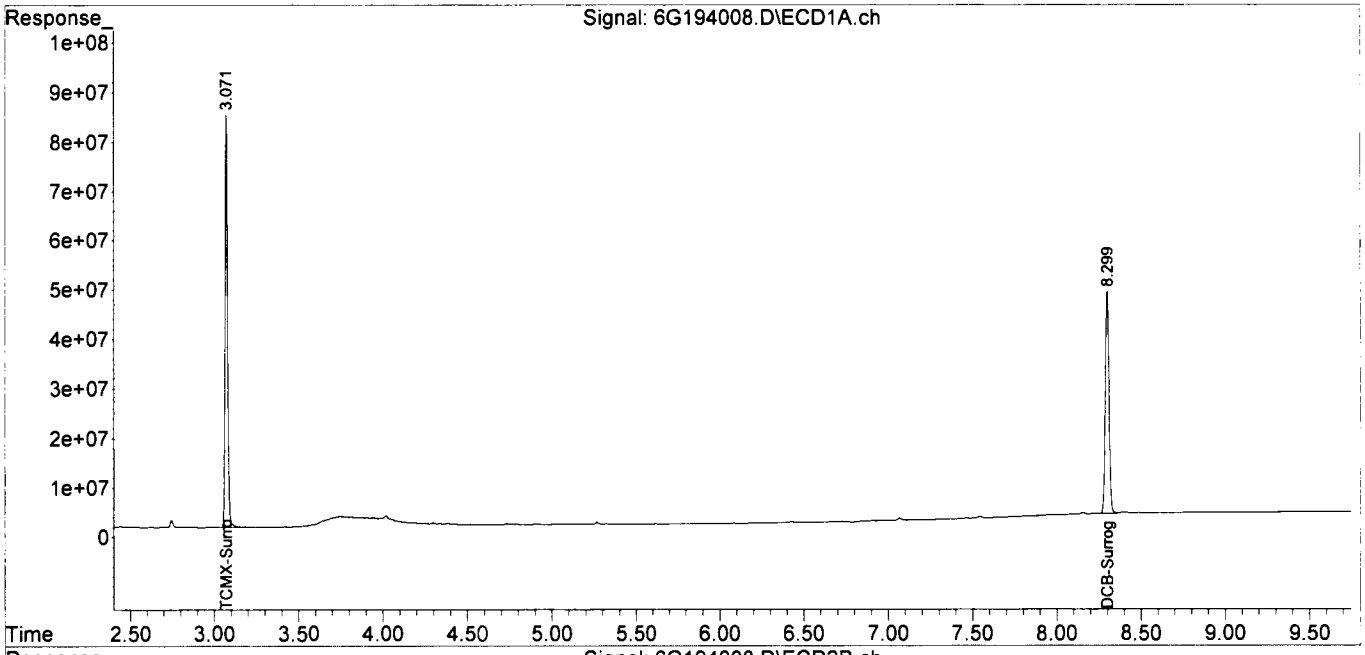
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.071	3.316	854.5E6	698.4E6	89.071	93.077m
22)	DCB-Surrogate	8.299	9.395	680.9E6	543.4E6	79.938m	88.856

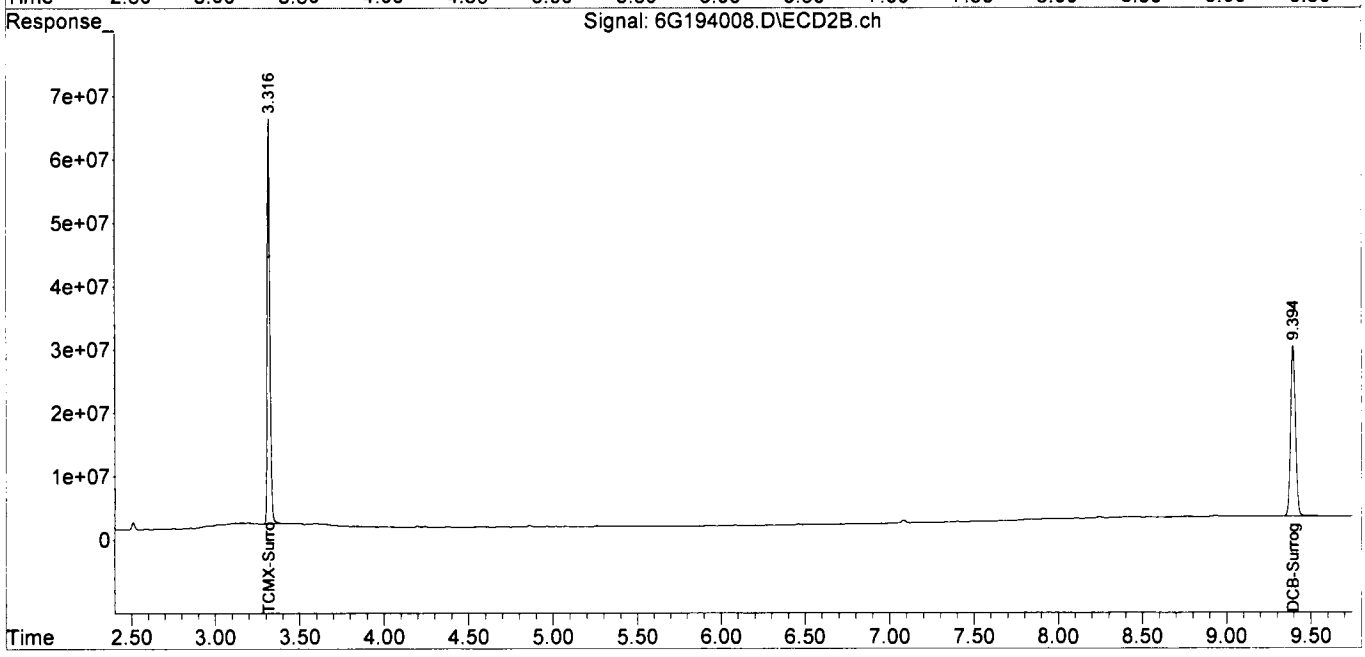
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-10-24\
Data File : 6G194008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2024 08:36
Operator : AH/PR/KM
Sample : SMB119835 (Sig #1); SMB119838 (Sig #2)
Misc : S,PEST
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 04 11:24:40 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Tue Nov 19 14:03:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PETROLEUM HYDROCARBON REPORT

Sample Number: SMB119837
Client Id:
Data File: 8G675866.D
Analysis Date: 12/09/24 15:17
Date Rec/Extracted: NA-12/09/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8015D
Matrix: Soil
Initial Vol: 5g
Final Vol: 1ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phchpd2	Diesel Range Organics	60	U				

Worksheet #: 764873

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_8\Data\12-09-24\
Data File : 8G675866.D
Signal(s) : FID1A.CH
Acq On : 09-Dec-24, 15:17:10
Operator : AH/ABM/KT/JR
Sample : SMB119837
Misc : S,TPH
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 09 17:29:22 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)mt	C8	0.000	0	N.D.		d
2)mte	C9	0.000	0	N.D.		d
3)mdte	C10	0.000	0	N.D.		d
4)mdte	C12	0.000	0	N.D.		d
5)mdte	C14	0.000	0	N.D.		d
6)dte	C16	0.000	0	N.D.		d
7)dte	C17	0.000	0	N.D.		d
8)dte	Pristane	0.000	0	N.D.		d
9)dte	C18	0.000	0	N.D.		d
10)dte	Phytane	0.000	0	N.D.		d
11)dte	C20	0.000	0	N.D.		d
12)dte	C22	0.000	0	N.D.		d
13)dte	C24	0.000	0	N.D.		d
14)dte	C26	0.000	0	N.D.		d
15)dte	C28	0.000	0	N.D.		d
16)te	C30	0.000	0	N.D.		d
17)te	C32	0.000	0	N.D.		d
18)te	C34	0.000	0	N.D.		d
19)te	C36	0.000	0	N.D.		d
20)t	C40	0.000	0	N.D.		d
21)	Chlorobenzene	2.227	20060	10.791		
22)	O-Terphenyl	6.454	62138	20.287		
23)d	Diesel Range Organics(T	6.454f	169639	67.792		m
24)t	Total Petroleum Hydroca	6.454f	745637	299.970		m
25)e	Ext. Petroleum Hydrocar	0.000	0	N.D.		d
26)m	Mineral Spirits(TOTAL)	0.000	0	N.D.		d
27)m	Stoddard Solvent(TOTAL)	0.000	0	N.D.		d

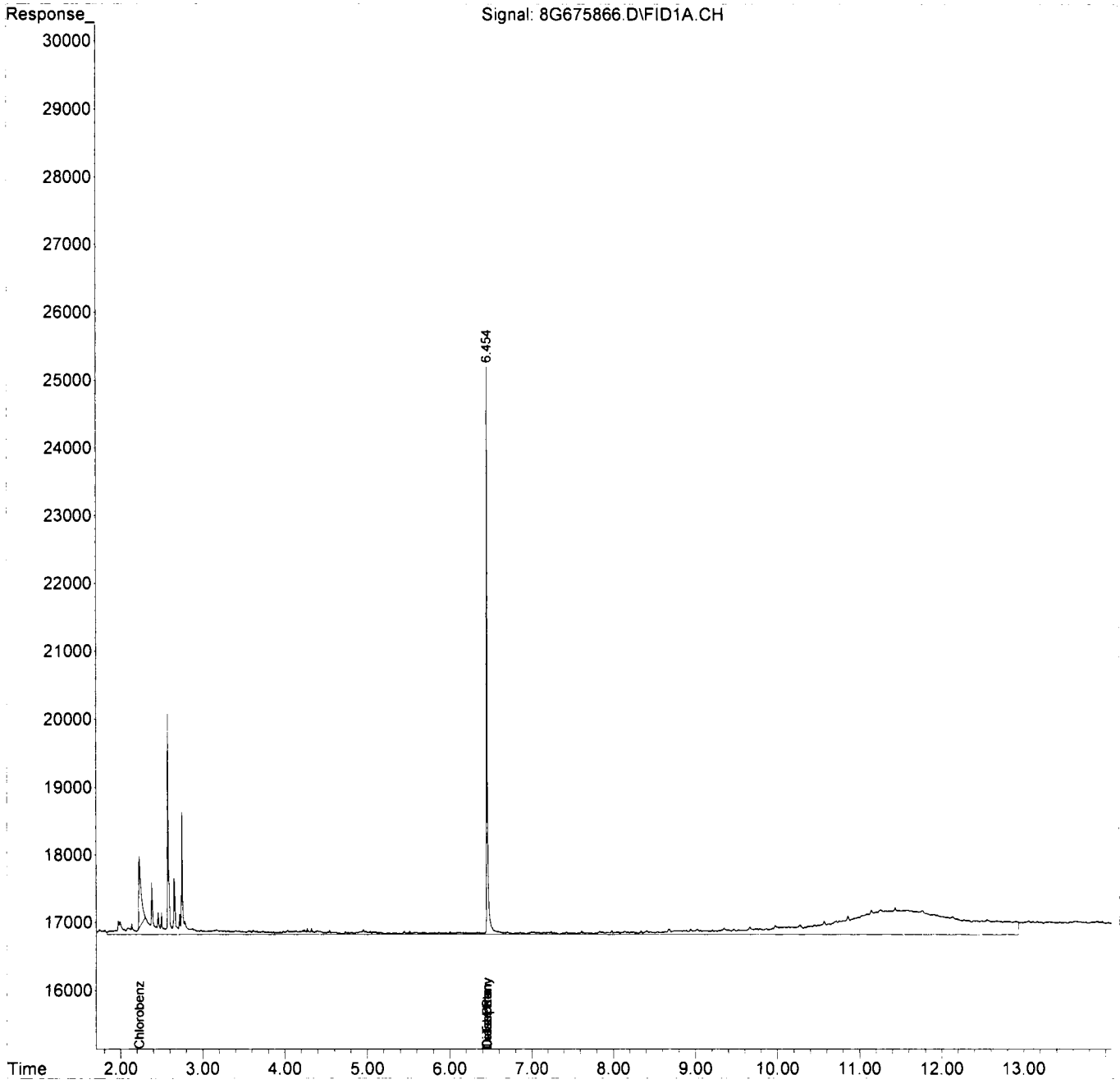
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_8\Data\12-09-24\
Data File : 8G675866.D
Signal(s) : FID1A.CH
Acq On : 09-Dec-24, 15:17:10
Operator : AH/ABM/KT/JR
Sample : SMB119837
Misc : S,TPH
ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 09 17:29:22 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :



Form1

ORGANICS REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 13AM30936.D
Analysis Date: 12/05/24 14:23
Date Rec/Extracted: NA-12/05/24
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8015D
Matrix: Methanol
Initial Vol: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phcg	Gasoline Range Organics	25	U				

Worksheet #: 764879

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

Data Path : G:\GcMsData\2024\GC_13A\Data\12-05-24\
Data File : 13AM30936.D
Signal(s) : FID1A.ch
Acq On : 05 Dec 2024 14:23
Operator : WP/MD
Sample : DAILY BLANK
Misc : M,MEOH
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 05 14:39:25 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1)S 1,4-Dichlorobenzene-d4	9.402	593694	26.473	
Target Compounds				
2) 2-Methylpentane	0.000	0	N.D.	
3) 1,2,4-Trimethylbenzene	0.000	0	N.D.	
4)g Gasoline Range Organics	0.000	0	N.D.	ug/L d

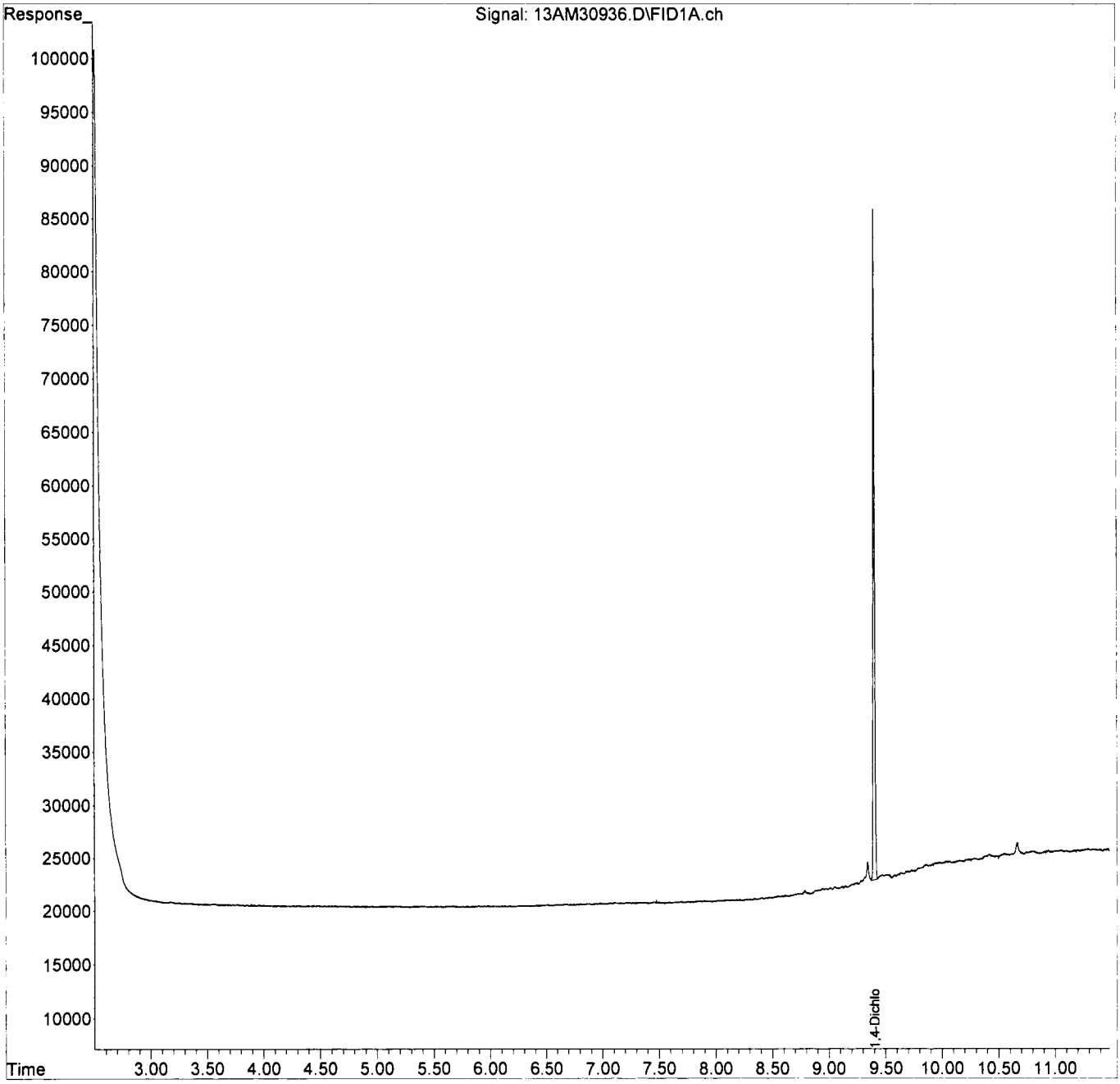
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\GcMsData\2024\GC_13A\Data\12-05-24\
Data File : 13AM30936.D
Signal(s) : FID1A.ch
Acq On : 05 Dec 2024 14:23
Operator : WP/MD
Sample : DAILY BLANK
Misc : M,MEOH
ALS Vial : 4 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 05 14:39:25 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/06/24
Data File: S120624ANEW
Prep Batch: 116692
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: MS3_7700SWA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4120509

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430526-10	CCB V-430526-19	CCB V-430526-31	CCB V-430526-43	CCB V-430526-55	CCB V-430526-59	MB 116692-20
Aluminum	50 U	100 U	100 U	100 U	100 U	100U	10000U
Antimony	.75U	1.5U	1.5U	1.5U	1.5U	1.5U	150U
Arsenic	.5U	1U	1U	1U	1U	1U	100U
Barium	1.25U	2.5U	2.5U	2.5U	2.5U	2.5U	250U
Beryllium	.25U	.5U	.5U	.5U	.5U	.5U	50U
Cadmium	.5U	1U	1U	1U	1U	1U	100U
Calcium	250U	500U	500U	500U	500U	500U	50000U
Chromium	.5U	1U	1U	1U	1U	1U	100U
Cobalt	.5U	1U	1U	1U	1U	1U	100U
Copper	2.5U	5U	5U	5U	5U	5U	500U
Iron	75U	150U	150U	150U	150U	150U	15000U
Lead	.75U	1.5U	1.5U	1.5U	1.5U	1.5U	150U
Magnesium	250U	500U	500U	500U	500U	500U	50000U
Manganese	2.5U	5U	5U	5U	5U	5U	500U
Nickel	2.5U	5U	5U	5U	5U	5U	500U
Potassium	250U	500U	500U	500U	500U	500U	50000U
Selenium	2.5U	5U	5U	5U	5U	5U	500U
Silver	.5U	1U	1U	1U	1U	1U	100U
Sodium	250U	500U	500U	500U	500U	500U	50000U
Thallium	.5U	1U	1U	1U	1U	1U	100U
Vanadium	.5U	1U	1U	1U	1U	1U	100U
Zinc	10U	20U	20U	20U	20U	20U	2000U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/09/24
Data File: S120924ANEW
Prep Batch: 116692
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: MS3_7700SWA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4120509

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430526-10	CCB V-430526-18	CCB V-430526-25
Copper	2.5U	5U	5U
Manganese	2.5U	5U	5U
Zinc	10U	20U	20U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/06/24
Data File: H31584S
Prep Batch: 116692
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: HGCV3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4120509

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430963-9	CCB V-430963-21	CCB V-430963-33	MB 116692 (167)-10
Mercury	.5 U	.5 U	.5 U	83 U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/09/24
Data File: H31584SC
Prep Batch: 116692
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: HGCV3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4120509

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430963-9	CCB V-430963-21	CCB V-430963-24
Mercury	.5 U	.5 U	.5 U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/09/24
Data File: T31586A5
Prep Batch: 116694
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: PEICP5A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4120509

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430630-6	CCB V-430630-16	CCB V-430630-25	MB 116694 (1)-10	EF V-430744-14
Arsenic	.05 U	.1 U	.1 U	.05 U	.1 U
Barium	.125 U	.25 U	.25 U	.13 U	.25 U
Cadmium	.025 U	.05 U	.05 U	.025 U	.05 U
Chromium	.05 U	.1 U	.1 U	.05 U	.1 U
Lead	.025 U	.05 U	.05 U	.025 U	.05 U
Nickel	.05 U	.1 U	.1 U	.05 U	.1 U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/09/24
Data File: T31586B5
Prep Batch: 116694
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: PEICP5A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4120509

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430630-6	CCB V-430630-17	CCB V-430630-21
Lead	.025 U	.05 U	.05 U
Selenium	.05 U	.1 U	.1 U
Silver	.025 U	.05 U	.05 U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/10/24
Data File: H31586T
Prep Batch: 116694
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: HGCV4A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4120509

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-431080-9	CCB V-431080-21	CCB V-431080-25	MB 116694 (1)-10	EF V-430774-23
Mercury	.5 U	.5 U	.5 U	.5 U	.5 U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

VERITECH Wet Chem Form1 Analysis Summary

Lab#: AD48506-017
Matrix Soil
Client SampleID: SB-20-COMP

Project Number: 4120509
Received Date: 12/4/2024
Collect Date: 12/4/2024

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Cyanide (Reactive)	CN-REACTIVE	1	ND	mg/Kg	0.50	12/06/24	12/06/24
Ignitability (POS/NEG)	IGNIT-1030	1	NEG			12/09/24	12/09/24
Burning Rate (mm/sec)	IGNIT-1030	1	NA			12/09/24	12/09/24
Flame Propagation (POS/NEG)	IGNIT-1030	1	NEG			12/09/24	12/09/24
Temperature	PH-SOIL	1	20.4	C			12/06/24
pH	PH-SOIL	1	8.1	pH			12/06/24
Sulfide (Reactive)	S-REACTIVE	1	ND	mg/kg	100	12/06/24	12/06/24

Analysis Type: PH-S

Batch Number: PH-S-2532

Units: pH

Calibration Curve Information

Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
DUP	AD48532-002	0	NA	20	10.2	NA	0.098	
LCS	LCS	4.4	80-120	NA	4.44	101	NA	

Analytical Method(s)

9045D

Sam #	Type	MB	Result	RL	Per Sol	Full Result	PH	TEMP	Prep Date	Prep By	Anal Date	Anal By
LCS	LCS		4.4		100	4.44	4.44	22.2			12/06/24	PR
AD48532-002	DUP		10		100	10.2	10.20	20.1			12/06/24	PR
AD48532-002	Sample		10		100	10.21	10.21	20.3			12/06/24	PR
AD48506-017	Sample		8.1		100	8.13	8.13	20.4			12/06/24	PR

Flag Codes: Ra - Recovery failed specified criteria (PVS/LCS/MS/MSD/ICV/CAL)
Na - Not Applicable
Rp - RPD failed specified criteria.
Nc - Not Checked ..either one or both values =ND

MS/MSD/DUP Recovery

Prep Batch: S-1947 Sample ID: AD48485-006
Method: SW846 7.3 Matrix: Soil

Qc Type: MS		Limits		MS	Sample			MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov	Dil	Conc	Conc	% Rec	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Cyanide (Reactive)	0.4	75-125	1	0.3836	0	96		20241206175	13	12/06/24 18:18	20241206175	15	12/06/24 18:22

Qc Type: MSD		Limits			MSD	Sample			MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov	Rpd	Dil	Conc	Conc	% Rec	Rpd	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Cyanide (Reactive)	0.4	75-125	20	1	0.3898	0	97	1.6	20241206175	14	12/06/24 18:20	20241206175	15	12/06/24 18:22

LCS Recoveries

	BatchRunID/RunID:====>			202412061750-12							
	QcBatchID:====>			LCSS-1947							
	Date/Time:====>			12/06/24 18:15							
	Analytical Method:====>			SW846 7.3							
	Matrix:====>			Soil		Soil		Soil		Soil	
Analyte	SW846 7.3 Amt	Limits	Amt	Limits	% Rec	Flags	% Rec	Flags	% Rec	Flags	% Rec	Flags	% Rec	Flags
Cyanide (Rea	0.4	75-125			106									

Calibration Summary:

Instrument: DA1
Analysis Meth: SW846 7.3

Analyte	Batch ID	Run#	Qc Type	Recov	Spk Amt	Limit
Cyanide (Reactive)	202412061750	9	ICV	96	0.4	90-110
Cyanide (Reactive)	202412061750	21	CCV	101	0.4	90-110

Blank Summary

Instrument: DA1

Qc Type: Method Blank Summary Prep Date: 12/6/24

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
202412061750	12/6/24 18:13	MBS-1947	11	Cyanide (	ND	0.50

Qc Type: CCB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
202412061750	12/6/24 18:35	CCB	22	Cyanide (	ND	0.020

Analysis Type: RS

Batch Number: RS-1947

Units: mg/kg

Calibration Curve Information

Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
CAL-01	CAL-01-12/06/24	16	90-110	NA	15.62925	98	NA	
LCS	LCS 4	400	80-120	NA	400.75	100	NA	
LCS	LCS 3	400	80-120	NA	390.73125	98	NA	
LCS	LCS 2	400	80-120	NA	400.75	100	NA	
LCS	LCS 1	400	80-120	NA	400.75	100	NA	
MS	AD48485-006	400	80-120	NA	390.73125	98	NA	
MSD	AD48485-006	400	80-120	20	380.7125	95	2.6	

Analytical Method(s)

SW846 7.3

Sam #	Type	MB	Result	RL	Per Sol	Full Result	Titr Vol	Iod Vol	DF	Sam Wt (g)	Scrb Vol (ml)	Prep Date	Prep By	Anal Date	Anal By
CAL-01-12/06/24	CAL-01		16		100	15.629	6.1	10	1	250	250			12/06/24	PR
MB-1-12/06/24	MB	MB-1-12/06/24	ND	100	100	10.019	9.9	10	1	10	250	12/06/24	PR	12/06/24	PR
LCS 1	LCS	MB-1-12/06/24	400	100	100	400.75	6.0	10	1	10	250	12/06/24	PR	12/06/24	PR
LCS 2	LCS	MB-1-12/06/24	400	100	100	400.75	6.0	10	1	10	250	12/06/24	PR	12/06/24	PR
LCS 3	LCS	MB-1-12/06/24	390	100	100	390.73	6.1	10	1	10	250	12/06/24	PR	12/06/24	PR
LCS 4	LCS	MB-1-12/06/24	400	100	100	400.75	6.0	10	1	10	250	12/06/24	PR	12/06/24	PR
AD48485-006	MS	MB-1-12/06/24	390	100	94	390.73	6.1	10	1	10	250	12/06/24	PR	12/06/24	PR
AD48485-006	MSD	MB-1-12/06/24	380	100	94	380.71	6.2	10	1	10	250	12/06/24	PR	12/06/24	PR
AD48485-006	Sample	MB-1-12/06/24	ND	100	94	40.075	9.6	10	1	10	250	12/06/24	PR	12/06/24	PR
AD48447-002	Sample	MB-1-12/06/24	ND	100	84	50.094	9.5	10	1	10	250	12/06/24	PR	12/06/24	PR
AD48501-002	Sample	MB-1-12/06/24	ND	100	100	0	10.0	10	1	10	250	12/06/24	PR	12/06/24	PR
AD48501-004	Sample	MB-1-12/06/24	ND	100	100	50.094	9.5	10	1	10	250	12/06/24	PR	12/06/24	PR
AD48506-017	Sample	MB-1-12/06/24	ND	100	68	0	10.0	10	1	10	250	12/06/24	PR	12/06/24	PR
AD48532-002	Sample	MB-1-12/06/24	ND	100	90	50.094	9.5	10	1	10	250	12/06/24	PR	12/06/24	PR

Flag Codes: Ra - Recovery failed specified criteria (PVS/LCS/MS/MSD/ICV/CAL)
Na - Not Applicable
Rp - RPD failed specified criteria.
Nc - Not Checked ..either one or both values =ND

Miscellaneous Data

Hampton-Clarke, Inc.

LEACHATE PREPARATION LOG
(TCLP, SPLP)

Start Date: 12/5/2024 TIME: 1:17 PM Finish Date: 12/6/2024

**TCLP Ext. Fluid #1 pH: 4.92 (criteria: 4.93 ± 0.05)
**TCLP Ext. Fluid #2 pH: _____ (criteria: 2.88 ± 0.05)
**SPLP Ext. Fluid #3 pH: 4.25 (criteria: 4.20 ± 0.05)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Filter Time	Analyst (s)	Ext. Type*	Comments
48410-001	5.94	1.59	4.64	V-430744	25g/0.5L	4:54	8:52	9:35	DC	T	Balance ID: M
48501-002	10.15	2.22	5.16		50g/1L			↓			pH Meter ID:
↓ -004	10.17	2.46	5.09					9:45			Pipette ID:
48506-017	8.26	1.90	4.75	↓				↓		↓	
48170-001	—	—	9.45	V-429712				10:10		P	
-002	—	—	10.04					↓			
-003	—	—	9.71					10:45			
-004	—	—	9.86					↓			
-005	—	—	9.89					11:00			
-006	—	—	9.83					↓			
↓ -007	—	—	9.43		↓			12:00			↓
48354-001	—	—	9.32		100g/2L			↓			O
↓ -002	—	—	9.10	↓	↓			12:10		↓	↓
48528-001	—	—	8.90	V-429712	100g/2L			↓		P	O
↓ -002	—	—	9.01	↓	↓			12:20		↓	↓
EFI V-430744	4.92	—	4.54	—	1L			9:15		—	—
SPLP V-429712	4.25	—	7.58	—	3L	↓	↓	↓	↓	—	—

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

Hampton-Clarke
Analytical & Field Services

Last Page of Report

Hampton-Clarke
Analytical & Field Services

175 US Highway 46, STE D · Fairfield, NJ 07004-2327
2 Madison Road, Fairfield, NJ 07004-2327
800-426-9992 · 973-244-9770
FAX: 973-244-9787
WWW.HCVLAB.COM

Project: Queens Botanical Gardens

Client PO: Not Available

Report To: LIRO Engineers, Inc.
703 Lorimer Street
Brooklyn, NY 11211
Attn: Steve Frank/Amy Hewson

Received Date: 12/9/2024

Report Date: 12/26/2024

Deliverables: NYDOH-S

Lab ID: AD48589

Lab Project No: 4121001

Sean Berls - Quality Assurance Officer OR **Jean Revolus - Laboratory Director**

NJ (07071) NY (ELAP11408) CT (PH-0671)
PA (68-00463) KY (90124)

Sample Summary

Client: LIRO Engineers, Inc.
Project: Queens Botanical Gardens

HC Project #: 4121001

Lab#	SampleID	Matrix	Collection Date	Receipt Date
AD48589-001	SB-07-9.5-10.0'	Soil	12/5/2024	12/9/2024
AD48589-002	SB-09-9.5-10.0'	Soil	12/5/2024	12/9/2024
AD48589-003	SB-12-9.5-10.0'	Soil	12/5/2024	12/9/2024
AD48589-004	SB-13-9.5-10.0'	Soil	12/5/2024	12/9/2024
AD48589-005	SB-18-7.5-8.0'	Soil	12/5/2024	12/9/2024
AD48589-006	SB-21-7.5-8.0'	Soil	12/5/2024	12/9/2024
AD48589-007	SB-10-7.5-8.0'	Soil	12/6/2024	12/9/2024
AD48589-008	SB-11-7.5-8.0'	Soil	12/6/2024	12/9/2024
AD48589-009	SB-11-7.5-8.0 DUP	Soil	12/6/2024	12/9/2024
AD48589-010	SB-17-7.5-8.0'	Soil	12/6/2024	12/9/2024
AD48589-011	SB-22-7.5-8.0'	Soil	12/6/2024	12/9/2024
AD48589-012	SB-22-COMP	Soil	12/6/2024	12/9/2024
AD48589-013	SB-17-COMP	Soil	12/6/2024	12/9/2024
AD48589-014	SB-08-COMP	Soil	12/4/2024	12/9/2024
AD48589-015	SB-24-COMP	Soil	12/4/2024	12/9/2024
AD48589-016	TWP-10 U	Aqueous	12/6/2024	12/9/2024
AD48589-017	TWP-10 F	Aqueous	12/6/2024	12/9/2024
AD48589-018	TWP-12 U	Aqueous	12/5/2024	12/9/2024
AD48589-019	TWP-12 F	Aqueous	12/5/2024	12/9/2024
AD48589-020	TWP-21-U	Aqueous	12/5/2024	12/9/2024
AD48589-021	TWP-21-F	Aqueous	12/5/2024	12/9/2024

Laboratory Chronicle

Client: LIRO Engineers, Inc.
HC Project #: 4121001
Project: Queens Botanical Gardens

Lab#: AD48589-001 **Sample ID: SB-07-9.5-10.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/11/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/11/24 10:20	jleary	EPA 7471B	12/13/24 11:51	AH
Organochlorine Pesticides 8081	3510C/3541	12/12/24 15:14	marie	EPA 8081B	12/13/24 10:13	AH/PR/KM
PCB 8082	3510C/3541	12/12/24 15:14	marie	EPA 8082A	12/16/24 06:26	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/14/24 05:00	smarwala	EPA 8270E	12/16/24 13:10	AH/JB
TAL Metals 6020B	3005&10/3050	12/11/24 13:10	jleary	EPA 6020B	12/11/24 16:29	PC
TAL Metals 6020B	3005&10/3050	12/11/24 13:10	jleary	EPA 6020B	12/12/24 11:46	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/10/24 17:57	WP/MD/VJ/SG

Lab#: AD48589-002 **Sample ID: SB-09-9.5-10.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/11/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/11/24 10:20	jleary	EPA 7471B	12/13/24 11:53	AH
Organochlorine Pesticides 8081	3510C/3541	12/12/24 15:14	marie	EPA 8081B	12/16/24 04:03	AH/PR/KM
PCB 8082	3510C/3541	12/12/24 15:14	marie	EPA 8082A	12/16/24 10:03	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/14/24 05:00	smarwala	EPA 8270E	12/15/24 18:09	AH/JB
TAL Metals 6020B	3005&10/3050	12/11/24 13:10	jleary	EPA 6020B	12/11/24 16:33	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/10/24 18:19	WP/MD/VJ/SG

Lab#: AD48589-003 **Sample ID: SB-12-9.5-10.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/11/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/11/24 10:20	jleary	EPA 7471B	12/13/24 11:54	AH
Organochlorine Pesticides 8081	3510C/3541	12/12/24 15:14	marie	EPA 8081B	12/13/24 09:49	AH/PR/KM
PCB 8082	3510C/3541	12/12/24 15:14	marie	EPA 8082A	12/16/24 10:15	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/14/24 05:00	smarwala	EPA 8270E	12/15/24 22:03	AH/JB
TAL Metals 6020B	3005&10/3050	12/11/24 13:10	jleary	EPA 6020B	12/11/24 16:53	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/10/24 21:57	WP/MD/VJ/SG

Laboratory Chronicle

Client: LIRO Engineers, Inc.
HC Project #: 4121001
Project: Queens Botanical Gardens

Lab#: AD48589-004 **Sample ID: SB-13-9.5-10.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/11/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/11/24 10:20	jleary	EPA 7471B	12/13/24 11:55	AH
Organochlorine Pesticides 8081	3510C/3541	12/12/24 15:14	marie	EPA 8081B	12/13/24 09:37	AH/PR/KM
PCB 8082	3510C/3541	12/12/24 15:14	marie	EPA 8082A	12/16/24 10:27	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/14/24 05:00	smarwala	EPA 8270E	12/15/24 18:30	AH/JB
TAL Metals 6020B	3005&10/3050	12/11/24 13:10	jleary	EPA 6020B	12/11/24 16:58	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/10/24 19:03	WP/MD/VJ/SG

Lab#: AD48589-005 **Sample ID: SB-18-7.5-8.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/11/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/11/24 10:20	jleary	EPA 7471B	12/13/24 11:57	AH
Organochlorine Pesticides 8081	3510C/3541	12/12/24 15:14	marie	EPA 8081B	12/13/24 09:25	AH/PR/KM
PCB 8082	3510C/3541	12/12/24 15:14	marie	EPA 8082A	12/16/24 02:18	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/14/24 05:00	smarwala	EPA 8270E	12/16/24 11:23	AH/JB
TAL Metals 6020B	3005&10/3050	12/11/24 13:10	jleary	EPA 6020B	12/11/24 17:02	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/10/24 19:24	WP/MD/VJ/SG

Lab#: AD48589-006 **Sample ID: SB-21-7.5-8.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/11/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/11/24 10:20	jleary	EPA 7471B	12/13/24 11:58	AH
Organochlorine Pesticides 8081	3510C/3541	12/12/24 15:14	marie	EPA 8081B	12/13/24 09:12	AH/PR/KM
PCB 8082	3510C/3541	12/12/24 15:14	marie	EPA 8082A	12/16/24 10:39	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/14/24 05:00	smarwala	EPA 8270E	12/15/24 22:24	AH/JB
TAL Metals 6020B	3005&10/3050	12/11/24 13:10	jleary	EPA 6020B	12/11/24 17:07	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/10/24 19:46	WP/MD/VJ/SG

Laboratory Chronicle

Client: LIRO Engineers, Inc. **HC Project #:** 4121001

Project: Queens Botanical Gardens

Lab#: AD48589-007 **Sample ID: SB-10-7.5-8.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/11/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/11/24 10:20	jleary	EPA 7471B	12/13/24 12:00	AH
Organochlorine Pesticides 8081	3510C/3541	12/12/24 21:05	marie	EPA 8081B	12/13/24 08:33	AH/PR/KM
PCB 8082	3510C/3541	12/12/24 21:05	marie	EPA 8082A	12/16/24 11:14	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/14/24 05:00	smarwala	EPA 8270E	12/15/24 18:51	AH/JB
TAL Metals 6020B	3005&10/3050	12/11/24 13:10	jleary	EPA 6020B	12/11/24 17:11	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/10/24 20:08	WP/MD/VJ/SG

Lab#: AD48589-008 **Sample ID: SB-11-7.5-8.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/11/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/11/24 10:20	jleary	EPA 7471B	12/13/24 12:01	AH
Organochlorine Pesticides 8081	3510C/3541	12/12/24 21:05	marie	EPA 8081B	12/16/24 04:15	AH/PR/KM
PCB 8082	3510C/3541	12/12/24 21:05	marie	EPA 8082A	12/16/24 06:02	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/14/24 05:00	smarwala	EPA 8270E	12/16/24 11:44	AH/JB
TAL Metals 6020B	3005&10/3050	12/11/24 13:10	jleary	EPA 6020B	12/11/24 17:16	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/10/24 20:30	WP/MD/VJ/SG

Lab#: AD48589-009 **Sample ID: SB-11-7.5-8.0 DUP**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/11/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/11/24 10:20	jleary	EPA 7471B	12/13/24 12:02	AH
Organochlorine Pesticides 8081	3510C/3541	12/12/24 21:05	marie	EPA 8081B	12/13/24 08:21	AH/PR/KM
PCB 8082	3510C/3541	12/12/24 21:05	marie	EPA 8082A	12/16/24 06:14	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/14/24 05:00	smarwala	EPA 8270E	12/15/24 19:13	AH/JB
TAL Metals 6020B	3005&10/3050	12/11/24 13:10	jleary	EPA 6020B	12/11/24 17:21	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/10/24 20:51	WP/MD/VJ/SG

Laboratory Chronicle

Client: LIRO Engineers, Inc. **HC Project #:** 4121001

Project: Queens Botanical Gardens

Lab#: AD48589-010 **Sample ID: SB-17-7.5-8.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/11/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/11/24 10:20	jleary	EPA 7471B	12/13/24 12:07	AH
Organochlorine Pesticides 8081	3510C/3541	12/12/24 21:05	marie	EPA 8081B	12/13/24 08:09	AH/PR/KM
PCB 8082	3510C/3541	12/12/24 21:05	marie	EPA 8082A	12/16/24 05:38	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/14/24 05:00	smarwala	EPA 8270E	12/15/24 19:34	AH/JB
TAL Metals 6020B	3005&10/3050	12/11/24 13:10	jleary	EPA 6020B	12/11/24 17:26	PC
TAL Metals 6020B	3005&10/3050	12/11/24 13:10	jleary	EPA 6020B	12/12/24 11:51	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/10/24 21:13	WP/MD/VJ/SG

Lab#: AD48589-011 **Sample ID: SB-22-7.5-8.0'**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/11/24 00:00	kwilson
Mercury (Soil/Waste) 7471B	EPA 7471B	12/11/24 10:20	jleary	EPA 7471B	12/13/24 10:41	AH
Organochlorine Pesticides 8081	3510C/3541	12/12/24 21:05	marie	EPA 8081B	12/13/24 09:08	AH/PR/KM
PCB 8082	3510C/3541	12/12/24 21:05	marie	EPA 8082A	12/16/24 05:50	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/14/24 05:00	smarwala	EPA 8270E	12/15/24 22:46	AH/JB
TAL Metals 6020B	3005&10/3050	12/11/24 13:10	jleary	EPA 6020B	12/11/24 15:53	PC
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/10/24 21:35	WP/MD/VJ/SG

Lab#: AD48589-012 **Sample ID: SB-22-COMP**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/11/24 00:00	kwilson
Diesel Range Organics 8015D(C10-C28)	Mod. Shaker	12/16/24 17:10	marie	EPA 8015D	12/17/24 11:22	AH/ABM/KT/JR
Gasoline range organics 8015D(C6-C10)	EPA5030/5035			EPA 8015D	12/13/24 14:11	WP/MD
Ignitability (EPA 1030)		12/11/24	Kwilson	EPA 1030	12/11/24 00:00	Kwilson
Mercury (TCLP) 7470A	EPA 7470A	12/11/24 12:25	Ahiga	EPA 7470A	12/13/24 10:24	AH
pH 9045D				9045D	12/11/24 13:15	PR
Reactive Cyanide	SW846 7.3	12/12/24	parana	SW846 7.3	12/13/24 11:28	PT
Reactive Sulfide	SW846 7.3	12/12/24	PR	SW846 7.3	12/13/24 00:00	PT
TCLP Metals 6010D	3005&10/3050	12/11/24 11:20	Ahiga	EPA 6010D	12/11/24 15:01	SB
TCLP Metals Extraction 1311	EPA 1311	12/10/24 14:50	dciufalo		12/11/24 10:50	dciufalo

Laboratory Chronicle

Client: LIRO Engineers, Inc. **HC Project #:** 4121001

Project: Queens Botanical Gardens

Lab#: AD48589-013 **Sample ID: SB-17-COMP**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/11/24 00:00	kwilson
Diesel Range Organics 8015D(C10-C28)	Mod. Shaker	12/16/24 17:10	marie	EPA 8015D	12/17/24 11:45	AH/ABM/KT/JR
Gasoline range organics 8015D(C6-C10)	EPA5030/5035			EPA 8015D	12/13/24 14:28	WP/MD
Ignitability (EPA 1030)		12/11/24	Kwilson	EPA 1030	12/11/24 00:00	Kwilson
Mercury (TCLP) 7470A	EPA 7470A	12/11/24 12:25	Ahiga	EPA 7470A	12/13/24 10:32	AH
pH 9045D				9045D	12/11/24 13:15	PR
Reactive Cyanide	SW846 7.3	12/12/24	parana	SW846 7.3	12/13/24 11:31	PT
Reactive Sulfide	SW846 7.3	12/12/24	PR	SW846 7.3	12/13/24 00:00	PT
TCLP Metals 6010D	3005&10/3050	12/11/24 11:20	Ahiga	EPA 6010D	12/11/24 15:21	SB
TCLP Metals Extraction 1311	EPA 1311	12/10/24 14:50	dciufalo		12/11/24 10:50	dciufalo

Lab#: AD48589-014 **Sample ID: SB-08-COMP**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/11/24 00:00	kwilson
Diesel Range Organics 8015D(C10-C28)	Mod. Shaker	12/16/24 17:10	marie	EPA 8015D	12/17/24 12:08	AH/ABM/KT/JR
Gasoline range organics 8015D(C6-C10)	EPA5030/5035			EPA 8015D	12/13/24 14:45	WP/MD
Ignitability (EPA 1030)		12/11/24	Kwilson	EPA 1030	12/11/24 00:00	Kwilson
Mercury (TCLP) 7470A	EPA 7470A	12/11/24 12:25	Ahiga	EPA 7470A	12/13/24 10:34	AH
pH 9045D				9045D	12/11/24 13:15	PR
Reactive Cyanide	SW846 7.3	12/12/24	parana	SW846 7.3	12/13/24 11:33	PT
Reactive Sulfide	SW846 7.3	12/12/24	PR	SW846 7.3	12/13/24 00:00	PT
TCLP Metals 6010D	3005&10/3050	12/11/24 11:20	Ahiga	EPA 6010D	12/11/24 16:22	SB
TCLP Metals 6010D	3005&10/3050	12/11/24 11:20	Ahiga	EPA 6010D	12/11/24 15:32	SB
TCLP Metals Extraction 1311	EPA 1311	12/10/24 14:50	dciufalo		12/11/24 11:00	dciufalo

Lab#: AD48589-015 **Sample ID: SB-24-COMP**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
% Solids SM2540G				SM 2540G	12/11/24 00:00	kwilson
Diesel Range Organics 8015D(C10-C28)	Mod. Shaker	12/16/24 17:10	marie	EPA 8015D	12/17/24 12:31	AH/ABM/KT/JR
Gasoline range organics 8015D(C6-C10)	EPA5030/5035			EPA 8015D	12/13/24 15:02	WP/MD
Ignitability (EPA 1030)		12/11/24	Kwilson	EPA 1030	12/11/24 00:00	Kwilson
Mercury (TCLP) 7470A	EPA 7470A	12/11/24 12:25	Ahiga	EPA 7470A	12/13/24 10:39	AH
pH 9045D				9045D	12/11/24 13:15	PR
Reactive Cyanide	SW846 7.3	12/12/24	parana	SW846 7.3	12/13/24 11:35	PT
Reactive Sulfide	SW846 7.3	12/12/24	PR	SW846 7.3	12/13/24 00:00	PT
TCLP Metals 6010D	3005&10/3050	12/11/24 11:20	Ahiga	EPA 6010D	12/11/24 15:36	SB
TCLP Metals Extraction 1311	EPA 1311	12/10/24 14:50	dciufalo		12/11/24 11:00	dciufalo

Laboratory Chronicle

Client: LIRO Engineers, Inc.
HC Project #: 4121001
Project: Queens Botanical Gardens

Lab#: AD48589-016 **Sample ID: TWP-10 U**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	12/13/24 13:28	jleary	EPA 7470A	12/16/24 12:05	AH
Organochlorine Pesticides 8081	3510C/3541	12/12/24 06:30	AR	EPA 8081B	12/13/24 14:21	AH/PR/KM
PCB 8082	3510C/3541	12/12/24 06:30	AR	EPA 8082A	12/15/24 15:16	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/11/24 09:01	Lynda	EPA 8270E	12/11/24 17:57	AH/JB
TAL Metals 6020B	3005&10/3050	12/13/24 13:55	jleary	EPA 6020B	12/13/24 18:00	JL
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/10/24 21:08	WP/SG/MD/VJ

Lab#: AD48589-017 **Sample ID: TWP-10 F**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	12/13/24 13:28	jleary	EPA 7470A	12/16/24 12:06	AH
TAL Metals 6020B	3005&10/3050	12/13/24 13:55	jleary	EPA 6020B	12/13/24 18:03	JL

Lab#: AD48589-018 **Sample ID: TWP-12 U**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	12/13/24 13:28	jleary	EPA 7470A	12/16/24 12:08	AH
Organochlorine Pesticides 8081	3510C/3541	12/12/24 06:30	AR	EPA 8081B	12/13/24 14:33	AH/PR/KM
PCB 8082	3510C/3541	12/12/24 06:30	AR	EPA 8082A	12/15/24 15:28	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/11/24 09:01	Lynda	EPA 8270E	12/11/24 18:57	AH/JB/KT
TAL Metals 6020B	3005&10/3050	12/13/24 13:55	jleary	EPA 6020B	12/13/24 18:07	JL
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/10/24 18:05	WP/SG/MD/VJ

Lab#: AD48589-019 **Sample ID: TWP-12 F**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	12/13/24 13:28	jleary	EPA 7470A	12/16/24 12:09	AH
TAL Metals 6020B	3005&10/3050	12/13/24 13:55	jleary	EPA 6020B	12/13/24 18:10	JL

Laboratory Chronicle

Client: LIRO Engineers, Inc.

HC Project #: 4121001

Project: Queens Botanical Gardens

Lab#: AD48589-020 **Sample ID: TWP-21-U**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	12/13/24 13:28	jleary	EPA 7470A	12/16/24 12:10	AH
Organochlorine Pesticides 8081	3510C/3541	12/12/24 06:30	AR	EPA 8081B	12/13/24 14:45	AH/PR/KM
PCB 8082	3510C/3541	12/12/24 06:30	AR	EPA 8082A	12/15/24 15:40	AH/PR/KM
Semivolatile Organics (no search) 8270	3510C/3550C	12/11/24 09:01	Lynda	EPA 8270E	12/11/24 19:41	AH/JB/KT
TAL Metals 6020B	3005&10/3050	12/13/24 13:55	jleary	EPA 6020B	12/13/24 18:14	JL
Volatile Organics (no search) 8260	EPA5030/5035			EPA 8260D	12/10/24 18:25	WP/SG/MD/VJ

Lab#: AD48589-021 **Sample ID: TWP-21-F**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Mercury (Water) 7470A	EPA 7470A	12/13/24 13:28	jleary	EPA 7470A	12/16/24 12:12	AH
TAL Metals 6020B	3005&10/3050	12/13/24 13:55	jleary	EPA 6020B	12/13/24 18:17	JL

HC Case Narrative

Client: LIRO Engineers, Inc. **HC Project:** 4121001
Project: Queens Botanical Gardens

This case narrative is in the form of an exception report. Method specific and/or QA/QC anomalies related to this report only are detailed below.

Volatile Organic Analysis:

Methylene chloride was recovered in samples AD48589-001, -003, -004, -005, -006, -007, -008, -009, -010 due to possible laboratory contamination.

The Method Blank Spike for batch 120223 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries. Please refer to Form 4 to see which samples are associated with the Method Blank Spike.

The Matrix Spike for batch 120223 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

The spiking compounds were diluted out of the Matrix Spike and/or Matrix Spike Duplicate for batch 120220. Please refer to the applicable Form 3 for the recoveries.

Base Neutral/Acid Extractable Analysis:

The Method Blank Spike for batches 119858, 120227 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries. Please refer to Form 4 to see which samples are associated with the Method Blank Spike.

The MSD RPD, Matrix Spike and/or Matrix Spike Duplicate for batches 119858, 120227 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Sample AD48578-003(MS/MSD) had one or more surrogates outside QC limits. Please refer to the applicable Form 2 for the recoveries.

PCB Analysis:

The Method Blank Spike for batch 119873 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries. Please refer to Form 4 to see which samples are associated with the Method Blank Spike.

Sample AD48589-006, -016 has a surrogate recovery outside QC limits. Please refer to the applicable Form 2 for the recoveries.

Pesticide Analysis:

The Method Blank Spike for batch 119872 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries. Please refer to Form 4 to see which samples are associated with the Method Blank Spike.

Sample AD48589-006 has a surrogate recovery outside QC limits. Please refer to the applicable Form 2 for the recoveries.

Diesel Range Organics Analysis:

Data conforms to method requirements.

Gasoline Range Organics Analysis:

Data conforms to method requirements.

Metals Analysis:

The Post Spike, Matrix Spike and/or Matrix Spike Duplicate for batches 116706, 116710 had recoveries outside QC limits. Please refer to the applicable Form 5/7 for the recoveries.

The RPD between the QC sample and the Method Replicate had recoveries outside QC limits in batch 116706. Please refer to the applicable Form 6/9 for the recoveries.

The MS/MSD RPD had recoveries outside QC limits in batch 116706. Please refer to the applicable Form 6/9 for the recoveries.

The serial dilution for batch 116710 is outside QC limits for one or more analytes. Please refer to the applicable Form 6/9 for the recoveries.

Samples AD48589-017, -019, -021 were filtered and preserved in the laboratory per client's request. Per 40 CFR Part 136.3 Table II, Footnote 7, samples tested for dissolved metals must be filtered within 15 minutes of collection to ensure accurate results.

Sample AD48589-001 was reported at a dilution for Mn due to concentration over linear range.

Sample AD48589-010 was reported at a dilution for Cu, Zn due to concentrations over linear range.

TCLP Metals Analysis:

Sample AD48589-014 was reported at a dilution for Ag, Se due to concentrations over linear range.

Wet Chemistry Analysis:

Samples AD48589-012, -013, -014, -015 were analyzed for Reactivity using SW-846 7.3. SW-846 7.3 is not a NELAP accredited parameter.

Sean Berls
Quality Assurance Officer

Or

Jean Revolus
Laboratory Director

12/26/2024
Date

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120220

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M196157.D	AD48300-002(50X)(T:MS)	12/10/2024 4:22:00 PM
Non Spike(If applicable):	1M196149.D	AD48300-002(50X)(T)	12/10/2024 1:39:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	20	0*	16	181
Dichlorodifluoromethane	1	0	0	20	0*	10	202
Chloromethane	1	0	0	20	0*	10	182
Bromomethane	1	0	0	20	0*	10	172
Vinyl Chloride	1	0	0	20	0*	26	176
Chloroethane	1	0	0	20	0*	28	165
Trichlorofluoromethane	1	0	0	20	0*	18	178
Ethyl ether	1	0	0	20	0*	38	155
Furan	1	0	0	20	0*	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0	0	20	0*	32	178
Methylene Chloride	1	0	0	20	0*	10	225
Acrolein	1	0	0	100	0*	10	183
Acrylonitrile	1	0	0	20	0*	40	164
Iodomethane	1	0	0	20	0*	10	191
Acetone	1	0	0	100	0*	10	237
Carbon Disulfide	1	0	0	20	0*	10	194
t-Butyl Alcohol	1	0	0	100	0*	21	185
n-Hexane	1	0	0	20	0*	43	179
Di-isopropyl-ether	1	0	0	20	0*	47	159
1,1-Dichloroethene	1	0	0	20	0*	42	172
Methyl Acetate	1	0	0	20	0*	10	192
Methyl-t-butyl ether	1	0	0	20	0*	43	154
1,1-Dichloroethane	1	0	0	20	0*	48	160
trans-1,2-Dichloroethene	1	0	0	20	0*	37	171
Ethyl-t-butyl ether	1	0	0	20	0*	53	149
cis-1,2-Dichloroethene	1	0	0	20	0*	45	161
Bromochloromethane	1	0	0	20	0*	42	170
2,2-Dichloropropane	1	0	0	20	0*	33	173
Ethyl acetate	1	0	0	20	0*	38	156
1,4-Dioxane	1	0	0	1000	0*	18	186
1,1-Dichloropropene	1	0	0	20	0*	51	157
Chloroform	1	0	0	20	0*	47	157
Cyclohexane	1	0	0	20	0*	41	175
1,2-Dichloroethane	1	0	0	20	0*	43	154
2-Butanone	1	0	0	20	0*	20	188
1,1,1-Trichloroethane	1	0	0	20	0*	49	155
Carbon Tetrachloride	1	0	0	20	0*	47	159
Vinyl Acetate	1	0	0	20	0*	31	160
Bromodichloromethane	1	0	0	20	0*	48	152
Methylcyclohexane	1	0	0	20	0*	47	167
Dibromomethane	1	0	0	20	0*	47	153
1,2-Dichloropropane	1	0	0	20	0*	53	153
Trichloroethene	1	0	0	20	0*	45	165
Benzene	1	0	0	20	0*	41	163
tert-Amyl methyl ether	1	0	0	20	0*	51	146
Iso-propylacetate	1	0	0	20	0*	37	153
Methyl methacrylate	1	0	0	20	0*	40	160
Dibromochloromethane	1	0	0	20	0*	50	144
2-Chloroethylvinylether	1	0	0	20	0*	10	201
cis-1,3-Dichloropropene	1	0	0	20	0*	49	146
trans-1,3-Dichloropropene	1	0	0	20	0*	48	144
Ethyl methacrylate	1	0	0	20	0*	38	160
1,1,2-Trichloroethane	1	0	0	20	0*	52	146
1,2-Dibromoethane	1	0	0	20	0*	55	140
1,3-Dichloropropane	1	0	0	20	0*	54	142
4-Methyl-2-Pentanone	1	0	0	20	0*	41	158
2-Hexanone	1	0	0	20	0*	39	163
Tetrachloroethene	1	0	0	20	0*	48	156
Toluene	1	0	0	20	0*	49	153
1,1,1,2-Tetrachloroethane	1	0	0	20	0*	51	140
Chlorobenzene	1	0	0	20	0*	43	155

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120220

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	0	0	20	0*	21	181
n-Amyl acetate	1	0	0	20	0*	20	182
Bromoform	**1**	**0**	**0**	**20**	**0***	**47**	**137**
Ethylbenzene	**1**	**0**	**0**	**20**	**0***	**41**	**153**
1,1,2,2-Tetrachloroethane	**1**	**0**	**0**	**20**	**0***	**36**	**152**
Styrene	**1**	**0**	**0**	**20**	**0***	**34**	**170**
m&p-Xylenes	**1**	**0**	**0**	**40**	**0***	**16**	**184**
o-Xylene	**1**	**0**	**0**	**20**	**0***	**31**	**166**
trans-1,4-Dichloro-2-butene	1	0	0	20	0*	10	154
1,3-Dichlorobenzene	**1**	**0**	**0**	**20**	**0***	**46**	**147**
1,4-Dichlorobenzene	**1**	**0**	**0**	**20**	**0***	**37**	**156**
1,2-Dichlorobenzene	**1**	**0**	**0**	**20**	**0***	**42**	**150**
Isopropylbenzene	**1**	**0**	**0**	**20**	**0***	**32**	**174**
Cyclohexanone	1	0	0	100	0*	10	254
Camphene	1	0	0	20	0*	10	172
1,2,3-Trichloropropane	1	0	0	20	0*	20	164
2-Chlorotoluene	1	0	0	20	0*	43	153
p-Ethyltoluene	1	0	0	20	0*	36	164
4-Chlorotoluene	1	0	0	20	0*	34	160
n-Propylbenzene	1	0	0	20	0*	36	170
Bromobenzene	1	0	0	20	0*	44	142
1,3,5-Trimethylbenzene	1	0	0	20	0*	37	165
Butyl methacrylate	1	0	0	20	0*	30	169
t-Butylbenzene	1	0	0	20	0*	48	152
1,2,4-Trimethylbenzene	1	0	0	20	0*	38	162
sec-Butylbenzene	1	0	0	20	0*	42	164
4-Isopropyltoluene	1	0	0	20	0*	40	162
n-Butylbenzene	1	0	0	20	0*	30	176
p-Diethylbenzene	1	0	0	20	0*	23	179
1,2,4,5-Tetramethylbenzene	1	0	0	20	0*	18	177
1,2-Dibromo-3-Chloropropane	**1**	**0**	**0**	**20**	**0***	**32**	**154**
Camphor	1	0	0	200	0*	10	202
Hexachlorobutadiene	1	0	0	20	0*	23	181
1,2,4-Trichlorobenzene	**1**	**0**	**0**	**20**	**0***	**28**	**169**
1,2,3-Trichlorobenzene	**1**	**0**	**0**	**20**	**0***	**30**	**172**
Naphthalene	1	0	0	20	0*	13	191

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120220

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M196158.D	AD48300-002(50X)(T:MSD)	12/10/2024 4:43:00 PM
Non Spike(If applicable):	1M196149.D	AD48300-002(50X)(T)	12/10/2024 1:39:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	20	0*	16	181
Dichlorodifluoromethane	1	0	0	20	0*	10	202
Chloromethane	1	0	0	20	0*	10	182
Bromomethane	1	0	0	20	0*	10	172
Vinyl Chloride	1	0	0	20	0*	26	176
Chloroethane	1	0	0	20	0*	28	165
Trichlorofluoromethane	1	0	0	20	0*	18	178
Ethyl ether	1	0	0	20	0*	38	155
Furan	1	0	0	20	0*	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0	0	20	0*	32	178
Methylene Chloride	1	0	0	20	0*	10	225
Acrolein	1	0	0	100	0*	10	183
Acrylonitrile	1	0	0	20	0*	40	164
Iodomethane	1	0	0	20	0*	10	191
Acetone	1	0	0	100	0*	10	237
Carbon Disulfide	1	0	0	20	0*	10	194
t-Butyl Alcohol	1	0	0	100	0*	21	185
n-Hexane	1	0	0	20	0*	43	179
Di-isopropyl-ether	1	0	0	20	0*	47	159
1,1-Dichloroethene	1	0	0	20	0*	42	172
Methyl Acetate	1	0	0	20	0*	10	192
Methyl-t-butyl ether	1	0	0	20	0*	43	154
1,1-Dichloroethane	1	0	0	20	0*	48	160
trans-1,2-Dichloroethene	1	0	0	20	0*	37	171
Ethyl-t-butyl ether	1	0	0	20	0*	53	149
cis-1,2-Dichloroethene	1	0	0	20	0*	45	161
Bromochloromethane	1	0	0	20	0*	42	170
2,2-Dichloropropane	1	0	0	20	0*	33	173
Ethyl acetate	1	0	0	20	0*	38	156
1,4-Dioxane	1	0	0	1000	0*	18	186
1,1-Dichloropropene	1	0	0	20	0*	51	157
Chloroform	1	0	0	20	0*	47	157
Cyclohexane	1	0	0	20	0*	41	175
1,2-Dichloroethane	1	0	0	20	0*	43	154
2-Butanone	1	0	0	20	0*	20	188
1,1,1-Trichloroethane	1	0	0	20	0*	49	155
Carbon Tetrachloride	1	0	0	20	0*	47	159
Vinyl Acetate	1	0	0	20	0*	31	160
Bromodichloromethane	1	0	0	20	0*	48	152
Methylcyclohexane	1	0	0	20	0*	47	167
Dibromomethane	1	0	0	20	0*	47	153
1,2-Dichloropropane	1	0	0	20	0*	53	153
Trichloroethene	1	0	0	20	0*	45	165
Benzene	1	0	0	20	0*	41	163
tert-Amyl methyl ether	1	0	0	20	0*	51	146
Iso-propylacetate	1	0	0	20	0*	37	153
Methyl methacrylate	1	0	0	20	0*	40	160
Dibromochloromethane	1	0	0	20	0*	50	144
2-Chloroethylvinylether	1	0	0	20	0*	10	201
cis-1,3-Dichloropropene	1	0	0	20	0*	49	146
trans-1,3-Dichloropropene	1	0	0	20	0*	48	144
Ethyl methacrylate	1	0	0	20	0*	38	160
1,1,2-Trichloroethane	1	0	0	20	0*	52	146
1,2-Dibromoethane	1	0	0	20	0*	55	140
1,3-Dichloropropane	1	0	0	20	0*	54	142
4-Methyl-2-Pentanone	1	0	0	20	0*	41	158
2-Hexanone	1	0	0	20	0*	39	163
Tetrachloroethene	1	0	0	20	0*	48	156
Toluene	1	0	0	20	0*	49	153
1,1,1,2-Tetrachloroethane	1	0	0	20	0*	51	140
Chlorobenzene	1	0	0	20	0*	43	155

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120220

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	0	0	20	0*	21	181
n-Amyl acetate	1	0	0	20	0*	20	182
Bromoform	1	0	0	20	0*	47	137
Ethylbenzene	1	0	0	20	0*	41	153
1,1,2,2-Tetrachloroethane	1	0	0	20	0*	36	152
Styrene	1	0	0	20	0*	34	170
m&p-Xylenes	1	0	0	40	0*	16	184
o-Xylene	1	0	0	20	0*	31	166
trans-1,4-Dichloro-2-butene	1	0	0	20	0*	10	154
1,3-Dichlorobenzene	1	0	0	20	0*	46	147
1,4-Dichlorobenzene	1	0	0	20	0*	37	156
1,2-Dichlorobenzene	1	0	0	20	0*	42	150
Isopropylbenzene	1	0	0	20	0*	32	174
Cyclohexanone	1	0	0	100	0*	10	254
Camphene	1	0	0	20	0*	10	172
1,2,3-Trichloropropane	1	0	0	20	0*	20	164
2-Chlorotoluene	1	0	0	20	0*	43	153
p-Ethyltoluene	1	0	0	20	0*	36	164
4-Chlorotoluene	1	0	0	20	0*	34	160
n-Propylbenzene	1	0	0	20	0*	36	170
Bromobenzene	1	0	0	20	0*	44	142
1,3,5-Trimethylbenzene	1	0	0	20	0*	37	165
Butyl methacrylate	1	0	0	20	0*	30	169
t-Butylbenzene	1	0	0	20	0*	48	152
1,2,4-Trimethylbenzene	1	0	0	20	0*	38	162
sec-Butylbenzene	1	0	0	20	0*	42	164
4-Isopropyltoluene	1	0	0	20	0*	40	162
n-Butylbenzene	1	0	0	20	0*	30	176
p-Diethylbenzene	1	0	0	20	0*	23	179
1,2,4,5-Tetramethylbenzene	1	0	0	20	0*	18	177
1,2-Dibromo-3-Chloropropane	1	0	0	20	0*	32	154
Camphor	1	0	0	200	0*	10	202
Hexachlorobutadiene	1	0	0	20	0*	23	181
1,2,4-Trichlorobenzene	1	0	0	20	0*	28	169
1,2,3-Trichlorobenzene	1	0	0	20	0*	30	172
Naphthalene	1	0	0	20	0*	13	191

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120223

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M189789.D	MBS120223	12/10/2024 3:03:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	101.4608	0	50	203*	10	168
Dichlorodifluoromethane	1	56.0107	0	50	112	10	150
Chloromethane	1	46.0415	0	50	92	12	150
Bromomethane	1	51.6728	0	50	103	23	136
Vinyl Chloride	1	59.4475	0	50	119	21	153
Chloroethane	1	55.5656	0	50	111	33	147
Trichlorofluoromethane	1	71.6664	0	50	143	29	156
Ethyl ether	1	39.983	0	50	80	10	141
Furan	1	52.647	0	50	105	22	152
1,1,2-Trichloro-1,2,2-trifluoroethane	1	78.0193	0	50	156*	32	149
Methylene Chloride	1	55.2673	0	50	111	35	147
Acrolein	1	227.5047	0	200	114	10	149
Acrylonitrile	1	43.1846	0	50	86	20	130
Iodomethane	1	74.5769	0	50	149	10	152
Acetone	1	243.3223	0	200	122	22	222
Carbon Disulfide	1	87.6587	0	50	175*	18	135
t-Butyl Alcohol	1	334.6493	0	200	167	38	178
n-Hexane	1	72.9499	0	50	146	11	154
Di-isopropyl-ether	1	37.4276	0	50	75	38	150
1,1-Dichloroethene	1	70.3808	0	50	141	31	165
Methyl Acetate	1	44.3872	0	50	89	10	237
Methyl-t-butyl ether	1	43.8757	0	50	88	40	151
1,1-Dichloroethane	1	62.0672	0	50	124	41	149
trans-1,2-Dichloroethene	1	68.4162	0	50	137	33	150
Ethyl-t-butyl ether	1	42.1361	0	50	84	22	184
cis-1,2-Dichloroethene	1	57.8385	0	50	116	33	146
Bromochloromethane	1	40.7648	0	50	82	38	143
2,2-Dichloropropane	1	77.5986	0	50	155	38	161
Ethyl acetate	1	39.5847	0	50	79	10	130
1,4-Dioxane	1	3929.737	0	2500	157*	35	151
1,1-Dichloropropene	1	77.5144	0	50	155*	34	149
Chloroform	1	62.4693	0	50	125	41	145
Cyclohexane	1	69.2817	0	50	139	25	148
1,2-Dichloroethane	1	49.2495	0	50	98	37	143
2-Butanone	1	48.2191	0	50	96	21	163
1,1,1-Trichloroethane	1	76.5882	0	50	153*	38	149
Carbon Tetrachloride	1	80.1451	0	50	160*	33	150
Vinyl Acetate	1	38.3575	0	50	77	10	112
Bromodichloromethane	1	55.2372	0	50	110	36	146
Methylcyclohexane	1	78.4619	0	50	157*	15	147
Dibromomethane	1	47.1656	0	50	94	32	144
1,2-Dichloropropane	1	50.5992	0	50	101	40	144
Trichloroethene	1	65.681	0	50	131	24	161
Benzene	1	61.4498	0	50	123	38	146
tert-Amyl methyl ether	1	45.503	0	50	91	10	240
Iso-propylacetate	1	33.52	0	50	67	10	139
Methyl methacrylate	1	35.2511	0	50	71	10	224
Dibromochloromethane	1	42.2645	0	50	85	32	140
2-Chloroethylvinylether	1	42.5123	0	50	85	10	266
cis-1,3-Dichloropropene	1	49.843	0	50	100	27	139
trans-1,3-Dichloropropene	1	47.8049	0	50	96	22	141
Ethyl methacrylate	1	32.3387	0	50	65	16	151
1,1,2-Trichloroethane	1	39.9642	0	50	80	32	138
1,2-Dibromoethane	1	39.8806	0	50	80	30	135
1,3-Dichloropropane	1	42.46	0	50	85	36	136
4-Methyl-2-Pentanone	1	35.2211	0	50	70	23	137
2-Hexanone	1	39.8577	0	50	80	10	149
Tetrachloroethene	1	68.2855	0	50	137	24	140
Toluene	1	56.9618	0	50	114	31	139
1,1,1,2-Tetrachloroethane	1	48.1428	0	50	96	31	134
Chlorobenzene	1	52.6437	0	50	105	24	134

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120223

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	32.2535	0	50	65	10	140
n-Amyl acetate	1	31.4077	0	50	63	10	138
Bromoform	**1**	**40.0611**	**0**	**50**	**80**	**21**	**137**
Ethylbenzene	**1**	**56.529**	**0**	**50**	**113**	**29**	**137**
1,1,2,2-Tetrachloroethane	**1**	**37.3663**	**0**	**50**	**75**	**18**	**136**
Styrene	**1**	**50.647**	**0**	**50**	**101**	**14**	**141**
m&p-Xylenes	**1**	**113.4844**	**0**	**100**	**113**	**18**	**152**
o-Xylene	**1**	**51.8509**	**0**	**50**	**104**	**21**	**146**
trans-1,4-Dichloro-2-butene	1	46.7064	0	50	93	11	139
1,3-Dichlorobenzene	**1**	**52.4165**	**0**	**50**	**105**	**10**	**134**
1,4-Dichlorobenzene	**1**	**50.9002**	**0**	**50**	**102**	**10**	**132**
1,2-Dichlorobenzene	**1**	**45.9556**	**0**	**50**	**92**	**10**	**129**
Isopropylbenzene	**1**	**59.0422**	**0**	**50**	**118**	**14**	**150**
Cyclohexanone	1	372.9491	0	250	149	10	344
Camphene	1	73.0562	0	50	146*	10	137
1,2,3-Trichloropropane	1	42.5179	0	50	85	20	133
2-Chlorotoluene	1	62.1678	0	50	124	13	140
p-Ethyltoluene	1	66.2158	0	50	132	10	138
4-Chlorotoluene	1	60.9116	0	50	122	10	138
n-Propylbenzene	1	63.535	0	50	127	10	145
Bromobenzene	1	54.5582	0	50	109	14	132
1,3,5-Trimethylbenzene	1	55.1042	0	50	110	12	146
Butyl methacrylate	1	35.1622	0	50	70	10	154
t-Butylbenzene	1	58.1187	0	50	116	10	142
1,2,4-Trimethylbenzene	1	55.117	0	50	110	10	147
sec-Butylbenzene	1	61.4648	0	50	123	10	146
4-Isopropyltoluene	1	59.0616	0	50	118	10	128
n-Butylbenzene	1	68.0511	0	50	136	10	146
p-Diethylbenzene	1	61.9274	0	50	124	10	142
1,2,4,5-Tetramethylbenzene	1	55.1846	0	50	110	10	130
1,2-Dibromo-3-Chloropropane	**1**	**43.7161**	**0**	**50**	**87**	**16**	**126**
Camphor	1	557.9027	0	500	112	20	150
Hexachlorobutadiene	1	64.833	0	50	130*	10	123
1,2,4-Trichlorobenzene	**1**	**52.8473**	**0**	**50**	**106**	**10**	**128**
1,2,3-Trichlorobenzene	**1**	**48.5218**	**0**	**50**	**97**	**10**	**123**
Naphthalene	1	39.3692	0	50	79	10	140

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120223

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6M189786.D	AD48559-005(MS)	12/10/2024 1:58:00 PM
Non Spike(If applicable):	6M189782.D	AD48559-005	12/10/2024 12:31:00 P
Inst Blank(If applicable):			

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	64.9522	0	50	130	10	168
Dichlorodifluoromethane	1	63.581	0	50	127	10	150
Chloromethane	1	39.227	0	50	78	12	150
Bromomethane	1	52.6976	0	50	105	23	136
Vinyl Chloride	1	60.8245	0	50	122	21	153
Chloroethane	1	58.9147	0	50	118	33	147
Trichlorofluoromethane	1	76.789	0	50	154	29	156
Ethyl ether	1	61.2214	0	50	122	10	141
Furan	1	56.3531	0	50	113	22	152
1,1,2-Trichloro-1,2,2-trifluoroethane	1	86.0073	0	50	172*	32	149
Methylene Chloride	1	66.91	0	50	134	35	147
Acrolein	1	248.6663	0	200	124	10	149
Acrylonitrile	1	48.093	0	50	96	20	130
Iodomethane	1	89.8201	0	50	180*	10	152
Acetone	1	228.0578	0	200	114	22	222
Carbon Disulfide	1	89.7477	0	50	179*	18	135
t-Butyl Alcohol	1	297.7341	0	200	149	38	178
n-Hexane	1	78.1311	0	50	156*	11	154
Di-isopropyl-ether	1	55.3505	0	50	111	38	150
1,1-Dichloroethene	1	76.2927	0	50	153	31	165
Methyl Acetate	1	77.6782	0	50	155	10	237
Methyl-t-butyl ether	1	72.7513	0	50	146	40	151
1,1-Dichloroethane	1	70.3392	0	50	141	41	149
trans-1,2-Dichloroethene	1	73.4758	0	50	147	33	150
Ethyl-t-butyl ether	1	65.4563	0	50	131	22	184
cis-1,2-Dichloroethene	1	66.9371	0	50	134	33	146
Bromochloromethane	1	56.7099	0	50	113	38	143
2,2-Dichloropropane	1	84.2773	0	50	169*	38	161
Ethyl acetate	1	44.1817	0	50	88	10	130
1,4-Dioxane	1	3204.99	0	2500	128	35	151
1,1-Dichloropropene	1	81.2332	0	50	162*	34	149
Chloroform	1	74.1304	0	50	148*	41	145
Cyclohexane	1	73.8874	0	50	148	25	148
1,2-Dichloroethane	1	69.7274	0	50	139	37	143
2-Butanone	1	50.6954	0	50	101	21	163
1,1,1-Trichloroethane	1	83.5476	0	50	167*	38	149
Carbon Tetrachloride	1	87.5998	0	50	175*	33	150
Vinyl Acetate	1	40.0838	0	50	80	10	112
Bromodichloromethane	1	75.035	0	50	150*	36	146
Methylcyclohexane	1	84.3487	0	50	169*	15	147
Dibromomethane	1	65.1075	0	50	130	32	142
1,2-Dichloropropane	1	65.3201	0	50	131	40	144
Trichloroethene	1	71.1938	0	50	142	24	161
Benzene	1	71.4562	0	50	143	38	146
tert-Amyl methyl ether	1	71.6727	0	50	143	10	240
Iso-propylacetate	1	50.4209	0	50	101	10	139
Methyl methacrylate	1	59.1683	0	50	118	10	224
Dibromochloromethane	1	62.0313	0	50	124	32	140
2-Chloroethylvinylether	1	64.273	0	50	129	10	266
cis-1,3-Dichloropropene	1	66.7677	0	50	134	27	139
trans-1,3-Dichloropropene	1	67.1864	0	50	134	22	141
Ethyl methacrylate	1	46.481	0	50	93	16	151
1,1,2-Trichloroethane	1	59.8083	0	50	120	32	138
1,2-Dibromoethane	1	60.0576	0	50	120	30	135
1,3-Dichloropropane	1	62.667	0	50	125	36	136
4-Methyl-2-Pentanone	1	51.4181	0	50	103	23	137
2-Hexanone	1	49.1078	0	50	98	10	149
Tetrachloroethene	1	71.394	0	50	143*	24	140
Toluene	1	63.9239	0	50	128	31	139
1,1,1,2-Tetrachloroethane	1	63.5637	0	50	127	31	134
Chlorobenzene	1	63.0925	0	50	126	24	134

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120223

Method: 8260D Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	38.1576	0	50	76	10	140
n-Amyl acetate	1	27.4254	0	50	55	10	138
Bromoform	**1**	**61.4422**	**0**	**50**	**123**	**21**	**137**
Ethylbenzene	**1**	**62.4799**	**0**	**50**	**125**	**29**	**137**
1,1,2,2-Tetrachloroethane	**1**	**57.3694**	**0**	**50**	**115**	**18**	**136**
Styrene	**1**	**60.3685**	**0**	**50**	**121**	**14**	**141**
m&p-Xylenes	**1**	**123.0679**	**0**	**100**	**123**	**18**	**152**
o-Xylene	**1**	**60.4956**	**0**	**50**	**121**	**21**	**146**
trans-1,4-Dichloro-2-butene	1	60.505	0	50	121	11	139
1,3-Dichlorobenzene	**1**	**61.6008**	**0**	**50**	**123**	**10**	**134**
1,4-Dichlorobenzene	**1**	**60.434**	**0**	**50**	**121**	**10**	**132**
1,2-Dichlorobenzene	**1**	**58.5012**	**0**	**50**	**117**	**10**	**129**
Isopropylbenzene	**1**	**64.5975**	**0**	**50**	**129**	**14**	**150**
Cyclohexanone	1	107.747	0	250	43	10	344
Camphene	1	75.8913	0	50	152*	10	137
1,2,3-Trichloropropane	1	60.1863	0	50	120	20	133
2-Chlorotoluene	1	68.0296	0	50	136	13	140
p-Ethyltoluene	1	68.1785	0	50	136	10	138
4-Chlorotoluene	1	65.2302	0	50	130	10	138
n-Propylbenzene	1	67.9824	0	50	136	10	145
Bromobenzene	1	66.0146	0	50	132	14	132
1,3,5-Trimethylbenzene	1	63.0181	0	50	126	12	146
Butyl methacrylate	1	43.3112	0	50	87	10	154
t-Butylbenzene	1	63.899	0	50	128	10	142
1,2,4-Trimethylbenzene	1	63.4983	0	50	127	10	147
sec-Butylbenzene	1	66.1275	0	50	132	10	146
4-Isopropyltoluene	1	64.0621	0	50	128	10	128
n-Butylbenzene	1	71.1578	0	50	142	10	146
p-Diethylbenzene	1	65.7042	0	50	131	10	142
1,2,4,5-Tetramethylbenzene	1	65.5012	0	50	131*	10	130
1,2-Dibromo-3-Chloropropane	**1**	**55.1875**	**0**	**50**	**110**	**16**	**126**
~~Camphor~~	1	601.9209	0				
Hexachlorobutadiene	1	70.8787	0	50	142*	10	123
1,2,4-Trichlorobenzene	**1**	**64.9335**	**0**	**50**	**130***	**10**	**128**
1,2,3-Trichlorobenzene	**1**	**61.8875**	**0**	**50**	**124***	**10**	**123**
Naphthalene	1	55.498	0	50	111	10	140

MJ 12/18

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

FORM2

Surrogate Recovery

Method: EPA 8270E

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column1 S2 Recov	Column1 S3 Recov	Column1 S4 Recov	Column1 S5 Recov	Column1 S6 Recov
0M104524.D	WMB119858	A	12/11/24 17:35	1		61	43	106	108	113	127
9M131185.D	SMB120227	S	12/15/24 13:53	1		117	110	114	121	173	138
9M131225.D	AD48589-001(5X)	S	12/16/24 13:10	5		66	66	69	72	62	85
9M131197.D	AD48589-002	S	12/15/24 18:09	1		100	94	92	100	163	117
9M131208.D	AD48589-003(5X)	S	12/15/24 22:03	5		87	81	81	87	130	106
9M131198.D	AD48589-004	S	12/15/24 18:30	1		89	84	83	91	150	108
9M131220.D	AD48589-005(3X)	S	12/16/24 11:23	6		85	82	82	86	73	99
9M131209.D	AD48589-006(5X)	S	12/15/24 22:24	5		106	97	96	108	169	133
9M131199.D	AD48589-007	S	12/15/24 18:51	1		91	87	84	92	153	116
9M131221.D	AD48589-008(3X)	S	12/16/24 11:44	6		88	81	85	91	78	105
9M131200.D	AD48589-009	S	12/15/24 19:13	1		68	63	60	66	107	81
9M131201.D	AD48589-010	S	12/15/24 19:34	1		87	83	84	90	141	106
9M131210.D	AD48589-011(5X)	S	12/15/24 22:46	5		109	106	100	111	162	138
0M104525.D	AD48589-016	A	12/11/24 17:57	1		63	57	81	88	101	100
7M140292.D	AD48589-018	A	12/11/24 18:57	1		55	43	97	100	111	102
7M140294.D	AD48589-020	A	12/11/24 19:41	1		60	45	95	95	109	103
0M104523.D	WMB119858(MS)	A	12/11/24 17:13	1		55	41	88	94	109	105
0M104526.D	AD48589-016(MS)	A	12/11/24 18:19	1		66	61	93	96	112	107
0M104527.D	AD48589-016(MSD)	A	12/11/24 18:41	1		36	40	72	76	61	85
7M140362.D	SMB120227(MS)	S	12/15/24 13:27	1		108	111	118	114	130	121
9M131203.D	AD48578-003(5X)(MS)	S	12/15/24 20:16	5	SD	124	115	106	120	180*	142
9M131204.D	AD48578-003(5X)(MSD)	S	12/15/24 20:38	5	SD	132	123	114	127	186*	147
9M131226.D	AD48578-003(5X)	S	12/16/24 13:31	5		96	89	93	98	79	113

12/16

Flags: SD=Surrogate diluted out

*=Surrogate out

Method: EPA 8270E

Soil Laboratory Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	25-140
S2=Phenol-d5	100	27-146
S3=Nitrobenzene-d5	50	16-159
S4=2-Fluorobiphenyl	50	29-145
S5=2,4,6-Tribromophenol	100	12-174
S6=Terphenyl-d14	50	33-166

Aqueous Laboratory Limits

Compound	Spike Amt	Limits
S1=2-Fluorophenol	100	10-131
S2=Phenol-d5	100	10-133
S3=Nitrobenzene-d5	50	19-163
S4=2-Fluorobiphenyl	50	23-154
S5=2,4,6-Tribromophenol	100	20-180
S6=Terphenyl-d14	50	30-184

Form3
Recovery Data Laboratory Limits
QC Batch:WMB119858

Data File | Sample ID: | Analysis Date
Spike or Dup: 10M104523.D | WMB119858(MS) | 12/11/2024 5:13:00 PM
Non Spike(If applicable):
Inst Blank(If applicable):

Method: 8270E | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,4-Dioxane	1	45.0863	0	100	45	16	112
Pyridine	1	38.3695	0	100	38	10	131
N-Nitrosodimethylamine	1	51.6638	0	100	52	24	118
Benzaldehyde	1	71.4614	0	100	71	10	103
Aniline	1	64.8382	0	100	65	10	149
Pentachloroethane	1	73.0145	0	100	73	10	155
bis(2-Chloroethyl)ether	1	87.4152	0	100	87	42	118
Phenol	1	42.3538	0	100	42	19	121
2-Chlorophenol	1	84.0909	0	100	84	50	123
N-Decane	1	67.0697	0	100	67	25	129
1,3-Dichlorobenzene	1	79.937	0	100	80	13	126
1,4-Dichlorobenzene	1	77.9931	0	100	78	13	133
1,2-Dichlorobenzene	1	78.9388	0	100	79	16	129
Benzyl alcohol	1	79.2305	0	100	79	33	150
bis(2-chloroisopropyl)ether	1	69.1514	0	100	69	28	119
2-Methylphenol	1	80.5905	0	100	81	50	128
Acetophenone	1	83.0805	0	100	83	47	132
Hexachloroethane	1	78.5814	0	100	79	19	132
N-Nitroso-di-n-propylamine	1	88.5478	0	100	89	46	127
3&4-Methylphenol	1	75.5804	0	100	76	53	129
Nitrobenzene	1	86.2613	0	100	86	45	134
Isophorone	1	82.6549	0	100	83	48	121
2-Nitrophenol	1	94.3942	0	100	94	55	143
2,4-Dimethylphenol	1	82.2139	0	100	82	46	134
Benzoic Acid	1	23.4521	0	100	23	14	216
bis(2-Chloroethoxy)methane	1	84.9644	0	100	85	47	131
2,4-Dichlorophenol	1	94.9963	0	100	95	59	134
1,2,4-Trichlorobenzene	1	85.5944	0	100	86	32	135
Naphthalene	1	88.245	0	100	88	12	146
4-Chloroaniline	1	86.3754	0	100	86	10	161
Hexachlorobutadiene	1	80.9133	0	100	81	24	136
Caprolactam	1	39.6548	0	100	40	10	155
4-Chloro-3-methylphenol	1	95.4495	0	100	95	62	142
2-Methylnaphthalene	1	90.522	0	100	91	34	156
1-Methylnaphthalene	1	95.3993	0	100	95	44	149
1,1'-Biphenyl	1	86.6413	0	100	87	51	137
1,2,4,5-Tetrachlorobenzene	1	87.0796	0	100	87	52	131
Hexachlorocyclopentadiene	1	80.7185	0	100	81	24	137
2,4,6-Trichlorophenol	1	100.3009	0	100	100	66	142
2,4,5-Trichlorophenol	1	96.7097	0	100	97	65	143
2-Chloronaphthalene	1	95.2509	0	100	95	51	129
1,4-Dimethylnaphthalene	1	93.5977	0	100	94	50	137
Diphenyl Ether	1	89.2636	0	100	89	55	134
2-Nitroaniline	1	106.1104	0	100	106	45	165
Acenaphthylene	1	99.7243	0	100	100	46	130
Dimethylphthalate	1	98.365	0	100	98	10	177
2,6-Dinitrotoluene	1	103.7969	0	100	104	55	135
Acenaphthene	1	94.0114	0	100	94	48	136
3-Nitroaniline	1	102.2742	0	100	102	24	169
2,4-Dinitrophenol	1	103.8956	0	100	104	42	160
Dibenzofuran	1	102.112	0	100	102	50	147
2,4-Dinitrotoluene	1	108.1914	0	100	108	55	136
4-Nitrophenol	1	57.5961	0	100	58	27	141
2,3,4,6-Tetrachlorophenol	1	104.1089	0	100	104	59	141
Fluorene	1	99.5978	0	100	100	53	132
4-Chlorophenyl-phenylether	1	98.1057	0	100	98	58	133
Diethylphthalate	1	102.8709	0	100	103	25	152
4-Nitroaniline	1	109.8559	0	100	110	33	166
Atrazine	1	94.9701	0	100	95	21	152
4,6-Dinitro-2-methylphenol	1	111.1529	0	100	111	58	158
n-Nitrosodiphenylamine	1	83.9076	0	100	84	44	122

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: WMB119858

Method: 8270E | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,2-Diphenylhydrazine	1	97.3282	0	100	97	53	140
4-Bromophenyl-phenylether	**1**	**101.2527**	**0**	**100**	**101**	**60**	**139**
Hexachlorobenzene	**1**	**99.2471**	**0**	**100**	**99**	**58**	**132**
N-Octadecane	1	99.5975	0	100	100	53	157
Pentachlorophenol	**1**	**99.891**	**0**	**100**	**100**	**64**	**176**
Phenanthrene	**1**	**103.1198**	**0**	**100**	**103**	**56**	**136**
Anthracene	**1**	**97.1876**	**0**	**100**	**97**	**59**	**131**
Carbazole	**1**	**103.6222**	**0**	**100**	**104**	**53**	**159**
Di-n-butylphthalate	**1**	**111.2685**	**0**	**100**	**111**	**60**	**140**
Fluoranthene	**1**	**106.6346**	**0**	**100**	**107**	**61**	**139**
Pyrene	**1**	**100.1262**	**0**	**100**	**100**	**58**	**133**
Benzidine	1	3.7926	0	100	3.8*	10	96
Butylbenzylphthalate	**1**	**112.3446**	**0**	**100**	**112**	**61**	**145**
3,3'-Dichlorobenzidine	**1**	**88.1377**	**0**	**100**	**88**	**10**	**145**
Benzo[a]anthracene	**1**	**98.3031**	**0**	**100**	**98**	**56**	**122**
Chrysene	**1**	**97.2205**	**0**	**100**	**97**	**58**	**136**
bis(2-Ethylhexyl)phthalate	**1**	**105.1574**	**0**	**100**	**105**	**59**	**145**
Di-n-octylphthalate	**1**	**115.7479**	**0**	**100**	**116**	**57**	**147**
Benzo[b]fluoranthene	**1**	**103.7189**	**0**	**100**	**104**	**58**	**146**
Benzo[k]fluoranthene	**1**	**96.584**	**0**	**100**	**97**	**57**	**140**
Benzo[a]pyrene	**1**	**99.9808**	**0**	**100**	**100**	**55**	**135**
Indeno[1,2,3-cd]pyrene	**1**	**94.8423**	**0**	**100**	**95**	**59**	**147**
Dibenzo[a,h]anthracene	**1**	**99.9045**	**0**	**100**	**100**	**58**	**142**
Benzo[g,h,i]perylene	**1**	**100.474**	**0**	**100**	**100**	**57**	**138**

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: WMB119858

	Data File	Sample ID:	Analysis Date
Spike or Dup:	10M104526.D	AD48589-016(MS)	12/11/2024 6:19:00 PM
Non Spike(If applicable):	10M104525.D	AD48589-016	12/11/2024 5:57:00 PM
Inst Blank(If applicable):			

Method: 8270E Matrix: Aqueous Units: ug/L QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,4-Dioxane	1	46.6647	0	100	47	16	112
Pyridine	1	47.1383	0	100	47	10	131
N-Nitrosodimethylamine	1	59.537	0	100	60	24	118
Benzaldehyde	1	59.8783	0	100	60	10	103
Aniline	1	40.1173	0	100	40	10	149
Pentachloroethane	1	65.9128	0	100	66	10	155
bis(2-Chloroethyl)ether	1	80.572	0	100	81	42	118
Phenol	1	62.5958	0	100	63	19	121
2-Chlorophenol	1	77.5792	0	100	78	50	123
N-Decane	1	57.783	0	100	58	25	129
1,3-Dichlorobenzene	1	71.8716	0	100	72	13	126
1,4-Dichlorobenzene	1	74.4636	0	100	74	13	133
1,2-Dichlorobenzene	1	75.9321	0	100	76	16	129
Benzyl alcohol	1	80.2894	0	100	80	33	150
bis(2-chloroisopropyl)ether	1	67.482	0	100	67	28	119
2-Methylphenol	1	86.6312	0	100	87	50	128
Acetophenone	1	80.4058	0	100	80	47	132
Hexachloroethane	1	76.4758	0	100	76	19	132
N-Nitroso-di-n-propylamine	1	86.7111	0	100	87	46	127
3&4-Methylphenol	1	86.0738	0	100	86	53	129
Nitrobenzene	1	88.0194	0	100	88	45	134
Isophorone	1	82.6985	0	100	83	48	121
2-Nitrophenol	1	94.6659	0	100	95	55	143
2,4-Dimethylphenol	1	92.9874	0	100	93	46	134
Benzoic Acid	1	87.9087	0	100	88	14	216
bis(2-Chloroethoxy)methane	1	86.9817	0	100	87	47	131
2,4-Dichlorophenol	1	93.4722	0	100	93	59	134
1,2,4-Trichlorobenzene	1	85.0784	0	100	85	32	135
Naphthalene	1	92.7936	9.4909	100	83	12	146
4-Chloroaniline	1	54.2593	0	100	54	10	161
Hexachlorobutadiene	1	81.3167	0	100	81	24	136
Caprolactam	1	63.3792	0	100	63	10	155
4-Chloro-3-methylphenol	1	93.4272	0	100	93	62	142
2-Methylnaphthalene	1	86.4419	0	100	86	34	156
1-Methylnaphthalene	1	93.4919	0	100	93	44	149
1,1'-Biphenyl	1	82.6733	0	100	83	51	137
1,2,4,5-Tetrachlorobenzene	1	84.1644	0	100	84	52	131
Hexachlorocyclopentadiene	1	73.1757	0	100	73	24	137
2,4,6-Trichlorophenol	1	97.9667	0	100	98	66	142
2,4,5-Trichlorophenol	1	92.9714	0	100	93	65	143
2-Chloronaphthalene	1	93.7638	0	100	94	51	129
1,4-Dimethylnaphthalene	1	90.2154	0	100	90	50	137
Diphenyl Ether	1	86.6831	0	100	87	55	134
2-Nitroaniline	1	100.7162	0	100	101	45	165
Acenaphthylene	1	97.6637	0	100	98	46	130
Dimethylphthalate	1	94.2737	0	100	94	10	177
2,6-Dinitrotoluene	1	100.1071	0	100	100	55	135
Acenaphthene	1	93.2095	0	100	93	48	136
3-Nitroaniline	1	58.4903	0	100	58	24	169
2,4-Dinitrophenol	1	104.6535	0	100	105	42	160
Dibenzofuran	1	95.0793	0	100	95	50	147
2,4-Dinitrotoluene	1	103.4465	0	100	103	55	136
4-Nitrophenol	1	73.9935	0	100	74	27	141
2,3,4,6-Tetrachlorophenol	1	100.9673	0	100	101	59	141
Fluorene	1	96.7576	0	100	97	53	132
4-Chlorophenyl-phenylether	1	93.9561	0	100	94	58	133
Diethylphthalate	1	99.7574	0	100	100	25	152
4-Nitroaniline	1	97.0034	0	100	97	33	166
Atrazine	1	85.4018	0	100	85	21	152
4,6-Dinitro-2-methylphenol	1	107.4372	0	100	107	58	158
n-Nitrosodiphenylamine	1	83.6061	0	100	84	44	112

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: WMB119858

Method: 8270E | Matrix: Aqueous | Units: ug/L | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,2-Diphenylhydrazine	1	95.9753	0	100	96	53	140
4-Bromophenyl-phenylether	**1**	**98.4259**	**0**	**100**	**98**	**60**	**139**
Hexachlorobenzene	**1**	**98.06**	**0**	**100**	**98**	**58**	**132**
N-Octadecane	1	96.776	0	100	97	53	157
Pentachlorophenol	**1**	**108.4443**	**0**	**100**	**108**	**64**	**176**
Phenanthrene	**1**	**101.5881**	**0**	**100**	**102**	**56**	**136**
Anthracene	**1**	**94.313**	**0**	**100**	**94**	**59**	**131**
Carbazole	**1**	**98.1698**	**0**	**100**	**98**	**53**	**149**
Di-n-butylphthalate	**1**	**110.0854**	**0**	**100**	**110**	**60**	**140**
Fluoranthene	**1**	**103.1484**	**0**	**100**	**103**	**61**	**139**
Pyrene	**1**	**101.3391**	**0**	**100**	**101**	**58**	**133**
Benzidine	1	0	0	100	0*	10	96
Butylbenzylphthalate	**1**	**116.8531**	**0**	**100**	**117**	**61**	**145**
3,3'-Dichlorobenzidine	**1**	**55.8684**	**0**	**100**	**56**	**10**	**145**
Benzo[a]anthracene	**1**	**97.6274**	**0**	**100**	**98**	**56**	**122**
Chrysene	**1**	**99.0633**	**0**	**100**	**99**	**58**	**136**
bis(2-Ethylhexyl)phthalate	**1**	**107.8351**	**0**	**100**	**108**	**59**	**145**
Di-n-octylphthalate	**1**	**117.4725**	**0**	**100**	**117**	**57**	**147**
Benzo[b]fluoranthene	**1**	**100.272**	**0**	**100**	**100**	**58**	**146**
Benzo[k]fluoranthene	**1**	**93.1428**	**0**	**100**	**93**	**57**	**140**
Benzo[a]pyrene	**1**	**98.4123**	**0**	**100**	**98**	**55**	**135**
Indeno[1,2,3-cd]pyrene	**1**	**93.5565**	**0**	**100**	**94**	**59**	**147**
Dibenzo[a,h]anthracene	**1**	**97.957**	**0**	**100**	**98**	**58**	**142**
Benzo[g,h,i]perylene	**1**	**97.5865**	**0**	**100**	**98**	**57**	**138**

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: WMB119858

	Data File	Sample ID:	Analysis Date
Spike or Dup:	10M104527.D	AD48589-016(MSD)	12/11/2024 6:41:00 PM
Non Spike(If applicable):	10M104525.D	AD48589-016	12/11/2024 5:57:00 PM
Inst Blank(If applicable):			

Method: 8270E Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,4-Dioxane	1	38.0208	0	100	38	16	112
Pyridine	1	34.0256	0	100	34	10	131
N-Nitrosodimethylamine	1	48.0633	0	100	48	24	118
Benzaldehyde	1	53.7515	0	100	54	10	103
Aniline	1	31.5489	0	100	32	10	149
Pentachloroethane	1	47.6159	0	100	48	10	155
bis(2-Chloroethyl)ether	1	66.6285	0	100	67	42	118
Phenol	1	42.6242	0	100	43	19	121
2-Chlorophenol	1	49.1062	0	100	49*	50	123
N-Decane	1	47.9789	0	100	48	25	129
1,3-Dichlorobenzene	1	59.8618	0	100	60	13	126
1,4-Dichlorobenzene	1	61.2532	0	100	61	13	133
1,2-Dichlorobenzene	1	62.2117	0	100	62	16	129
Benzyl alcohol	1	67.7661	0	100	68	33	150
bis(2-chloroisopropyl)ether	1	56.8972	0	100	57	28	119
2-Methylphenol	1	64.9591	0	100	65	50	128
Acetophenone	1	67.0892	0	100	67	47	132
Hexachloroethane	1	62.0973	0	100	62	19	132
N-Nitroso-di-n-propylamine	1	73.7641	0	100	74	46	127
3&4-Methylphenol	1	62.4609	0	100	62	53	129
Nitrobenzene	1	71.1601	0	100	71	45	134
Isophorone	1	67.5755	0	100	68	48	121
2-Nitrophenol	1	22.2364	0	100	22*	55	143
2,4-Dimethylphenol	1	71.3605	0	100	71	46	134
Benzoic Acid	1	10.5819	0	100	11*	14	216
bis(2-Chloroethoxy)methane	1	70.7522	0	100	71	47	131
2,4-Dichlorophenol	1	57.6414	0	100	58*	59	134
1,2,4-Trichlorobenzene	1	69.62	0	100	70	32	135
Naphthalene	1	75.4198	9.4909	100	66	12	146
4-Chloroaniline	1	40.7877	0	100	41	10	161
Hexachlorobutadiene	1	65.2576	0	100	65	24	136
Caprolactam	1	49.08	0	100	49	10	155
4-Chloro-3-methylphenol	1	65.9546	0	100	66	62	142
2-Methylnaphthalene	1	72.3451	0	100	72	34	156
1-Methylnaphthalene	1	76.1544	0	100	76	44	149
1,1'-Biphenyl	1	69.6577	0	100	70	51	137
1,2,4,5-Tetrachlorobenzene	1	67.4238	0	100	67	52	131
Hexachlorocyclopentadiene	1	41.3119	0	100	41	24	137
2,4,6-Trichlorophenol	1	54.7227	0	100	55*	66	142
2,4,5-Trichlorophenol	1	48.5934	0	100	49*	65	143
2-Chloronaphthalene	1	77.0561	0	100	77	51	129
1,4-Dimethylnaphthalene	1	71.3627	0	100	71	50	137
Diphenyl Ether	1	70.0832	0	100	70	55	134
2-Nitroaniline	1	82.0395	0	100	82	45	165
Acenaphthylene	1	79.1541	0	100	79	46	130
Dimethylphthalate	1	76.6129	0	100	77	10	177
2,6-Dinitrotoluene	1	80.4223	0	100	80	55	135
Acenaphthene	1	75.4714	0	100	75	48	136
3-Nitroaniline	1	49.2506	0	100	49	24	169
2,4-Dinitrophenol	1	0	0	100	0*	42	160
Dibenzofuran	1	77.062	0	100	77	50	147
2,4-Dinitrotoluene	1	82.8494	0	100	83	55	136
4-Nitrophenol	1	14.3695	0	100	14*	27	141
2,3,4,6-Tetrachlorophenol	1	52.2869	0	100	52*	59	141
Fluorene	1	79.3872	0	100	79	53	132
4-Chlorophenyl-phenylether	1	77.0066	0	100	77	58	133
Diethylphthalate	1	81.2582	0	100	81	25	152
4-Nitroaniline	1	80.5354	0	100	81	33	166
Atrazine	1	70.7016	0	100	71	21	152
4,6-Dinitro-2-methylphenol	1	0	0	100	0*	58	158
n-Nitrosodiphenylamine	1	66.8806	0	100	67	44	112

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: WMB119858

Method: 8270E | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,2-Diphenylhydrazine	1	77.3812	0	100	77	53	140
4-Bromophenyl-phenylether	**1**	**79.7738**	**0**	**100**	**80**	**60**	**139**
Hexachlorobenzene	**1**	**78.7784**	**0**	**100**	**79**	**58**	**132**
N-Octadecane	1	77.6394	0	100	78	53	157
Pentachlorophenol	**1**	**37.1403**	**0**	**100**	**37***	**64**	**176**
Phenanthrene	**1**	**81.2158**	**0**	**100**	**81**	**56**	**136**
Anthracene	**1**	**76.3596**	**0**	**100**	**76**	**59**	**131**
Carbazole	**1**	**78.8229**	**0**	**100**	**79**	**58**	**136**
Di-n-butylphthalate	**1**	**88.4565**	**0**	**100**	**88**	**60**	**140**
Fluoranthene	**1**	**83.4174**	**0**	**100**	**83**	**61**	**139**
Pyrene	**1**	**82.7044**	**0**	**100**	**83**	**58**	**133**
Benzidine	1	4.7029	0	100	4.7*	10	96
Butylbenzylphthalate	**1**	**93.0031**	**0**	**100**	**93**	**61**	**145**
3,3'-Dichlorobenzidine	**1**	**55.2082**	**0**	**100**	**55**	**10**	**145**
Benzo[a]anthracene	**1**	**78.906**	**0**	**100**	**79**	**56**	**122**
Chrysene	**1**	**80.3082**	**0**	**100**	**80**	**58**	**136**
bis(2-Ethylhexyl)phthalate	**1**	**88.31**	**0**	**100**	**88**	**59**	**145**
Di-n-octylphthalate	**1**	**95.6518**	**0**	**100**	**96**	**57**	**147**
Benzo[b]fluoranthene	**1**	**83.3306**	**0**	**100**	**83**	**58**	**146**
Benzo[k]fluoranthene	**1**	**75.6293**	**0**	**100**	**76**	**57**	**140**
Benzo[a]pyrene	**1**	**79.6671**	**0**	**100**	**80**	**55**	**135**
Indeno[1,2,3-cd]pyrene	**1**	**73.6802**	**0**	**100**	**74**	**59**	**147**
Dibenzo[a,h]anthracene	**1**	**78.5205**	**0**	**100**	**79**	**58**	**142**
Benzo[g,h,i]perylene	**1**	**79.1738**	**0**	**100**	**79**	**57**	**138**

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch:WMB119858

	Data File	Sample ID:	Analysis Date
Spike or Dup:	10M104527.D	AD48589-016(MSD)	12/11/2024 6:41:00 PM
Duplicate(If applicable):	10M104526.D	AD48589-016(MS)	12/11/2024 6:19:00 PM
Inst Blank(If applicable):			

Method: 8270E Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
1,4-Dioxane	1	38.0208	46.6647	20	58
Pyridine	1	34.0256	47.1383	32	143
N-Nitrosodimethylamine	1	48.0633	59.537	21	40
Benzaldehyde	1	53.7515	59.8783	11	92
Aniline	1	31.5489	40.1173	24	138
Pentachloroethane	1	47.6159	65.9128	32	79
bis(2-Chloroethyl)ether	1	66.6285	80.572	19	42
Phenol	1	42.6242	62.5958	38	86
2-Chlorophenol	1	49.1062	77.5792	45	47
N-Decane	1	47.9789	57.783	19	59
1,3-Dichlorobenzene	1	59.8618	71.8716	18	90
1,4-Dichlorobenzene	1	61.2532	74.4636	19	88
1,2-Dichlorobenzene	1	62.2117	75.9321	20	74
Benzyl alcohol	1	67.7661	80.2894	17	35
bis(2-chloroisopropyl)ether	1	56.8972	67.482	17	48
2-Methylphenol	1	64.9591	86.6312	29	34
Acetophenone	1	67.0892	80.4058	18	30
Hexachloroethane	1	62.0973	76.4758	21	88
N-Nitroso-di-n-propylamine	1	73.7641	86.7111	16	56
3&4-Methylphenol	1	62.4609	86.0738	32*	28
Nitrobenzene	1	71.1601	88.0194	21	38
Isophorone	1	67.5755	82.6985	20	35
2-Nitrophenol	1	22.2364	94.6659	124*	41
2,4-Dimethylphenol	1	71.3605	92.9874	26	33
Benzoic Acid	1	10.5819	87.9087	157*	82
bis(2-Chloroethoxy)methane	1	70.7522	86.9817	21	44
2,4-Dichlorophenol	1	57.6414	93.4722	47*	37
1,2,4-Trichlorobenzene	1	69.62	85.0784	20	50
Naphthalene	1	75.4198	92.7936	21	47
4-Chloroaniline	1	40.7877	54.2593	28	85
Hexachlorobutadiene	1	65.2576	81.3167	22	58
Caprolactam	1	49.08	63.3792	25	33
4-Chloro-3-methylphenol	1	65.9546	93.4272	34*	28
2-Methylnaphthalene	1	72.3451	86.4419	18	38
1-Methylnaphthalene	1	76.1544	93.4919	20	32
1,1'-Biphenyl	1	69.6577	82.6733	17	31
1,2,4,5-Tetrachlorobenzene	1	67.4238	84.1644	22	32
Hexachlorocyclopentadiene	1	41.3119	73.1757	56*	48
2,4,6-Trichlorophenol	1	54.7227	97.9667	57	62
2,4,5-Trichlorophenol	1	48.5934	92.9714	63*	35
2-Chloronaphthalene	1	77.0561	93.7638	20	35
1,4-Dimethylnaphthalene	1	71.3627	90.2154	23	31
Diphenyl Ether	1	70.0832	86.6831	21	32
2-Nitroaniline	1	82.0395	100.7162	20	37
Acenaphthylene	1	79.1541	97.6637	21	41
Dimethylphthalate	1	76.6129	94.2737	21	108
2,6-Dinitrotoluene	1	80.4223	100.1071	22	35
Acenaphthene	1	75.4714	93.2095	21	35
3-Nitroaniline	1	49.2506	58.4903	17	64
2,4-Dinitrophenol	1	0	104.6535	200*	63
Dibenzofuran	1	77.062	95.0793	21	36
2,4-Dinitrotoluene	1	82.8494	103.4465	22	35
4-Nitrophenol	1	14.3695	73.9935	135*	33
2,3,4,6-Tetrachlorophenol	1	52.2869	100.9673	64*	36
Fluorene	1	79.3872	96.7576	20	34
4-Chlorophenyl-phenylether	1	77.0066	93.9561	20	33
Diethylphthalate	1	81.2582	99.7574	20	37
4-Nitroaniline	1	80.5354	97.0034	19	35
Atrazine	1	70.7016	85.4018	19	47
4,6-Dinitro-2-methylphenol	1	0	107.4372	200*	46
n-Nitrosodiphenylamine	1	66.8806	83.6061	22	37

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits

QC Batch: WMB119858

Method: 8270E Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
1,2-Diphenylhydrazine	1	77.3812	95.9753	21	36
4-Bromophenyl-phenylether	**1**	**79.7738**	**98.4259**	**21**	**34**
Hexachlorobenzene	**1**	**78.7784**	**98.06**	**22**	**34**
N-Octadecane	1	77.6394	96.776	22	31
Pentachlorophenol	**1**	**37.1403**	**108.4443**	**98***	**32**
Phenanthrene	**1**	**81.2158**	**101.5881**	**22**	**33**
Anthracene	**1**	**76.3596**	**94.313**	**21**	**34**
Carbazole	**1**	**78.8229**	**98.1698**	**22**	**32**
Di-n-butylphthalate	**1**	**88.4565**	**110.0854**	**22**	**34**
Fluoranthene	**1**	**83.4174**	**103.1484**	**21**	**34**
Pyrene	**1**	**82.7044**	**101.3391**	**20**	**33**
Benzidine	1	4.7029	0	200	236
Butylbenzylphthalate	**1**	**93.0031**	**116.8531**	**23**	**34**
3,3'-Dichlorobenzidine	**1**	**55.2082**	**55.8684**	**1.2**	**126**
Benzo[a]anthracene	**1**	**78.906**	**97.6274**	**21**	**33**
Chrysene	**1**	**80.3082**	**99.0633**	**21**	**32**
bis(2-Ethylhexyl)phthalate	**1**	**88.31**	**107.8351**	**20**	**33**
Di-n-octylphthalate	**1**	**95.6518**	**117.4725**	**20**	**36**
Benzo[b]fluoranthene	**1**	**83.3306**	**100.272**	**18**	**36**
Benzo[k]fluoranthene	**1**	**75.6293**	**93.1428**	**21***	**20**
Benzo[a]pyrene	**1**	**79.6671**	**98.4123**	**21**	**35**
Indeno[1,2,3-cd]pyrene	**1**	**73.6802**	**93.5565**	**24**	**35**
Dibenzo[a,h]anthracene	**1**	**78.5205**	**97.957**	**22**	**35**
Benzo[g,h,i]perylene	**1**	**79.1738**	**97.5865**	**21**	**35**

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB120227

Data File | Sample ID: | Analysis Date
Spike or Dup: 7M140362.D | SMB120227(MS) | 12/15/2024 1:27:00 PM
Non Spike(If applicable):
Inst Blank(If applicable):

Method: 8270E | Matrix: Soil | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,4-Dioxane	1	19.95	0	50	40	10	60
Pyridine	1	45.9119	0	50	92	13	107
N-Nitrosodimethylamine	1	36.8278	0	50	74	30	100
Benzaldehyde	1	31.6603	0	50	63	10	121
Aniline	1	16.9066	0	50	34	10	96
Pentachloroethane	1	38.8272	0	50	78	19	125
bis(2-Chloroethyl)ether	1	44.3653	0	50	89	28	120
Phenol	1	88.5402	0	100	89	32	119
2-Chlorophenol	1	86.854	0	100	87	33	124
N-Decane	1	31.6287	0	50	63	10	142
1,3-Dichlorobenzene	1	40.9951	0	50	82	32	105
1,4-Dichlorobenzene	1	43.1809	0	50	86	37	100
1,2-Dichlorobenzene	1	45.1308	0	50	90	29	108
Benzyl alcohol	1	43.8248	0	50	88	37	119
bis(2-chloroisopropyl)ether	1	39.9523	0	50	80	20	110
2-Methylphenol	1	89.8756	0	100	90	38	114
Acetophenone	1	42.7967	0	50	86	11	152
Hexachloroethane	1	42.918	0	50	86	10	130
N-Nitroso-di-n-propylamine	1	44.653	0	50	89	10	151
3&4-Methylphenol	1	88.8163	0	100	89	36	127
Nitrobenzene	1	46.6898	0	50	93	20	142
Isophorone	1	40.6965	0	50	81	10	164
2-Nitrophenol	1	90.9635	0	100	91	16	146
2,4-Dimethylphenol	1	81.2074	0	100	81	15	150
Benzoic Acid	1	76.4807	0	100	76	10	182
bis(2-Chloroethoxy)methane	1	43.5893	0	50	87	26	131
2,4-Dichlorophenol	1	88.5871	0	100	89	20	146
1,2,4-Trichlorobenzene	1	45.4954	0	50	91	33	121
Naphthalene	1	45.6827	0	50	91	10	153
4-Chloroaniline	1	21.8274	0	50	44	10	112
Hexachlorobutadiene	1	42.7139	0	50	85	32	113
Caprolactam	1	39.1701	0	50	78	10	174
4-Chloro-3-methylphenol	1	87.5566	0	100	88	32	138
2-Methylnaphthalene	1	44.665	0	50	89	11	153
1-Methylnaphthalene	1	45.8454	0	50	92	10	180
1,1'-Biphenyl	1	39.805	0	50	80	18	148
1,2,4,5-Tetrachlorobenzene	1	42.1992	0	50	84	31	124
Hexachlorocyclopentadiene	1	43.9798	0	50	88	10	103
2,4,6-Trichlorophenol	1	91.678	0	100	92	32	137
2,4,5-Trichlorophenol	1	88.0301	0	100	88	36	131
2-Chloronaphthalene	1	48.4367	0	50	97	41	115
1,4-Dimethylnaphthalene	1	43.7458	0	50	87	10	205
Diphenyl Ether	1	41.7754	0	50	84	31	127
2-Nitroaniline	1	50.4329	0	50	101	32	142
Acenaphthylene	1	49.6014	0	50	99	26	133
Dimethylphthalate	1	44.8727	0	50	90	40	120
2,6-Dinitrotoluene	1	47.726	0	50	95	18	148
Acenaphthene	1	46.3746	0	50	93	11	158
3-Nitroaniline	1	31.5963	0	50	63	14	137
2,4-Dinitrophenol	1	114.1885	0	100	114	10	128
Dibenzofuran	1	46.7758	0	50	94	10	170
2,4-Dinitrotoluene	1	47.9892	0	50	96	10	173
4-Nitrophenol	1	102.5157	0	100	103	23	140
2,3,4,6-Tetrachlorophenol	1	91.9187	0	100	92	26	127
Fluorene	1	47.4632	0	50	95	14	152
4-Chlorophenyl-phenylether	1	46.0494	0	50	92	40	121
Diethylphthalate	1	47.7954	0	50	96	40	119
4-Nitroaniline	1	45.4213	0	50	91	31	125
Atrazine	1	42.7459	0	50	85	12	164
4,6-Dinitro-2-methylphenol	1	117.5152	0	100	118	10	146
n-Nitrosodiphenylamine	1	40.2241	0	50	80	10	172

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB120227

Method: 8270E | Matrix: Soil | Units: mg/Kg | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,2-Diphenylhydrazine	1	49.8806	0	50	100	24	144
4-Bromophenyl-phenylether	**1**	**46.6455**	**0**	**50**	**93**	**26**	**148**
Hexachlorobenzene	**1**	**48.0974**	**0**	**50**	**96**	**36**	**124**
N-Octadecane	1	45.1394	0	50	90	10	186
Pentachlorophenol	**1**	**97.959**	**0**	**100**	**98**	**21**	**148**
Phenanthrene	**1**	**49.3195**	**0**	**50**	**99**	**10**	**175**
Anthracene	**1**	**44.7603**	**0**	**50**	**90**	**21**	**148**
Carbazole	**1**	**44.061**	**0**	**50**	**88**	**36**	**137**
Di-n-butylphthalate	**1**	**50.8893**	**0**	**50**	**102**	**41**	**134**
Fluoranthene	**1**	**49.8358**	**0**	**50**	**100**	**10**	**186**
Pyrene	**1**	**46.4273**	**0**	**50**	**93**	**10**	**196**
Benzidine	1	0	0	50	0*	10	77
Butylbenzylphthalate	**1**	**47.8835**	**0**	**50**	**96**	**40**	**139**
3,3'-Dichlorobenzidine	**1**	**22.1757**	**0**	**50**	**44**	**10**	**110**
Benzo[a]anthracene	**1**	**46.4634**	**0**	**50**	**93**	**13**	**142**
Chrysene	**1**	**42.9786**	**0**	**50**	**86**	**11**	**161**
bis(2-Ethylhexyl)phthalate	**1**	**49.6347**	**0**	**50**	**99**	**34**	**156**
Di-n-octylphthalate	**1**	**50.6344**	**0**	**50**	**101**	**28**	**158**
Benzo[b]fluoranthene	**1**	**50.641**	**0**	**50**	**101**	**20**	**156**
Benzo[k]fluoranthene	**1**	**48.4897**	**0**	**50**	**97**	**15**	**156**
Benzo[a]pyrene	**1**	**47.0327**	**0**	**50**	**94**	**14**	**144**
Indeno[1,2,3-cd]pyrene	**1**	**46.882**	**0**	**50**	**94**	**24**	**142**
Dibenzo[a,h]anthracene	**1**	**50.5423**	**0**	**50**	**101**	**29**	**132**
Benzo[g,h,i]perylene	**1**	**51.7801**	**0**	**50**	**104**	**12**	**142**

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB120227

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M131203.D	AD48578-003(5X)(MS)	12/15/2024 8:16:00 PM
Non Spike(If applicable):	9M131226.D	AD48578-003(5X)	12/16/2024 1:31:00 PM
Inst Blank(If applicable):			

Method: 8270E Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,4-Dioxane	1	21.191	0	50	42	10	60
Pyridine	1	35.482	0	50	71	13	107
N-Nitrosodimethylamine	1	31.309	0	50	63	30	100
Benzaldehyde	1	41.8395	0	50	84	10	121
Aniline	1	27.0585	0	50	54	10	96
Pentachloroethane	1	37.8525	0	50	76	19	125
bis(2-Chloroethyl)ether	1	45.183	0	50	90	28	120
Phenol	1	96.587	0	100	97	32	119
2-Chlorophenol	1	111.8505	0	100	112	33	124
N-Decane	1	35.1285	0	50	70	10	142
1,3-Dichlorobenzene	1	53.004	0	50	106*	32	105
1,4-Dichlorobenzene	1	41.829	0	50	84	37	100
1,2-Dichlorobenzene	1	43.4205	0	50	87	29	108
Benzyl alcohol	1	41.652	0	50	83	37	119
bis(2-chloroisopropyl)ether	1	27.04	0	50	54	20	110
2-Methylphenol	1	84.4	0	100	84	38	114
Acetophenone	1	39.1735	0	50	78	11	152
Hexachloroethane	1	23.8885	0	50	48	10	130
N-Nitroso-di-n-propylamine	1	34.4845	0	50	69	10	151
3&4-Methylphenol	1	83.1295	0	100	83	36	127
Nitrobenzene	1	39.5955	0	50	79	20	142
Isophorone	1	35.3805	0	50	71	10	164
2-Nitrophenol	1	81.907	0	100	82	16	146
2,4-Dimethylphenol	1	91.8655	0	100	92	15	150
Benzoic Acid	1	0	0	100	0*	10	182
bis(2-Chloroethoxy)methane	1	39.021	0	50	78	26	131
2,4-Dichlorophenol	1	110.315	0	100	110	20	146
1,2,4-Trichlorobenzene	1	51.1975	0	50	102	33	121
Naphthalene	1	43.6025	0	50	87	10	153
4-Chloroaniline	1	32.3485	0	50	65	10	112
Hexachlorobutadiene	1	59.8745	0	50	120*	32	113
Caprolactam	1	46.129	0	50	92	10	174
4-Chloro-3-methylphenol	1	102.618	0	100	103	32	138
2-Methylnaphthalene	1	47.4755	0	50	95	11	153
1-Methylnaphthalene	1	51.8655	0	50	104	10	180
1,1'-Biphenyl	1	49.7835	0	50	100	18	148
1,2,4,5-Tetrachlorobenzene	1	48.578	0	50	97	31	124
Hexachlorocyclopentadiene	1	0	0	50	0*	10	103
2,4,6-Trichlorophenol	1	101.675	0	100	102	32	137
2,4,5-Trichlorophenol	1	102.0355	0	100	102	36	131
2-Chloronaphthalene	1	47.177	0	50	94	41	115
1,4-Dimethylnaphthalene	1	44.6145	0	50	89	10	205
Diphenyl Ether	1	44.3475	0	50	89	31	127
2-Nitroaniline	1	32.8305	0	50	66	32	142
Acenaphthylene	1	48.079	0	50	96	26	133
Dimethylphthalate	1	47.787	0	50	96	40	120
2,6-Dinitrotoluene	1	42.9895	0	50	86	18	148
Acenaphthene	1	43.815	0	50	88	11	158
3-Nitroaniline	1	41.225	0	50	82	14	137
2,4-Dinitrophenol	1	0	0	100	0*	10	128
Dibenzofuran	1	51.2325	0	50	102	10	170
2,4-Dinitrotoluene	1	45.145	0	50	90	10	173
4-Nitrophenol	1	65.014	0	100	65	23	140
2,3,4,6-Tetrachlorophenol	1	109.214	0	100	109	26	127
Fluorene	1	46.341	0	50	93	14	152
4-Chlorophenyl-phenylether	1	49.5735	0	50	99	40	121
Diethylphthalate	1	47.3135	0	50	95	40	119
4-Nitroaniline	1	47.7445	0	50	95	31	125
Atrazine	1	53.0085	0	50	106	12	164
4,6-Dinitro-2-methylphenol	1	0	0	100	0*	10	146
n-Nitrosodiphenylamine	1	41.7245	0	50	83	10	172

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits

Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB120227

Method: 8270E Matrix: Soil Units: mg/Kg QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,2-Diphenylhydrazine	1	33.3585	0	50	67	24	144
4-Bromophenyl-phenylether	**1**	**58.896**	**0**	**50**	**118**	**26**	**148**
Hexachlorobenzene	**1**	**65.7925**	**0**	**50**	**132***	**36**	**124**
N-Octadecane	1	35.0625	0	50	70	10	186
Pentachlorophenol	**1**	**102.6415**	**0**	**100**	**103**	**21**	**148**
Phenanthrene	**1**	**49.416**	**0**	**50**	**99**	**10**	**175**
Anthracene	**1**	**47.199**	**0**	**50**	**94**	**21**	**148**
Carbazole	**1**	**46.553**	**0**	**50**	**93**	**36**	**137**
Di-n-butylphthalate	**1**	**46.9635**	**0**	**50**	**94**	**41**	**134**
Fluoranthene	**1**	**55.886**	**0**	**50**	**112**	**10**	**186**
Pyrene	**1**	**50.8205**	**0**	**50**	**102**	**10**	**196**
Benzidine	1	0	0	50	0*	10	77
Butylbenzylphthalate	**1**	**49.5945**	**0**	**50**	**99**	**40**	**139**
3,3'-Dichlorobenzidine	**1**	**44.486**	**0**	**50**	**89**	**10**	**110**
Benzo[a]anthracene	**1**	**48.8955**	**0**	**50**	**98**	**13**	**142**
Chrysene	**1**	**44.302**	**0**	**50**	**89**	**11**	**161**
bis(2-Ethylhexyl)phthalate	**1**	**46.2465**	**0**	**50**	**92**	**34**	**156**
Di-n-octylphthalate	**1**	**45.322**	**0**	**50**	**91**	**28**	**158**
Benzo[b]fluoranthene	**1**	**52.905**	**0**	**50**	**106**	**20**	**156**
Benzo[k]fluoranthene	**1**	**43.2635**	**0**	**50**	**87**	**15**	**156**
Benzo[a]pyrene	**1**	**45.894**	**0**	**50**	**92**	**14**	**144**
Indeno[1,2,3-cd]pyrene	**1**	**51.375**	**0**	**50**	**103**	**24**	**142**
Dibenzo[a,h]anthracene	**1**	**48.366**	**0**	**50**	**97**	**29**	**132**
Benzo[g,h,i]perylene	**1**	**53.729**	**0**	**50**	**107**	**12**	**142**

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB120227

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M131204.D	AD48578-003(5X)(MSD)	12/15/2024 8:38:00 PM
Non Spike(If applicable):	9M131226.D	AD48578-003(5X)	12/16/2024 1:31:00 PM
Inst Blank(If applicable):			

Method: 8270E Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,4-Dioxane	1	21.864	0	50	44	10	60
Pyridine	1	41.096	0	50	82	13	107
N-Nitrosodimethylamine	1	32.16	0	50	64	30	100
Benzaldehyde	1	46.063	0	50	92	10	121
Aniline	1	28.94	0	50	58	10	96
Pentachloroethane	1	43.371	0	50	87	19	125
bis(2-Chloroethyl)ether	1	0	0	50	0*	28	120
Phenol	1	102.792	0	100	103	32	119
2-Chlorophenol	1	120.677	0	100	121	33	124
N-Decane	1	35.3515	0	50	71	10	142
1,3-Dichlorobenzene	1	57.163	0	50	114*	32	105
1,4-Dichlorobenzene	1	44.3755	0	50	89	37	100
1,2-Dichlorobenzene	1	46.5425	0	50	93	29	208
Benzyl alcohol	1	44.962	0	50	90	37	119
bis(2-chloroisopropyl)ether	1	27.4675	0	50	55	20	110
2-Methylphenol	1	91.061	0	100	91	38	114
Acetophenone	1	40.136	0	50	80	11	152
Hexachloroethane	1	27.2235	0	50	54	10	130
N-Nitroso-di-n-propylamine	1	36.3095	0	50	73	10	151
3&4-Methylphenol	1	88.814	0	100	89	36	127
Nitrobenzene	1	40.6665	0	50	81	20	142
Isophorone	1	36.585	0	50	73	10	164
2-Nitrophenol	1	89.6145	0	100	90	16	146
2,4-Dimethylphenol	1	98.352	0	100	98	15	150
Benzoic Acid	1	0	0	100	0*	10	182
bis(2-Chloroethoxy)methane	1	41.185	0	50	82	26	131
2,4-Dichlorophenol	1	111.2185	0	100	111	20	146
1,2,4-Trichlorobenzene	1	54.6785	0	50	109	33	121
Naphthalene	1	47.0565	0	50	94	10	153
4-Chloroaniline	1	33.93	0	50	68	10	112
Hexachlorobutadiene	1	61.061	0	50	122*	32	113
Caprolactam	1	45.0905	0	50	90	10	174
4-Chloro-3-methylphenol	1	101.705	0	100	102	32	138
2-Methylnaphthalene	1	49.7495	0	50	99	11	153
1-Methylnaphthalene	1	52.752	0	50	106	10	180
1,1'-Biphenyl	1	52.968	0	50	106	18	148
1,2,4,5-Tetrachlorobenzene	1	50.5015	0	50	101	31	124
Hexachlorocyclopentadiene	1	0	0	50	0*	10	103
2,4,6-Trichlorophenol	1	106.146	0	100	106	32	137
2,4,5-Trichlorophenol	1	102.892	0	100	103	36	131
2-Chloronaphthalene	1	49.5845	0	50	99	41	115
1,4-Dimethylnaphthalene	1	46.8115	0	50	94	10	205
Diphenyl Ether	1	47.1325	0	50	94	31	127
2-Nitroaniline	1	34.6215	0	50	69	32	142
Acenaphthylene	1	49.9085	0	50	100	26	133
Dimethylphthalate	1	50.8345	0	50	102	40	120
2,6-Dinitrotoluene	1	45.5625	0	50	91	18	148
Acenaphthene	1	47.328	0	50	95	11	158
3-Nitroaniline	1	41.0825	0	50	82	14	137
2,4-Dinitrophenol	1	0	0	100	0*	10	128
Dibenzofuran	1	53.031	0	50	106	10	170
2,4-Dinitrotoluene	1	47.669	0	50	95	10	173
4-Nitrophenol	1	73.871	0	100	74	23	140
2,3,4,6-Tetrachlorophenol	1	119.796	0	100	120	26	126
Fluorene	1	49.7315	0	50	99	14	152
4-Chlorophenyl-phenylether	1	53.309	0	50	107	40	121
Diethylphthalate	1	50.211	0	50	100	40	119
4-Nitroaniline	1	48.77	0	50	98	31	125
Atrazine	1	55.094	0	50	110	12	164
4,6-Dinitro-2-methylphenol	1	0	0	100	0*	10	146
n-Nitrosodiphenylamine	1	42.3735	0	50	85	10	172

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: SMB120227

Method: 8270E Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
1,2-Diphenylhydrazine	1	32.874	0	50	66	24	144
4-Bromophenyl-phenylether	**1**	**61.761**	**0**	**50**	**124**	**26**	**148**
Hexachlorobenzene	**1**	**67.247**	**0**	**50**	**134***	**36**	**124**
N-Octadecane	1	34.799	0	50	70	10	186
Pentachlorophenol	**1**	**105.3785**	**0**	**100**	**105**	**21**	**148**
Phenanthrene	**1**	**51.208**	**0**	**50**	**102**	**10**	**175**
Anthracene	**1**	**48.173**	**0**	**50**	**96**	**21**	**148**
Carbazole	**1**	**48.3275**	**0**	**50**	**97**	**36**	**137**
Di-n-butylphthalate	**1**	**48.97**	**0**	**50**	**98**	**41**	**134**
Fluoranthene	**1**	**57.983**	**0**	**50**	**116**	**10**	**186**
Pyrene	**1**	**52.3655**	**0**	**50**	**105**	**10**	**196**
Benzidine	1	0	0	50	0*	10	77
Butylbenzylphthalate	**1**	**49.7795**	**0**	**50**	**100**	**40**	**139**
3,3'-Dichlorobenzidine	**1**	**46.553**	**0**	**50**	**93**	**10**	**110**
Benzo[a]anthracene	**1**	**49.491**	**0**	**50**	**99**	**13**	**142**
Chrysene	**1**	**44.9145**	**0**	**50**	**90**	**11**	**161**
bis(2-Ethylhexyl)phthalate	**1**	**43.0355**	**0**	**50**	**86**	**34**	**156**
Di-n-octylphthalate	**1**	**47.1185**	**0**	**50**	**94**	**28**	**158**
Benzo[b]fluoranthene	**1**	**51.6955**	**0**	**50**	**103**	**20**	**156**
Benzo[k]fluoranthene	**1**	**46.3645**	**0**	**50**	**93**	**15**	**156**
Benzo[a]pyrene	**1**	**49.781**	**0**	**50**	**100**	**14**	**144**
Indeno[1,2,3-cd]pyrene	**1**	**53.631**	**0**	**50**	**107**	**24**	**142**
Dibenzo[a,h]anthracene	**1**	**50.495**	**0**	**50**	**101**	**29**	**132**
Benzo[g,h,i]perylene	**1**	**52.0085**	**0**	**50**	**104**	**12**	**142**

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: SMB120227

	Data File	Sample ID:	Analysis Date
Spike or Dup:	9M131204.D	AD48578-003(5X)(MSD)	12/15/2024 8:38:00 PM
Duplicate(If applicable):	9M131203.D	AD48578-003(5X)(MS)	12/15/2024 8:16:00 PM
Inst Blank(If applicable):			

Method: 8270E Matrix: Soil Units: mg/Kg QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
1,4-Dioxane	**1**	**21.864**	**21.191**	**3.1**	**62**
Pyridine	1	41.096	35.482	15	78
N-Nitrosodimethylamine	1	32.16	31.309	2.7	44
Benzaldehyde	**1**	**46.063**	**41.8395**	**9.6**	**44**
Aniline	1	28.94	27.0585	6.7	90
Pentachloroethane	1	43.371	37.8525	14	54
bis(2-Chloroethyl)ether	**1**	**0**	**45.183**	**200***	**47**
Phenol	**1**	**102.792**	**96.587**	**6.2**	**46**
2-Chlorophenol	**1**	**120.677**	**111.8505**	**7.6**	**47**
N-Decane	1	35.3515	35.1285	0.63	62
1,3-Dichlorobenzene	1	57.163	53.004	7.6	45
1,4-Dichlorobenzene	1	44.3755	41.829	5.9	40
1,2-Dichlorobenzene	1	46.5425	43.4205	6.9	40
Benzyl alcohol	1	44.962	41.652	7.6	49
bis(2-chloroisopropyl)ether	**1**	**27.4675**	**27.04**	**1.6**	**39**
2-Methylphenol	**1**	**91.061**	**84.4**	**7.6**	**46**
Acetophenone	**1**	**40.136**	**39.1735**	**2.4**	**50**
Hexachloroethane	**1**	**27.2235**	**23.8885**	**13**	**66**
N-Nitroso-di-n-propylamine	**1**	**36.3095**	**34.4845**	**5.2**	**47**
3&4-Methylphenol	**1**	**88.814**	**83.1295**	**6.6**	**49**
Nitrobenzene	**1**	**40.6665**	**39.5955**	**2.7**	**48**
Isophorone	**1**	**36.585**	**35.3805**	**3.3**	**47**
2-Nitrophenol	**1**	**89.6145**	**81.907**	**9**	**52**
2,4-Dimethylphenol	**1**	**98.352**	**91.8655**	**6.8**	**48**
Benzoic Acid	1	0	0	NA	70
bis(2-Chloroethoxy)methane	**1**	**41.185**	**39.021**	**5.4**	**45**
2,4-Dichlorophenol	**1**	**111.2185**	**110.315**	**0.82**	**47**
1,2,4-Trichlorobenzene	1	54.6785	51.1975	6.6	39
Naphthalene	**1**	**47.0565**	**43.6025**	**7.6**	**58**
4-Chloroaniline	**1**	**33.93**	**32.3485**	**4.8**	**75**
Hexachlorobutadiene	**1**	**61.061**	**59.8745**	**2**	**40**
Caprolactam	**1**	**45.0905**	**46.129**	**2.3**	**41**
4-Chloro-3-methylphenol	**1**	**101.705**	**102.618**	**0.89**	**47**
2-Methylnaphthalene	**1**	**49.7495**	**47.4755**	**4.7**	**39**
1-Methylnaphthalene	1	52.752	51.8655	1.7	41
1,1'-Biphenyl	**1**	**52.968**	**49.7835**	**6.2**	**43**
1,2,4,5-Tetrachlorobenzene	**1**	**50.5015**	**48.578**	**3.9**	**53**
Hexachlorocyclopentadiene	**1**	**0**	**0**	**NA**	**113**
2,4,6-Trichlorophenol	**1**	**106.146**	**101.675**	**4.3**	**63**
2,4,5-Trichlorophenol	**1**	**102.892**	**102.0355**	**0.84**	**49**
2-Chloronaphthalene	**1**	**49.5845**	**47.177**	**5**	**53**
1,4-Dimethylnaphthalene	1	46.8115	44.6145	4.8	45
Diphenyl Ether	1	47.1325	44.3475	6.1	52
2-Nitroaniline	**1**	**34.6215**	**32.8305**	**5.3**	**46**
Acenaphthylene	**1**	**49.9085**	**48.079**	**3.7**	**48**
Dimethylphthalate	**1**	**50.8345**	**47.787**	**6.2**	**49**
2,6-Dinitrotoluene	**1**	**45.5625**	**42.9895**	**5.8**	**49**
Acenaphthene	**1**	**47.328**	**43.815**	**7.7**	**39**
3-Nitroaniline	**1**	**41.0825**	**41.225**	**0.35**	**51**
2,4-Dinitrophenol	**1**	**0**	**0**	**NA**	**88**
Dibenzofuran	**1**	**53.031**	**51.2325**	**3.4**	**45**
2,4-Dinitrotoluene	**1**	**47.669**	**45.145**	**5.4**	**47**
4-Nitrophenol	**1**	**73.871**	**65.014**	**13**	**53**
2,3,4,6-Tetrachlorophenol	**1**	**119.796**	**109.214**	**9.2**	**50**
Fluorene	**1**	**49.7315**	**46.341**	**7.1**	**41**
4-Chlorophenyl-phenylether	**1**	**53.309**	**49.5735**	**7.3**	**39**
Diethylphthalate	**1**	**50.211**	**47.3135**	**5.9**	**46**
4-Nitroaniline	**1**	**48.77**	**47.7445**	**2.1**	**47**
Atrazine	**1**	**55.094**	**53.0085**	**3.9**	**59**
4,6-Dinitro-2-methylphenol	**1**	**0**	**0**	**NA**	**100**
n-Nitrosodiphenylamine	**1**	**42.3735**	**41.7245**	**1.5**	**56**

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits

QC Batch: SMB120227

Method: 8270E | Matrix: Soil | Units: mg/Kg | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
1,2-Diphenylhydrazine	1	32.874	33.3585	1.5	45
4-Bromophenyl-phenylether	**1**	**61.761**	**58.896**	**4.7**	**41**
Hexachlorobenzene	**1**	**67.247**	**65.7925**	**2.2**	**54**
N-Octadecane	1	34.799	35.0625	0.75	42
Pentachlorophenol	**1**	**105.3785**	**102.6415**	**2.6**	**48**
Phenanthrene	**1**	**51.208**	**49.416**	**3.6**	**70**
Anthracene	**1**	**48.173**	**47.199**	**2**	**47**
Carbazole	**1**	**48.3275**	**46.553**	**3.7**	**46**
Di-n-butylphthalate	**1**	**48.97**	**46.9635**	**4.2**	**47**
Fluoranthene	**1**	**57.983**	**55.886**	**3.7**	**63**
Pyrene	**1**	**52.3655**	**50.8205**	**3**	**61**
Benzidine	1	0	0	NA	267
Butylbenzylphthalate	**1**	**49.7795**	**49.5945**	**0.37**	**40**
3,3'-Dichlorobenzidine	**1**	**46.553**	**44.486**	**4.5**	**48**
Benzo[a]anthracene	**1**	**49.491**	**48.8955**	**1.2**	**55**
Chrysene	**1**	**44.9145**	**44.302**	**1.4**	**54**
bis(2-Ethylhexyl)phthalate	**1**	**43.0355**	**46.2465**	**7.2**	**39**
Di-n-octylphthalate	**1**	**47.1185**	**45.322**	**3.9**	**60**
Benzo[b]fluoranthene	**1**	**51.6955**	**52.905**	**2.3**	**64**
Benzo[k]fluoranthene	**1**	**46.3645**	**43.2635**	**6.9**	**57**
Benzo[a]pyrene	**1**	**49.781**	**45.894**	**8.1**	**58**
Indeno[1,2,3-cd]pyrene	**1**	**53.631**	**51.375**	**4.3**	**50**
Dibenzo[a,h]anthracene	**1**	**50.495**	**48.366**	**4.3**	**45**
Benzo[g,h,i]perylene	**1**	**52.0085**	**53.729**	**3.3**	**48**

* - Indicates outside of limits NA - Both concentrations=0... no result can be calculated

Bold and underline - Indicates the compounds reported on form1

FORM2

Surrogate Recovery

Method: EPA 8082A

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column2 S2 Recov	Column1 S3 Recov	Column2 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
2G198366.D	WMB119873	A	12/15/24 15:04	1		89	86	113	117		
iG1109539.D	SMB119887	S	12/13/24 11:55	1		69	79	80	77		
iG1109545.D	SMB119882	S	12/13/24 13:19	1		71	79	83	84		
2G198444.D	AD48589-001	S	12/16/24 06:26	1		99	95	114	116		
2G198455.D	AD48589-002	S	12/16/24 10:03	1		101	101	98	99		
2G198456.D	AD48589-003	S	12/16/24 10:15	1		94	92	85	86		
2G198457.D	AD48589-004	S	12/16/24 10:27	1		99	96	87	89		
2G198423.D	AD48589-005	S	12/16/24 02:18	1		93	89	86	87		
2G198458.D	AD48589-006	S	12/16/24 10:39	1		90	90	207 *	217 *		
2G198461.D	AD48589-007	S	12/16/24 11:14	1		108	105	89	89		
2G198442.D	AD48589-008	S	12/16/24 06:02	1		95	92	88	89		
2G198443.D	AD48589-009	S	12/16/24 06:14	1		103	100	91	93		
2G198440.D	AD48589-010	S	12/16/24 05:38	1		98	95	88	88		
2G198441.D	AD48589-011	S	12/16/24 05:50	1		94	90	82	81		
2G198367.D	AD48589-016	A	12/15/24 15:16	1		111	116	148 *	160 *		
2G198368.D	AD48589-018	A	12/15/24 15:28	1		65	66	82	84		
2G198369.D	AD48589-020	A	12/15/24 15:40	1		79	89	96	98		
2G198309.D	WMB119873(MS)	A	12/12/24 18:05	1		56	54	100	99		
2G198310.D	AD48589-016(MS)	A	12/12/24 18:17	1		79	80	82	82		
2G198311.D	AD48589-016(MSD)	A	12/12/24 18:28	1		75	76	83	84		
iG1109538.D	SMB119887(MS)	S	12/13/24 11:42	1		80	88	91	85		
iG1109540.D	AD48574-001(MS)	S	12/13/24 12:08	1		78	89	93	90		
iG1109541.D	AD48574-001(MSD)	S	12/13/24 12:21	1		75	87	88	87		
iG1109542.D	AD48574-001	S	12/13/24 12:33	1		73	86	84	84		
iG1109544.D	SMB119882(MS)	S	12/13/24 13:07	1		89	95	96	97		
iG1109546.D	AD48587-001(MS)	S	12/13/24 13:32	1		82	93	95	95		
iG1109547.D	AD48587-001(MSD)	S	12/13/24 13:45	1		80	93	92	93		
iG1109548.D	AD48587-001	S	12/13/24 13:58	1		83	94	92	92		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8082A

Soil Laboratory Limits

Compound	Spike Amt	Limits
S1=TCMX-Surrogate	100	13-171
S2=TCMX-Surrogate	100	13-171
S3=DCB-Surrogate	100	10-186
S4=DCB-Surrogate	100	10-186

Aqueous Laboratory Limits

Compound	Spike Amt	Limits
S1=TCMX-Surrogate	100	11-128
S2=TCMX-Surrogate	100	11-128
S3=DCB-Surrogate	100	11-144
S4=DCB-Surrogate	100	11-144

Form3
Recovery Data Laboratory Limits
QC Batch: WMB119873

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2G198309.D	WMB119873(MS)	12/12/2024 6:05:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8082 Matrix: Aqueous Units: ug/L QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Aroclor-1016 -Total	1	1382.658	0	1000	138	22	155
Aroclor-1260 -Total	1	1751.554	0	1000	175 *	34	147

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form

FORM2

Surrogate Recovery

Method: EPA 8081B

Dfile	Sample#	Matrix	Date/Time	Surr Dil	Dilute Out Flag	Column1 S1 Recov	Column2 S2 Recov	Column1 S3 Recov	Column2 S4 Recov	Column0 S5 Recov	Column0 S6 Recov
2G198351.D	SMB119883	S	12/13/24 13:40	1		81	80	74	81		
2G198360.D	SMB119881	S	12/13/24 15:26	1		81	80	77	84		
6G194176.D	WMB119872	A	12/13/24 12:56	1		90	93	99	109		
6G194163.D	AD48589-001	S	12/13/24 10:13	1		89	88	108	115		
6G194206.D	AD48589-002	S	12/16/24 04:03	1		92	98	90	103		
6G194161.D	AD48589-003	S	12/13/24 09:49	1		85	87	82	90		
6G194160.D	AD48589-004	S	12/13/24 09:37	1		89	88	91	94		
6G194159.D	AD48589-005	S	12/13/24 09:25	1		80	82	75	91		
6G194158.D	AD48589-006	S	12/13/24 09:12	1		85	83	229*	236*		
2G198328.D	AD48589-007	S	12/13/24 08:33	1		91	89	88	96		
6G194207.D	AD48589-008	S	12/16/24 04:15	1		91	93	83	94		
2G198327.D	AD48589-009	S	12/13/24 08:21	1		86	84	81	90		
2G198326.D	AD48589-010	S	12/13/24 08:09	1		83	82	76	92		
2G198331.D	AD48589-011	S	12/13/24 09:08	1		79	80	73	79		
6G194183.D	AD48589-016	A	12/13/24 14:21	1		110	119	143	147		
6G194184.D	AD48589-018	A	12/13/24 14:33	1		65	68	72	77		
6G194185.D	AD48589-020	A	12/13/24 14:45	1		80	91	94	91		
2G198330.D	AD48574-001	S	12/13/24 08:56	1		81	81	73	78		
2G198349.D	AD48574-001(MSD)	S	12/13/24 13:16	1		90	89	82	88		
2G198350.D	AD48574-001(MS)	S	12/13/24 13:28	1		91	91	85	93		
2G198355.D	AD48587-001(MSD)	S	12/13/24 14:27	1		93	93	85	94		
2G198356.D	AD48587-001(MS)	S	12/13/24 14:39	1		94	93	87	96		
2G198357.D	SMB119881(MS)	S	12/13/24 14:51	1		92	90	85	94		
2G198358.D	SMB119883(MS)	S	12/13/24 15:03	1		77	76	72	79		
6G194157.D	AD48587-001	S	12/13/24 09:00	1		96	98	87	95		
6G194175.D	WMB119872(MS)	A	12/13/24 12:44	1		56	61	104	119		
6G194177.D	AD48513-001(T)(MS)	A	12/13/24 13:09	1		101	102	108	113		
6G194178.D	AD48513-001(T)(MSD)	A	12/13/24 13:21	1		80	82	106	112		
6G194179.D	AD48513-001(T)	A	12/13/24 13:33	1		93	97	125	132		

Flags: SD=Surrogate diluted out

*=Surrogate out

Method: EPA 8081B

Soil Laboratory Limits

Compound	Spike Amt	Limits
S1=TCMX-Surrogate	100	27-138
S2=TCMX-Surrogate	100	27-138
S3=DCB-Surrogate	100	21-154
S4=DCB-Surrogate	100	21-154

Aqueous Laboratory Limits

Compound	Spike Amt	Limits
S1=TCMX-Surrogate	100	12-137
S2=TCMX-Surrogate	100	12-137
S3=DCB-Surrogate	100	13-160
S4=DCB-Surrogate	100	13-160

Form3
Recovery Data Laboratory Limits
QC Batch: WMB119872

	Data File	Sample ID:	Analysis Date
Spike or Dup:	6G194175.D	WMB119872(MS)	12/13/2024 12:44:00 P
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8081 Matrix: Aqueous Units: ug/L QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
alpha-BHC	1	62.14	0	100	62	44	120
gamma-BHC	1	61.92	0	100	62	44	123
beta-BHC	1	63.89	0	100	64	35	129
Heptachlor	1	35.31	0	100	35 *	44	123
delta-BHC	1	72.505	0	100	73	38	128
Aldrin	1	43.11	0	100	43 *	46	118
Heptachlor Epoxide	1	65.485	0	100	65	49	121
y-chlordane	1	56.735	0	100	57	44	138
a-chlordane	1	65.225	0	100	65	46	123
Endosulfan I	1	67.535	0	100	68	44	126
p,p'-DDE	1	71.41	0	100	71	44	132
Dieldrin	1	63.035	0	100	63	54	134
Endrin	1	69.985	0	100	70	40	139
p,p'-DDD	1	70.42	0	100	70	43	144
Endosulfan II	1	70.8	0	100	71	39	139
p,p'-DDT	1	56.65	0	100	57	44	138
Endrin Aldehyde	1	82.755	0	100	83	29	143
Endosulfan Sulfate	1	63.1	0	100	63	38	142
Methoxychlor	1	52.915	0	100	53	22	159
Endrin Ketone	1	75.23	0	100	75	40	139

* - Indicates outside of limits # - Indicates outside of standard limits but within method exceedance limits
Bold and underline - Indicates the compounds reported on form

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 116706

Instrument Type: ICPMS

Analytical Method(s):6020B/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AD48589-011

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	116706	1	S121124A	32	S121124A	28	24984.5750	20797.0280	2500	168	b	75	125
Antimony	116706	1	S121124A	32	S121124A	28	127.6780	1.5U	250	51	a	75	125
Arsenic	116706	1	S121124A	32	S121124A	28	223.8540	9.2550	250	86		75	125
Barium	116706	1	S121124A	32	S121124A	28	432.1840	267.6720	250	66	a	75	125
Beryllium	116706	1	S121124A	32	S121124A	28	203.3060	1.0210	250	81		75	125
Cadmium	116706	1	S121124A	32	S121124A	28	228.0620	1U	250	91		75	125
Calcium	116706	1	S121124A	32	S121124A	28	69715.9410	20752.7090	25000	196	a	75	125
Chromium	116706	1	S121124A	32	S121124A	28	270.0260	60.9190	250	84		75	125
Cobalt	116706	1	S121124A	32	S121124A	28	246.6920	33.8710	250	85		75	125
Copper	116706	1	S121124A	32	S121124A	28	359.2160	261.9930	250	39	a	75	125
Iron	116706	1	S121124A	32	S121124A	28	55742.7560	65890.1360	2500	-410	b	75	125
Lead	116706	1	S121124A	32	S121124A	28	420.5100	373.1160	250	19	a	75	125
Magnesium	116706	1	S121124A	32	S121124A	28	53065.2610	15532.7710	25000	150	a	75	125
Manganese	116706	1	S121124A	32	S121124A	28	1280.7150	1592.7270	250	-120	b	75	125
Nickel	116706	1	S121124A	32	S121124A	28	289.0660	66.4970	250	89		75	125
Potassium	116706	1	S121124A	32	S121124A	28	25044.7880	3299.7810	25000	87		75	125
Selenium	116706	1	S121124A	32	S121124A	28	214.8280	6.5870	250	83		75	125
Silver	116706	1	S121124A	32	S121124A	28	44.1680	1U	50	88		75	125
Sodium	116706	1	S121124A	32	S121124A	28	22816.9460	500U	25000	91		75	125
Thallium	116706	1	S121124A	32	S121124A	28	214.1800	1U	250	86		75	125
Vanadium	116706	1	S121124A	32	S121124A	28	307.3170	98.3380	250	84		75	125
Zinc	116706	1	S121124A	32	S121124A	28	403.1220	237.3440	250	66	a	75	125

TxtQcType: MS Matrix: SOIL SampleID: AD48589-011

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	116706	1	S121124A	31	S121124A	28	27116.8650	20797.0280	2500	253	b	75	125
Antimony	116706	1	S121124A	31	S121124A	28	128.0120	1.5U	250	51	a	75	125
Arsenic	116706	1	S121124A	31	S121124A	28	236.8460	9.2550	250	91		75	125
Barium	116706	1	S121124A	31	S121124A	28	451.8570	267.6720	250	74	a	75	125
Beryllium	116706	1	S121124A	31	S121124A	28	205.8520	1.0210	250	82		75	125
Cadmium	116706	1	S121124A	31	S121124A	28	229.7030	1U	250	92		75	125
Calcium	116706	1	S121124A	31	S121124A	28	61280.5080	20752.7090	25000	162	a	75	125
Chromium	116706	1	S121124A	31	S121124A	28	297.3420	60.9190	250	95		75	125
Cobalt	116706	1	S121124A	31	S121124A	28	263.4860	33.8710	250	92		75	125
Copper	116706	1	S121124A	31	S121124A	28	392.7170	261.9930	250	52	a	75	125
Iron	116706	1	S121124A	31	S121124A	28	74223.9230	65890.1360	2500	333	b	75	125
Lead	116706	1	S121124A	31	S121124A	28	410.0930	373.1160	250	15	a	75	125
Magnesium	116706	1	S121124A	31	S121124A	28	48094.1700	15532.7710	25000	130	a	75	125
Manganese	116706	1	S121124A	31	S121124A	28	1571.5870	1592.7270	250	-8.5	b	75	125
Nickel	116706	1	S121124A	31	S121124A	28	306.1260	66.4970	250	96		75	125
Potassium	116706	1	S121124A	31	S121124A	28	26631.8690	3299.7810	25000	93		75	125
Selenium	116706	1	S121124A	31	S121124A	28	227.5240	6.5870	250	88		75	125
Silver	116706	1	S121124A	31	S121124A	28	45.4080	1U	50	91		75	125
Sodium	116706	1	S121124A	31	S121124A	28	24487.0380	500U	25000	98		75	125
Thallium	116706	1	S121124A	31	S121124A	28	213.8040	1U	250	86		75	125
Vanadium	116706	1	S121124A	31	S121124A	28	368.9210	98.3380	250	108		75	125
Zinc	116706	1	S121124A	31	S121124A	28	436.0060	237.3440	250	79		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM5/FORM7

SPIKE RECOVERY DATA

PREP BATCH: 116710

Instrument Type: ICPMS

Analytical Method(s):6020B/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MS Matrix: AQUEOUS SampleID: AD48680-002

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	116710	1	SW31602A	25	SW31602A	22	3481.7660	1429.5620	2500	82		75	125
Antimony	116710	1	SW31602A	25	SW31602A	22	207.6790	1.5U	250	83		75	125
Arsenic	116710	1	SW31602A	25	SW31602A	22	220.8320	10.1230	250	84		75	125
Barium	116710	1	SW31602A	25	SW31602A	22	296.1870	95.4550	250	80		75	125
Beryllium	116710	1	SW31602A	25	SW31602A	22	190.6150	0.5U	250	76		75	125
Cadmium	116710	1	SW31602A	25	SW31602A	22	213.2700	1U	250	85		75	125
Calcium	116710	1	SW31602A	25	SW31602A	22	57985.8770	39074.7370	25000	76		75	125
Chromium	116710	1	SW31602A	25	SW31602A	22	217.6020	4.1090	250	85		75	125
Cobalt	116710	1	SW31602A	25	SW31602A	22	213.0310	1.4330	250	85		75	125
Copper	116710	1	SW31602A	25	SW31602A	22	219.6780	8.3150	250	85		75	125
Iron	116710	1	SW31602A	25	SW31602A	22	9183.8620	7516.6250	2500	67	a	75	125
Lead	116710	1	SW31602A	25	SW31602A	22	197.8130	1.8630	250	78		75	125
Magnesium	116710	1	SW31602A	25	SW31602A	22	27046.8520	6977.4220	25000	80		75	125
Manganese	116710	2	SW31602B	38	SW31602B	35	1599.5210	1526.8440	250	58	b	75	125
Nickel	116710	1	SW31602A	25	SW31602A	22	207.0290	5U	250	83		75	125
Potassium	116710	1	SW31602A	25	SW31602A	22	22336.4050	2317.4310	25000	80		75	125
Selenium	116710	1	SW31602A	25	SW31602A	22	207.4140	5U	250	83		75	125
Silver	116710	1	SW31602A	25	SW31602A	22	38.5980	1U	50	77		75	125
Sodium	116710	1	SW31602A	25	SW31602A	22	119742.4750	99910.3110	25000	79		75	125
Thallium	116710	1	SW31602A	25	SW31602A	22	185.0980	1U	250	74	a	75	125
Vanadium	116710	1	SW31602B	25	SW31602B	22	240.1450	6.0450	250	94		75	125
Zinc	116710	1	SW31602A	25	SW31602A	22	208.4780	20U	250	83		75	125

TxtQcType: MSD Matrix: AQUEOUS SampleID: AD48680-002

Analyte	BatchId	DF	Data File	Seq#:	NS Data Fil	Seq#	Spk Conc:	NS Conc:	Spk Added	Recov	Qual	Lo Lim	Hi Lim
Aluminum	116710	1	SW31602A	26	SW31602A	22	3645.5800	1429.5620	2500	89		75	125
Antimony	116710	1	SW31602A	26	SW31602A	22	216.6730	1.5U	250	87		75	125
Arsenic	116710	1	SW31602A	26	SW31602A	22	228.0220	10.1230	250	87		75	125
Barium	116710	1	SW31602A	26	SW31602A	22	317.8000	95.4550	250	89		75	125
Beryllium	116710	1	SW31602A	26	SW31602A	22	197.3340	0.5U	250	79		75	125
Cadmium	116710	1	SW31602A	26	SW31602A	22	221.1700	1U	250	88		75	125
Calcium	116710	1	SW31602A	26	SW31602A	22	63076.7820	39074.7370	25000	96		75	125
Chromium	116710	1	SW31602A	26	SW31602A	22	231.1960	4.1090	250	91		75	125
Cobalt	116710	1	SW31602A	26	SW31602A	22	219.7090	1.4330	250	87		75	125
Copper	116710	1	SW31602A	26	SW31602A	22	224.8160	8.3150	250	87		75	125
Iron	116710	1	SW31602A	26	SW31602A	22	9368.2140	7516.6250	2500	74	a	75	125
Lead	116710	1	SW31602A	26	SW31602A	22	207.4750	1.8630	250	82		75	125
Magnesium	116710	1	SW31602A	26	SW31602A	22	28329.3640	6977.4220	25000	85		75	125
Manganese	116710	2	SW31602B	39	SW31602B	35	1729.0510	1526.8440	250	162	b	75	125
Nickel	116710	1	SW31602A	26	SW31602A	22	214.2600	5U	250	86		75	125
Potassium	116710	1	SW31602A	26	SW31602A	22	23495.3520	2317.4310	25000	85		75	125
Selenium	116710	1	SW31602A	26	SW31602A	22	215.9130	5U	250	86		75	125
Silver	116710	1	SW31602A	26	SW31602A	22	39.5910	1U	50	79		75	125
Sodium	116710	1	SW31602A	26	SW31602A	22	124615.6440	99910.3110	25000	99		75	125
Thallium	116710	1	SW31602A	26	SW31602A	22	194.7890	1U	250	78		75	125
Vanadium	116710	1	SW31602B	26	SW31602B	22	245.3750	6.0450	250	96		75	125
Zinc	116710	1	SW31602A	26	SW31602A	22	217.2540	20U	250	87		75	125

a-Indicates Recovery Failed the criteria b-Indicates Recovery Failed the criteria but non spike concentration >4*spike amount

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 116706

Instrument Type: ICPMS

Analytical Method(s):6020B/200.8 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: LCSMR Matrix: SOIL SampleID: LCS MR 116706

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	116706	S121124A	21	S121124A	20	7135.7310	7081.5770	.76		20
Antimony	116706	S121124A	21	S121124A	20	72.0880	63.7630	12		20
Arsenic	116706	S121124A	21	S121124A	20	53.8130	53.1320	1.3		20
Barium	116706	S121124A	21	S121124A	20	508.4010	451.7690	12		20
Beryllium	116706	S121124A	21	S121124A	20	276.0700	248.0640	11		20
Cadmium	116706	S121124A	21	S121124A	20	122.3290	106.4440	14		20
Calcium	116706	S121124A	21	S121124A	20	10106.9600	10064.9740	.42		20
Chromium	116706	S121124A	21	S121124A	20	256.7140	251.8740	1.9		20
Cobalt	116706	S121124A	21	S121124A	20	138.6860	137.1380	1.1		20
Copper	116706	S121124A	21	S121124A	20	196.8950	196.6940	.1		20
Iron	116706	S121124A	21	S121124A	20	10941.0140	10581.7640	3.3		20
Lead	116706	S121124A	21	S121124A	20	324.6680	285.7110	13		20
Magnesium	116706	S121124A	21	S121124A	20	13649.9840	13559.5580	.66		20
Manganese	116706	S121124A	21	S121124A	20	586.4800	580.0210	1.1		20
Nickel	116706	S121124A	21	S121124A	20	147.4760	146.1080	.93		20
Potassium	116706	S121124A	21	S121124A	20	10379.9420	10345.1300	.34		20
Selenium	116706	S121124A	21	S121124A	20	184.6630	180.2720	2.4		20
Silver	116706	S121124A	21	S121124A	20	49.5520	42.9590	14		20
Sodium	116706	S121124A	21	S121124A	20	6035.2780	5906.2180	2.2		20
Thallium	116706	S121124A	21	S121124A	20	40.6950	35.9060	13		20
Vanadium	116706	S121124A	21	S121124A	20	63.9240	62.4250	2.4		20
Zinc	116706	S121124A	21	S121124A	20	558.5230	551.5830	1.3		20

TxtQcType: MR Matrix: SOIL SampleID: AD48589-011

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	116706	S121124A	29	S121124A	28	23113.9080	20797.0280	11		20
Antimony	116706	S121124A	29	S121124A	28	1.5U	1.5U	---		20
Arsenic	116706	S121124A	29	S121124A	28	8.3530	9.2550	10		20
Barium	116706	S121124A	29	S121124A	28	254.7030	267.6720	5		20
Beryllium	116706	S121124A	29	S121124A	28	0.9600	1.0210	6.2		20
Cadmium	116706	S121124A	29	S121124A	28	1U	1U	---		20
Calcium	116706	S121124A	29	S121124A	28	39581.1420	20752.7090	62	a	20
Chromium	116706	S121124A	29	S121124A	28	77.3100	60.9190	24	a	20
Cobalt	116706	S121124A	29	S121124A	28	32.1850	33.8710	5.1		20
Copper	116706	S121124A	29	S121124A	28	153.3040	261.9930	52	a	20
Iron	116706	S121124A	29	S121124A	28	62694.9320	65890.1360	5		20
Lead	116706	S121124A	29	S121124A	28	244.0870	373.1160	42	a	20
Magnesium	116706	S121124A	29	S121124A	28	26442.3170	15532.7710	52	a	20
Manganese	116706	S121124A	29	S121124A	28	1169.8250	1592.7270	31	a	20
Nickel	116706	S121124A	29	S121124A	28	68.3640	66.4970	2.8		20
Potassium	116706	S121124A	29	S121124A	28	3233.8360	3299.7810	2		20
Selenium	116706	S121124A	29	S121124A	28	6.2310	6.5870	5.6		20
Silver	116706	S121124A	29	S121124A	28	1U	1U	---		20
Sodium	116706	S121124A	29	S121124A	28	693.8800	500U	---		20
Thallium	116706	S121124A	29	S121124A	28	1U	1U	---		20
Vanadium	116706	S121124A	29	S121124A	28	101.1560	98.3380	2.8		20
Zinc	116706	S121124A	29	S121124A	28	231.3160	237.3440	2.6		20

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 116706

Instrument Type: ICPMS

Analytical Method(s):6020B/200.8 ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: SOIL SampleID: AD48589-011

Analyte	BatchId	Data File	Seq#:	MS File	Seq#	Result 1	Result 2	RPD		Limit
Aluminum	116706	S121124A	32	S121124A	31	24984.5750	27116.8650	8.2		20
Antimony	116706	S121124A	32	S121124A	31	127.6780	128.0120	.26		20
Arsenic	116706	S121124A	32	S121124A	31	223.8540	236.8460	5.6		20
Barium	116706	S121124A	32	S121124A	31	432.1840	451.8570	4.5		20
Beryllium	116706	S121124A	32	S121124A	31	203.3060	205.8520	1.2		20
Cadmium	116706	S121124A	32	S121124A	31	228.0620	229.7030	.72		20
Calcium	116706	S121124A	32	S121124A	31	69715.9410	61280.5080	13		20
Chromium	116706	S121124A	32	S121124A	31	270.0260	297.3420	9.6		20
Cobalt	116706	S121124A	32	S121124A	31	246.6920	263.4860	6.6		20
Copper	116706	S121124A	32	S121124A	31	359.2160	392.7170	8.9		20
Iron	116706	S121124A	32	S121124A	31	55742.7560	74223.9230	28	a	20
Lead	116706	S121124A	32	S121124A	31	420.5100	410.0930	2.5		20
Magnesium	116706	S121124A	32	S121124A	31	53065.2610	48094.1700	9.8		20
Manganese	116706	S121124A	32	S121124A	31	1280.7150	1571.5870	20		20
Nickel	116706	S121124A	32	S121124A	31	289.0660	306.1260	5.7		20
Potassium	116706	S121124A	32	S121124A	31	25044.7880	26631.8690	6.1		20
Selenium	116706	S121124A	32	S121124A	31	214.8280	227.5240	5.7		20
Silver	116706	S121124A	32	S121124A	31	44.1680	45.4080	2.8		20
Sodium	116706	S121124A	32	S121124A	31	22816.9460	24487.0380	7.1		20
Thallium	116706	S121124A	32	S121124A	31	214.1800	213.8040	.18		20
Vanadium	116706	S121124A	32	S121124A	31	307.3170	368.9210	18		20
Zinc	116706	S121124A	32	S121124A	31	403.1220	436.0060	7.8		20

TxtQcType: SD Matrix: SOIL SampleID: AD48589-011

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Aluminum	116706	S121124A	30	S121124A	28	5	4121.2870	20797.0280	0.92		20
Antimony	116706	S121124A	30	S121124A	28	5	0.1450	0.6270	16	c	20
Arsenic	116706	S121124A	30	S121124A	28	5	1.8220	9.2550	1.6		20
Barium	116706	S121124A	30	S121124A	28	5	54.3750	267.6720	1.6		20
Beryllium	116706	S121124A	30	S121124A	28	5	0.2190	1.0210	7.2		20
Cadmium	116706	S121124A	30	S121124A	28	5	0.1160	0.5450	6.4		20
Calcium	116706	S121124A	30	S121124A	28	5	4080.9290	20752.7090	1.7		20
Chromium	116706	S121124A	30	S121124A	28	5	11.7970	60.9190	3.2		20
Cobalt	116706	S121124A	30	S121124A	28	5	6.6280	33.8710	2.2		20
Copper	116706	S121124A	30	S121124A	28	5	50.7350	261.9930	3.2		20
Iron	116706	S121124A	30	S121124A	28	5	13054.7920	65890.1360	0.94		20
Lead	116706	S121124A	30	S121124A	28	5	78.8620	373.1160	5.7		20
Magnesium	116706	S121124A	30	S121124A	28	5	3071.6080	15532.7710	1.1		20
Manganese	116706	S121124A	30	S121124A	28	5	321.0660	1592.7270	0.79		20
Nickel	116706	S121124A	30	S121124A	28	5	13.2120	66.4970	0.66		20
Potassium	116706	S121124A	30	S121124A	28	5	649.2530	3299.7810	1.6		20
Selenium	116706	S121124A	30	S121124A	28	5	1.1670	6.5870	11	c	20
Silver	116706	S121124A	30	S121124A	28	5	0.0410	0.2530	19	c	20
Sodium	116706	S121124A	30	S121124A	28	5	105.5420	459.9280	15	c	20
Thallium	116706	S121124A	30	S121124A	28	5	0.0750	0.3480	7.8		20
Vanadium	116706	S121124A	30	S121124A	28	5	18.9990	98.3380	3.4		20
Zinc	116706	S121124A	30	S121124A	28	5	50.0120	237.3440	5.4		20

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

FORM6/FORM9

RPD/%Difference Data

PREP BATCH: 116710

Instrument Type: ICPMS

Analytical Method(s):6020B/200.8

ICP units in ppm, ICPMS and Hg in ppb

TxtQcType: MSD Matrix: AQUEOUS SampleID: AD48680-002

Analyte	BatchId	Data File	Seq#:	MS File	Seq#	Result 1	Result 2	RPD	Limit
Aluminum	116710	SW31602A	26	SW31602A	25	3645.5800	3481.7660	4.6	20
Antimony	116710	SW31602A	26	SW31602A	25	216.6730	207.6790	4.2	20
Arsenic	116710	SW31602A	26	SW31602A	25	228.0220	220.8320	3.2	20
Barium	116710	SW31602A	26	SW31602A	25	317.8000	296.1870	7	20
Beryllium	116710	SW31602A	26	SW31602A	25	197.3340	190.6150	3.5	20
Cadmium	116710	SW31602A	26	SW31602A	25	221.1700	213.2700	3.6	20
Calcium	116710	SW31602A	26	SW31602A	25	63076.7820	57985.8770	8.4	20
Chromium	116710	SW31602A	26	SW31602A	25	231.1960	217.6020	6.1	20
Cobalt	116710	SW31602A	26	SW31602A	25	219.7090	213.0310	3.1	20
Copper	116710	SW31602A	26	SW31602A	25	224.8160	219.6780	2.3	20
Iron	116710	SW31602A	26	SW31602A	25	9368.2140	9183.8620	2	20
Lead	116710	SW31602A	26	SW31602A	25	207.4750	197.8130	4.8	20
Magnesium	116710	SW31602A	26	SW31602A	25	28329.3640	27046.8520	4.6	20
Manganese	116710	SW31602B	39	SW31602B	38	1729.0510	1599.5210	7.8	20
Nickel	116710	SW31602A	26	SW31602A	25	214.2600	207.0290	3.4	20
Potassium	116710	SW31602A	26	SW31602A	25	23495.3520	22336.4050	5.1	20
Selenium	116710	SW31602A	26	SW31602A	25	215.9130	207.4140	4	20
Silver	116710	SW31602A	26	SW31602A	25	39.5910	38.5980	2.5	20
Sodium	116710	SW31602A	26	SW31602A	25	124615.6440	119742.4750	4	20
Thallium	116710	SW31602A	26	SW31602A	25	194.7890	185.0980	5.1	20
Vanadium	116710	SW31602B	26	SW31602B	25	245.3750	240.1450	2.2	20
Zinc	116710	SW31602A	26	SW31602A	25	217.2540	208.4780	4.1	20

TxtQcType: SD Matrix: AQUEOUS SampleID: AD48680-002

Analyte	BatchId	Data File	Seq#:	NS File	Seq#	DF	Result 1	Result 2	%Diff		Limit
Aluminum	116710	SW31602A	24	SW31602A	22	5	310.9810	1429.5620	8.8		20
Antimony	116710	SW31602A	24	SW31602A	22	5	0.0900	0.5110	12		20
Arsenic	116710	SW31602A	24	SW31602A	22	5	2.0290	10.1230	0.22		20
Barium	116710	SW31602A	24	SW31602A	22	5	19.3490	95.4550	1.4		20
Beryllium	116710	SW31602A	24	SW31602A	22	5	0.0330	0.1400	18	c	20
Cadmium	116710	SW31602A	24	SW31602A	22	5	0.0090	0.0250	80	c	20
Calcium	116710	SW31602A	24	SW31602A	22	5	8317.6480	39074.7370	6.4		20
Chromium	116710	SW31602A	24	SW31602A	22	5	0.8630	4.1090	5		20
Cobalt	116710	SW31602A	24	SW31602A	22	5	0.2950	1.4330	2.9		20
Copper	116710	SW31602A	24	SW31602A	22	5	1.6100	8.3150	3.2		20
Iron	116710	SW31602A	24	SW31602A	22	5	1553.4070	7516.6250	3.3		20
Lead	116710	SW31602A	24	SW31602A	22	5	0.3770	1.8630	1.2		20
Magnesium	116710	SW31602A	24	SW31602A	22	5	1486.5960	6977.4220	6.5		20
Manganese	116710	SW31602B	37	SW31602B	35	5	339.5510	1526.8440	11		20
Nickel	116710	SW31602A	24	SW31602A	22	5	0.6370	3.1380	1.5		20
Potassium	116710	SW31602A	24	SW31602A	22	5	477.7690	2317.4310	3.1		20
Selenium	116710	SW31602A	24	SW31602A	22	5	0.1120	0.9620	42	c	20
Silver	116710	SW31602A	24	SW31602A	22	5	0.0020	0.0130	---		20
Sodium	116710	SW31602A	24	SW31602A	22	5	20813.7420	99910.3110	4.2		20
Thallium	116710	SW31602A	24	SW31602A	22	5	0.0570	0.4110	31	a	20
Vanadium	116710	SW31602B	24	SW31602B	22	5	1.3020	6.0450	7.7		20
Zinc	116710	SW31602A	24	SW31602A	22	5	3.0840	9.4980	62	c	20

a-Indicates Rpd Failed the criteria

b-Method Rep Out but concentrations < 5*RL

c-Serial dilution Out but conc < 10 * IDL

HC Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

DUP = Duplicate

LCS = Laboratory Control Spike

MBS = Method Blank Spike

MDL = Method Detection Limit

MR = Matrix Replicate

MS = Matrix Spike

MSD = Matrix Spike Duplicate

NA = Not Applicable

ND = Not Detected

PS = Post Digestion Spike

RL* = Reporting Limit

RT = Retention Time

SD = Serial Dilution

**Samples with elevated Reporting Limits (RLs) as a result of a dilution may not achieve client reporting limits in some cases. The elevated RLs are unavoidable consequences of sample dilution required to quantitate target analytes that exceed the calibration range of the instrument.*

DATA QUALIFIERS

A- Indicates that the Tentatively Identified Compound (TIC) is suspected to be an aldol-condensation product. These compounds are by-products of acetone and methylene chloride used in the extraction process.

B- Indicates analyte was present in the Method Blank and sample.

d- For Pesticide and PCB analysis, the concentration between primary and secondary columns is greater than 40%. The lower concentration is generally reported.

E- Indicates the concentration exceeded the upper calibration range of the instrument.

J- Indicates the value is estimated because it is either a Tentatively Identified Compound (TIC) or the reported concentration is greater than the MDL but less than the RL. For samples results between the MDL and RL there is a possibility of false positives or misidentification at the quantitation levels. Additionally, the acceptance criteria for QC samples may not be met.

R- Retention Time is out.

Y- Indicates a contaminant found in the blank at less than 10% of the concentration of a contaminant found in the sample.

HC Report of Analysis

Client: LIRO Engineers, Inc.
HC Project #: 4121001
Project: Queens Botanical Gardens

Sample ID: SB-07-9.5-10.0'
Lab#: AD48589-001
Matrix: Soil
Collection Date: 12/5/2024
Receipt Date: 12/9/2024

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		69

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.12	0.22

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0072	ND
Aldrin	1	mg/kg	0.0072	ND
Alpha-BHC	1	mg/kg	0.0014	ND
beta-BHC	1	mg/kg	0.0014	ND
Chlordane (Total)	1	mg/kg	0.0072	ND
delta-BHC	1	mg/kg	0.0072	ND
Dieldrin	1	mg/kg	0.0014	ND
Endosulfan I	1	mg/kg	0.0072	ND
Endosulfan II	1	mg/kg	0.0072	ND
Endosulfan Sulfate	1	mg/kg	0.0072	ND
Endrin	1	mg/kg	0.0072	ND
Endrin Aldehyde	1	mg/kg	0.0072	ND
Endrin Ketone	1	mg/kg	0.0072	ND
gamma-BHC	1	mg/kg	0.0014	ND
Heptachlor	1	mg/kg	0.0072	ND
Heptachlor Epoxide	1	mg/kg	0.0072	ND
Methoxychlor	1	mg/kg	0.0072	ND
p,p'-DDD	1	mg/kg	0.0036	ND
p,p'-DDE	1	mg/kg	0.0036	ND
p,p'-DDT	1	mg/kg	0.0036	ND
Toxaphene	1	mg/kg	0.036	ND
y-Chlordane	1	mg/kg	0.0072	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.036	ND
Aroclor-1016	1	mg/kg	0.036	ND
Aroclor-1221	1	mg/kg	0.036	ND
Aroclor-1232	1	mg/kg	0.036	ND
Aroclor-1242	1	mg/kg	0.036	ND
Aroclor-1248	1	mg/kg	0.036	ND
Aroclor-1254	1	mg/kg	0.036	ND
Aroclor-1260	1	mg/kg	0.036	ND
Aroclor-1262	1	mg/kg	0.036	ND
Aroclor-1268	1	mg/kg	0.036	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	5	mg/kg	0.24	ND
1,2,4,5-Tetrachlorobenzene	5	mg/kg	0.24	ND

Sample ID:	**SB-07-9.5-10.0'**
Lab#:	**AD48589-001**
Matrix:	**Soil**
Collection Date:	**12/5/2024**
Receipt Date:	**12/9/2024**

1,4-Dioxane	5	mg/kg	0.24	ND
2,3,4,6-Tetrachlorophenol	5	mg/kg	0.24	ND
2,4,5-Trichlorophenol	5	mg/kg	0.24	ND
2,4,6-Trichlorophenol	5	mg/kg	0.24	ND
2,4-Dichlorophenol	5	mg/kg	0.24	ND
2,4-Dimethylphenol	5	mg/kg	0.24	ND
2,4-Dinitrophenol	5	mg/kg	1.2	ND
2,4-Dinitrotoluene	5	mg/kg	0.24	ND
2,6-Dinitrotoluene	5	mg/kg	0.24	ND
2-Chloronaphthalene	5	mg/kg	0.24	ND
2-Chlorophenol	5	mg/kg	0.24	ND
2-Methylnaphthalene	5	mg/kg	0.24	ND
2-Methylphenol	5	mg/kg	0.24	ND
2-Nitroaniline	5	mg/kg	0.24	ND
2-Nitrophenol	5	mg/kg	0.24	ND
3&4-Methylphenol	5	mg/kg	0.24	ND
3,3'-Dichlorobenzidine	5	mg/kg	0.24	ND
3-Nitroaniline	5	mg/kg	0.24	ND
4,6-Dinitro-2-methylphenol	5	mg/kg	1.2	ND
4-Bromophenyl-phenylether	5	mg/kg	0.24	ND
4-Chloro-3-methylphenol	5	mg/kg	0.24	ND
4-Chloroaniline	5	mg/kg	0.24	ND
4-Chlorophenyl-phenylether	5	mg/kg	0.24	ND
4-Nitroaniline	5	mg/kg	0.24	ND
4-Nitrophenol	5	mg/kg	0.24	ND
Acenaphthene	5	mg/kg	0.24	ND
Acenaphthylene	5	mg/kg	0.24	ND
Acetophenone	5	mg/kg	0.24	ND
Anthracene	5	mg/kg	0.24	ND
Atrazine	5	mg/kg	0.24	ND
Benzaldehyde	5	mg/kg	0.24	ND
Benzo[a]anthracene	5	mg/kg	0.24	ND
Benzo[a]pyrene	5	mg/kg	0.24	ND
Benzo[b]fluoranthene	5	mg/kg	0.24	ND
Benzo[g,h,i]perylene	5	mg/kg	0.24	ND
Benzo[k]fluoranthene	5	mg/kg	0.24	ND
bis(2-Chloroethoxy)methane	5	mg/kg	0.24	ND
bis(2-Chloroethyl)ether	5	mg/kg	0.092	ND
bis(2-Chloroisopropyl)ether	5	mg/kg	0.24	ND
bis(2-Ethylhexyl)phthalate	5	mg/kg	0.24	ND
Butylbenzylphthalate	5	mg/kg	0.24	ND
Caprolactam	5	mg/kg	0.24	ND
Carbazole	5	mg/kg	0.24	ND
Chrysene	5	mg/kg	0.24	ND
Dibenzo[a,h]anthracene	5	mg/kg	0.24	ND
Dibenzofuran	5	mg/kg	0.24	ND
Diethylphthalate	5	mg/kg	0.24	ND
Dimethylphthalate	5	mg/kg	0.24	ND
Di-n-butylphthalate	5	mg/kg	1.2	ND
Di-n-octylphthalate	5	mg/kg	0.24	ND
Fluoranthene	**5**	**mg/kg**	**0.24**	**0.30**
Fluorene	5	mg/kg	0.24	ND
Hexachlorobenzene	5	mg/kg	0.24	ND
Hexachlorobutadiene	5	mg/kg	0.24	ND
Hexachlorocyclopentadiene	5	mg/kg	1.2	ND
Hexachloroethane	5	mg/kg	0.24	ND
Indeno[1,2,3-cd]pyrene	5	mg/kg	0.24	ND

Sample ID:	**SB-07-9.5-10.0'**	**Collection Date:**	**12/5/2024**
Lab#:	**AD48589-001**	**Receipt Date:**	**12/9/2024**
Matrix:	**Soil**		

Isophorone	5	mg/kg	0.24	ND
Naphthalene	5	mg/kg	0.24	ND
Nitrobenzene	5	mg/kg	0.24	ND
N-Nitroso-di-n-propylamine	5	mg/kg	0.24	ND
N-Nitrosodiphenylamine	5	mg/kg	0.24	ND
Pentachlorophenol	5	mg/kg	1.2	ND
Phenanthrene	**5**	**mg/kg**	**0.24**	**0.26**
Phenol	5	mg/kg	0.24	ND
Pyrene	**5**	**mg/kg**	**0.24**	**0.41**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	1	mg/kg	29	9500
Antimony	1	mg/kg	0.43	1.0
Arsenic	1	mg/kg	0.29	8.0
Barium	1	mg/kg	0.72	170
Beryllium	1	mg/kg	0.14	0.50
Cadmium	1	mg/kg	0.29	0.66
Calcium	1	mg/kg	140	9100
Chromium	1	mg/kg	0.29	27
Cobalt	1	mg/kg	0.29	8.7
Copper	1	mg/kg	1.4	150
Iron	1	mg/kg	43	34000
Lead	1	mg/kg	0.43	220
Magnesium	1	mg/kg	140	5100
Manganese	5	mg/kg	7.2	890
Nickel	1	mg/kg	1.4	21
Potassium	1	mg/kg	140	2200
Selenium	1	mg/kg	1.4	2.6
Silver	1	mg/kg	0.29	0.34
Sodium	1	mg/kg	140	380
Thallium	1	mg/kg	0.29	ND
Vanadium	1	mg/kg	0.29	31
Zinc	1	mg/kg	5.8	290

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.984	mg/kg	0.0029	ND
1,1,2,2-Tetrachloroethane	0.984	mg/kg	0.0029	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.984	mg/kg	0.0029	ND
1,1,2-Trichloroethane	0.984	mg/kg	0.0029	ND
1,1-Dichloroethane	0.984	mg/kg	0.0029	ND
1,1-Dichloroethene	0.984	mg/kg	0.0029	ND
1,2,3-Trichlorobenzene	0.984	mg/kg	0.0029	ND
1,2,4-Trichlorobenzene	0.984	mg/kg	0.0029	ND
1,2-Dibromo-3-chloropropane	0.984	mg/kg	0.0029	ND
1,2-Dibromoethane	0.984	mg/kg	0.0014	ND
1,2-Dichlorobenzene	0.984	mg/kg	0.0029	ND
1,2-Dichloroethane	0.984	mg/kg	0.0029	ND
1,2-Dichloropropane	0.984	mg/kg	0.0029	ND
1,3-Dichlorobenzene	0.984	mg/kg	0.0029	ND
1,3-Dichloropropene (Total)	0.984	mg/kg	0.0029	ND
1,4-Dichlorobenzene	0.984	mg/kg	0.0029	ND
1,4-Dioxane	0.984	mg/kg	0.14	ND
2-Butanone	**0.984**	**mg/kg**	**0.0029**	**0.026**
2-Hexanone	0.984	mg/kg	0.0029	ND
4-Methyl-2-pentanone	0.984	mg/kg	0.0029	ND

Sample ID:	**SB-07-9.5-10.0'**
Lab#:	**AD48589-001**
Matrix:	**Soil**
Collection Date:	**12/5/2024**
Receipt Date:	**12/9/2024**

Acetone	**0.984**	**mg/kg**	**0.014**	**0.14**
Benzene	0.984	mg/kg	0.0014	ND
Bromochloromethane	0.984	mg/kg	0.0029	ND
Bromodichloromethane	0.984	mg/kg	0.0029	ND
Bromoform	0.984	mg/kg	0.0029	ND
Bromomethane	0.984	mg/kg	0.0029	ND
Carbon disulfide	0.984	mg/kg	0.0071	ND
Carbon tetrachloride	0.984	mg/kg	0.0029	ND
Chlorobenzene	0.984	mg/kg	0.0029	ND
Chloroethane	0.984	mg/kg	0.0029	ND
Chloroform	0.984	mg/kg	0.0029	ND
Chloromethane	0.984	mg/kg	0.0029	ND
cis-1,2-Dichloroethene	0.984	mg/kg	0.0029	ND
cis-1,3-Dichloropropene	0.984	mg/kg	0.0029	ND
Cyclohexane	0.984	mg/kg	0.0029	ND
Dibromochloromethane	0.984	mg/kg	0.0029	ND
Dichlorodifluoromethane	0.984	mg/kg	0.0029	ND
Ethylbenzene	0.984	mg/kg	0.0014	ND
Isopropylbenzene	0.984	mg/kg	0.0014	ND
m&p-Xylenes	0.984	mg/kg	0.0020	ND
Methyl Acetate	0.984	mg/kg	0.0029	ND
Methylcyclohexane	0.984	mg/kg	0.0029	ND
Methylene chloride	**0.984**	**mg/kg**	**0.0029**	**0.0039**
Methyl-t-butyl ether	0.984	mg/kg	0.0014	ND
o-Xylene	0.984	mg/kg	0.0014	ND
Styrene	0.984	mg/kg	0.0029	ND
Tetrachloroethene	0.984	mg/kg	0.0029	ND
Toluene	0.984	mg/kg	0.0014	ND
trans-1,2-Dichloroethene	0.984	mg/kg	0.0029	ND
trans-1,3-Dichloropropene	0.984	mg/kg	0.0029	ND
Trichloroethene	0.984	mg/kg	0.0029	ND
Trichlorofluoromethane	0.984	mg/kg	0.0029	ND
Vinyl chloride	0.984	mg/kg	0.0029	ND
Xylenes (Total)	0.984	mg/kg	0.0014	ND

Sample ID: SB-09-9.5-10.0' Collection Date: 12/5/2024
Lab#: AD48589-002 Receipt Date: 12/9/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.097	0.33

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0058	ND
Aldrin	1	mg/kg	0.0058	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0058	ND
delta-BHC	1	mg/kg	0.0058	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0058	ND
Endosulfan II	1	mg/kg	0.0058	ND
Endosulfan Sulfate	1	mg/kg	0.0058	ND
Endrin	1	mg/kg	0.0058	ND
Endrin Aldehyde	1	mg/kg	0.0058	ND
Endrin Ketone	1	mg/kg	0.0058	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0058	ND
Heptachlor Epoxide	1	mg/kg	0.0058	ND
Methoxychlor	1	mg/kg	0.0058	ND
p,p'-DDD	1	mg/kg	0.0029	ND
p,p'-DDE	1	mg/kg	0.0029	ND
p,p'-DDT	1	mg/kg	0.0029	ND
Toxaphene	1	mg/kg	0.029	ND
y-Chlordane	1	mg/kg	0.0058	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.039	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.039	ND
1,4-Dioxane	1	mg/kg	0.039	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.039	ND
2,4,5-Trichlorophenol	1	mg/kg	0.039	ND
2,4,6-Trichlorophenol	1	mg/kg	0.039	ND
2,4-Dichlorophenol	1	mg/kg	0.039	ND
2,4-Dimethylphenol	1	mg/kg	0.039	ND

Sample ID:	**SB-09-9.5-10.0'**
Lab#:	**AD48589-002**
Matrix:	**Soil**
Collection Date:	**12/5/2024**
Receipt Date:	**12/9/2024**

2,4-Dinitrophenol	1	mg/kg	0.19	ND
2,4-Dinitrotoluene	1	mg/kg	0.039	ND
2,6-Dinitrotoluene	1	mg/kg	0.039	ND
2-Chloronaphthalene	1	mg/kg	0.039	ND
2-Chlorophenol	1	mg/kg	0.039	ND
2-Methylnaphthalene	1	mg/kg	0.039	ND
2-Methylphenol	1	mg/kg	0.039	ND
2-Nitroaniline	1	mg/kg	0.039	ND
2-Nitrophenol	1	mg/kg	0.039	ND
3&4-Methylphenol	1	mg/kg	0.039	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.039	ND
3-Nitroaniline	1	mg/kg	0.039	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.19	ND
4-Bromophenyl-phenylether	1	mg/kg	0.039	ND
4-Chloro-3-methylphenol	1	mg/kg	0.039	ND
4-Chloroaniline	1	mg/kg	0.039	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.039	ND
4-Nitroaniline	1	mg/kg	0.039	ND
4-Nitrophenol	1	mg/kg	0.039	ND
Acenaphthene	1	mg/kg	0.039	ND
Acenaphthylene	1	mg/kg	0.039	ND
Acetophenone	1	mg/kg	0.039	ND
Anthracene	1	mg/kg	0.039	ND
Atrazine	1	mg/kg	0.039	ND
Benzaldehyde	1	mg/kg	0.039	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.039**	**0.14**
Benzo[a]pyrene	**1**	**mg/kg**	**0.039**	**0.16**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.039**	**0.21**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.039**	**0.13**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.039**	**0.070**
bis(2-Chloroethoxy)methane	1	mg/kg	0.039	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.015	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.039	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.039	ND
Butylbenzylphthalate	1	mg/kg	0.039	ND
Caprolactam	1	mg/kg	0.039	ND
Carbazole	1	mg/kg	0.039	ND
Chrysene	**1**	**mg/kg**	**0.039**	**0.15**
Dibenzo[a,h]anthracene	1	mg/kg	0.039	ND
Dibenzofuran	1	mg/kg	0.039	ND
Diethylphthalate	1	mg/kg	0.039	ND
Dimethylphthalate	1	mg/kg	0.039	ND
Di-n-butylphthalate	1	mg/kg	0.19	ND
Di-n-octylphthalate	1	mg/kg	0.039	ND
Fluoranthene	**1**	**mg/kg**	**0.039**	**0.25**
Fluorene	1	mg/kg	0.039	ND
Hexachlorobenzene	1	mg/kg	0.039	ND
Hexachlorobutadiene	1	mg/kg	0.039	ND
Hexachlorocyclopentadiene	1	mg/kg	0.19	ND
Hexachloroethane	1	mg/kg	0.039	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.039**	**0.13**
Isophorone	1	mg/kg	0.039	ND
Naphthalene	1	mg/kg	0.039	ND
Nitrobenzene	1	mg/kg	0.039	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.039	ND
N-Nitrosodiphenylamine	1	mg/kg	0.039	ND
Pentachlorophenol	1	mg/kg	0.19	ND

Sample ID:	**SB-09-9.5-10.0'**
Lab#:	**AD48589-002**
Matrix:	**Soil**
Collection Date:	**12/5/2024**
Receipt Date:	**12/9/2024**

Phenanthrene	1	**mg/kg**	0.039	0.080
Phenol	1	mg/kg	0.039	ND
Pyrene	1	**mg/kg**	0.039	0.23

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	1	**mg/kg**	23	6700
Antimony	1	**mg/kg**	0.35	0.37
Arsenic	1	**mg/kg**	0.23	3.1
Barium	1	**mg/kg**	0.58	78
Beryllium	1	**mg/kg**	0.12	0.29
Cadmium	1	mg/kg	0.23	ND
Calcium	1	**mg/kg**	120	2300
Chromium	1	**mg/kg**	0.23	22
Cobalt	1	**mg/kg**	0.23	5.6
Copper	1	**mg/kg**	1.2	39
Iron	1	**mg/kg**	35	13000
Lead	1	**mg/kg**	0.35	100
Magnesium	1	**mg/kg**	120	2300
Manganese	1	**mg/kg**	1.2	260
Nickel	1	**mg/kg**	1.2	24
Potassium	1	**mg/kg**	120	920
Selenium	1	**mg/kg**	1.2	1.7
Silver	1	mg/kg	0.23	ND
Sodium	1	mg/kg	120	ND
Thallium	1	mg/kg	0.23	ND
Vanadium	1	**mg/kg**	0.23	21
Zinc	1	**mg/kg**	4.7	100

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.874	mg/kg	0.0020	ND
1,1,2,2-Tetrachloroethane	0.874	mg/kg	0.0020	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.874	mg/kg	0.0020	ND
1,1,2-Trichloroethane	0.874	mg/kg	0.0020	ND
1,1-Dichloroethane	0.874	mg/kg	0.0020	ND
1,1-Dichloroethene	0.874	mg/kg	0.0020	ND
1,2,3-Trichlorobenzene	0.874	mg/kg	0.0020	ND
1,2,4-Trichlorobenzene	0.874	mg/kg	0.0020	ND
1,2-Dibromo-3-chloropropane	0.874	mg/kg	0.0020	ND
1,2-Dibromoethane	0.874	mg/kg	0.0010	ND
1,2-Dichlorobenzene	**0.874**	**mg/kg**	**0.0020**	**0.010**
1,2-Dichloroethane	0.874	mg/kg	0.0020	ND
1,2-Dichloropropane	0.874	mg/kg	0.0020	ND
1,3-Dichlorobenzene	0.874	mg/kg	0.0020	ND
1,3-Dichloropropene (Total)	0.874	mg/kg	0.0020	ND
1,4-Dichlorobenzene	**0.874**	**mg/kg**	**0.0020**	**0.0052**
1,4-Dioxane	0.874	mg/kg	0.10	ND
2-Butanone	**0.874**	**mg/kg**	**0.0020**	**0.070**
2-Hexanone	0.874	mg/kg	0.0020	ND
4-Methyl-2-pentanone	0.874	mg/kg	0.0020	ND
Acetone	**0.874**	**mg/kg**	**0.010**	**0.22**
Benzene	**0.874**	**mg/kg**	**0.0010**	**0.0095**
Bromochloromethane	0.874	mg/kg	0.0020	ND
Bromodichloromethane	0.874	mg/kg	0.0020	ND
Bromoform	0.874	mg/kg	0.0020	ND
Bromomethane	0.874	mg/kg	0.0020	ND

Sample ID:	**SB-09-9.5-10.0'**			**Collection Date:**	**12/5/2024**
Lab#:	**AD48589-002**			**Receipt Date:**	**12/9/2024**
Matrix:	**Soil**				

Carbon disulfide	0.874	mg/kg	0.0051	ND
Carbon tetrachloride	0.874	mg/kg	0.0020	ND
Chlorobenzene	0.874	mg/kg	0.0020	ND
Chloroethane	0.874	mg/kg	0.0020	ND
Chloroform	0.874	mg/kg	0.0020	ND
Chloromethane	0.874	mg/kg	0.0020	ND
cis-1,2-Dichloroethene	**0.874**	**mg/kg**	**0.0020**	**0.017**
cis-1,3-Dichloropropene	0.874	mg/kg	0.0020	ND
Cyclohexane	**0.874**	**mg/kg**	**0.0020**	**0.017**
Dibromochloromethane	0.874	mg/kg	0.0020	ND
Dichlorodifluoromethane	0.874	mg/kg	0.0020	ND
Ethylbenzene	**0.874**	**mg/kg**	**0.0010**	**0.059**
Isopropylbenzene	**0.874**	**mg/kg**	**0.0010**	**0.021**
m&p-Xylenes	**0.874**	**mg/kg**	**0.0014**	**0.21**
Methyl Acetate	0.874	mg/kg	0.0020	ND
Methylcyclohexane	**0.874**	**mg/kg**	**0.0020**	**0.046**
Methylene chloride	0.874	mg/kg	0.0020	ND
Methyl-t-butyl ether	0.874	mg/kg	0.0010	ND
o-Xylene	**0.874**	**mg/kg**	**0.0010**	**0.11**
Styrene	0.874	mg/kg	0.0020	ND
Tetrachloroethene	**0.874**	**mg/kg**	**0.0020**	**0.0038**
Toluene	**0.874**	**mg/kg**	**0.0010**	**0.072**
trans-1,2-Dichloroethene	0.874	mg/kg	0.0020	ND
trans-1,3-Dichloropropene	0.874	mg/kg	0.0020	ND
Trichloroethene	**0.874**	**mg/kg**	**0.0020**	**0.075**
Trichlorofluoromethane	0.874	mg/kg	0.0020	ND
Vinyl chloride	0.874	mg/kg	0.0020	ND
Xylenes (Total)	**0.874**	**mg/kg**	**0.0010**	**0.32**

Sample ID: SB-12-9.5-10.0'
Lab#: AD48589-003
Matrix: Soil

Collection Date: 12/5/2024
Receipt Date: 12/9/2024

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		81

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.10	0.30

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0062	ND
Aldrin	1	mg/kg	0.0062	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0062	ND
delta-BHC	1	mg/kg	0.0062	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0062	ND
Endosulfan II	1	mg/kg	0.0062	ND
Endosulfan Sulfate	1	mg/kg	0.0062	ND
Endrin	1	mg/kg	0.0062	ND
Endrin Aldehyde	1	mg/kg	0.0062	ND
Endrin Ketone	1	mg/kg	0.0062	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0062	ND
Heptachlor Epoxide	1	mg/kg	0.0062	ND
Methoxychlor	1	mg/kg	0.0062	ND
p,p'-DDD	1	mg/kg	0.0031	ND
p,p'-DDE	1	mg/kg	0.0031	ND
p,p'-DDT	1	mg/kg	0.0031	ND
Toxaphene	1	mg/kg	0.031	ND
y-Chlordane	1	mg/kg	0.0062	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.031	ND
Aroclor-1016	1	mg/kg	0.031	ND
Aroclor-1221	1	mg/kg	0.031	ND
Aroclor-1232	1	mg/kg	0.031	ND
Aroclor-1242	1	mg/kg	0.031	ND
Aroclor-1248	1	mg/kg	0.031	ND
Aroclor-1254	1	mg/kg	0.031	ND
Aroclor-1260	1	mg/kg	0.031	ND
Aroclor-1262	1	mg/kg	0.031	ND
Aroclor-1268	1	mg/kg	0.031	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	5	mg/kg	0.21	ND
1,2,4,5-Tetrachlorobenzene	5	mg/kg	0.21	ND
1,4-Dioxane	5	mg/kg	0.21	ND
2,3,4,6-Tetrachlorophenol	5	mg/kg	0.21	ND
2,4,5-Trichlorophenol	5	mg/kg	0.21	ND
2,4,6-Trichlorophenol	5	mg/kg	0.21	ND
2,4-Dichlorophenol	5	mg/kg	0.21	ND
2,4-Dimethylphenol	5	mg/kg	0.21	ND

Sample ID:	**SB-12-9.5-10.0'**
Lab#:	**AD48589-003**
Matrix:	**Soil**
Collection Date:	**12/5/2024**
Receipt Date:	**12/9/2024**

2,4-Dinitrophenol	5	mg/kg	1.0	ND
2,4-Dinitrotoluene	5	mg/kg	0.21	ND
2,6-Dinitrotoluene	5	mg/kg	0.21	ND
2-Chloronaphthalene	5	mg/kg	0.21	ND
2-Chlorophenol	5	mg/kg	0.21	ND
2-Methylnaphthalene	5	mg/kg	0.21	ND
2-Methylphenol	5	mg/kg	0.21	ND
2-Nitroaniline	5	mg/kg	0.21	ND
2-Nitrophenol	5	mg/kg	0.21	ND
3&4-Methylphenol	5	mg/kg	0.21	ND
3,3'-Dichlorobenzidine	5	mg/kg	0.21	ND
3-Nitroaniline	5	mg/kg	0.21	ND
4,6-Dinitro-2-methylphenol	5	mg/kg	1.0	ND
4-Bromophenyl-phenylether	5	mg/kg	0.21	ND
4-Chloro-3-methylphenol	5	mg/kg	0.21	ND
4-Chloroaniline	5	mg/kg	0.21	ND
4-Chlorophenyl-phenylether	5	mg/kg	0.21	ND
4-Nitroaniline	5	mg/kg	0.21	ND
4-Nitrophenol	5	mg/kg	0.21	ND
Acenaphthene	5	mg/kg	0.21	ND
Acenaphthylene	5	mg/kg	0.21	ND
Acetophenone	5	mg/kg	0.21	ND
Anthracene	5	mg/kg	0.21	ND
Atrazine	5	mg/kg	0.21	ND
Benzaldehyde	5	mg/kg	0.21	ND
Benzo[a]anthracene	**5**	**mg/kg**	**0.21**	**1.3**
Benzo[a]pyrene	**5**	**mg/kg**	**0.21**	**1.2**
Benzo[b]fluoranthene	**5**	**mg/kg**	**0.21**	**1.6**
Benzo[g,h,i]perylene	**5**	**mg/kg**	**0.21**	**0.81**
Benzo[k]fluoranthene	**5**	**mg/kg**	**0.21**	**0.52**
bis(2-Chloroethoxy)methane	5	mg/kg	0.21	ND
bis(2-Chloroethyl)ether	5	mg/kg	0.078	ND
bis(2-Chloroisopropyl)ether	5	mg/kg	0.21	ND
bis(2-Ethylhexyl)phthalate	5	mg/kg	0.21	ND
Butylbenzylphthalate	5	mg/kg	0.21	ND
Caprolactam	5	mg/kg	0.21	ND
Carbazole	5	mg/kg	0.21	ND
Chrysene	**5**	**mg/kg**	**0.21**	**1.2**
Dibenzo[a,h]anthracene	5	mg/kg	0.21	ND
Dibenzofuran	5	mg/kg	0.21	ND
Diethylphthalate	5	mg/kg	0.21	ND
Dimethylphthalate	5	mg/kg	0.21	ND
Di-n-butylphthalate	5	mg/kg	1.0	ND
Di-n-octylphthalate	5	mg/kg	0.21	ND
Fluoranthene	**5**	**mg/kg**	**0.21**	**2.0**
Fluorene	5	mg/kg	0.21	ND
Hexachlorobenzene	5	mg/kg	0.21	ND
Hexachlorobutadiene	5	mg/kg	0.21	ND
Hexachlorocyclopentadiene	5	mg/kg	1.0	ND
Hexachloroethane	5	mg/kg	0.21	ND
Indeno[1,2,3-cd]pyrene	**5**	**mg/kg**	**0.21**	**0.90**
Isophorone	5	mg/kg	0.21	ND
Naphthalene	5	mg/kg	0.21	ND
Nitrobenzene	5	mg/kg	0.21	ND
N-Nitroso-di-n-propylamine	5	mg/kg	0.21	ND
N-Nitrosodiphenylamine	5	mg/kg	0.21	ND
Pentachlorophenol	5	mg/kg	1.0	ND

Sample ID: SB-12-9.5-10.0' **Collection Date:** 12/5/2024
Lab#: AD48589-003 **Receipt Date:** 12/9/2024
Matrix: Soil

Phenanthrene	**5**	**mg/kg**	**0.21**	**0.54**
Phenol	5	mg/kg	0.21	ND
Pyrene	**5**	**mg/kg**	**0.21**	**2.4**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**25**	**6800**
Antimony	**1**	**mg/kg**	**0.37**	**0.50**
Arsenic	**1**	**mg/kg**	**0.25**	**4.0**
Barium	**1**	**mg/kg**	**0.62**	**110**
Beryllium	**1**	**mg/kg**	**0.12**	**0.31**
Cadmium	**1**	**mg/kg**	**0.25**	**0.39**
Calcium	**1**	**mg/kg**	**120**	**4700**
Chromium	**1**	**mg/kg**	**0.25**	**19**
Cobalt	**1**	**mg/kg**	**0.25**	**5.2**
Copper	**1**	**mg/kg**	**1.2**	**60**
Iron	**1**	**mg/kg**	**37**	**14000**
Lead	**1**	**mg/kg**	**0.37**	**170**
Magnesium	**1**	**mg/kg**	**120**	**2400**
Manganese	**1**	**mg/kg**	**1.2**	**290**
Nickel	**1**	**mg/kg**	**1.2**	**16**
Potassium	**1**	**mg/kg**	**120**	**1100**
Selenium	**1**	**mg/kg**	**1.2**	**1.8**
Silver	**1**	**mg/kg**	**0.25**	**0.27**
Sodium	1	mg/kg	120	ND
Thallium	1	mg/kg	0.25	ND
Vanadium	**1**	**mg/kg**	**0.25**	**21**
Zinc	**1**	**mg/kg**	**4.9**	**290**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.994	mg/kg	0.0025	ND
1,1,2,2-Tetrachloroethane	0.994	mg/kg	0.0025	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.994	mg/kg	0.0025	ND
1,1,2-Trichloroethane	0.994	mg/kg	0.0025	ND
1,1-Dichloroethane	0.994	mg/kg	0.0025	ND
1,1-Dichloroethene	0.994	mg/kg	0.0025	ND
1,2,3-Trichlorobenzene	0.994	mg/kg	0.0025	ND
1,2,4-Trichlorobenzene	0.994	mg/kg	0.0025	ND
1,2-Dibromo-3-chloropropane	0.994	mg/kg	0.0025	ND
1,2-Dibromoethane	0.994	mg/kg	0.0012	ND
1,2-Dichlorobenzene	0.994	mg/kg	0.0025	ND
1,2-Dichloroethane	0.994	mg/kg	0.0025	ND
1,2-Dichloropropane	0.994	mg/kg	0.0025	ND
1,3-Dichlorobenzene	0.994	mg/kg	0.0025	ND
1,3-Dichloropropene (Total)	0.994	mg/kg	0.0025	ND
1,4-Dichlorobenzene	0.994	mg/kg	0.0025	ND
1,4-Dioxane	0.994	mg/kg	0.12	ND
2-Butanone	**0.994**	**mg/kg**	**0.0025**	**0.0040**
2-Hexanone	0.994	mg/kg	0.0025	ND
4-Methyl-2-pentanone	0.994	mg/kg	0.0025	ND
Acetone	**0.994**	**mg/kg**	**0.012**	**0.045**
Benzene	0.994	mg/kg	0.0012	ND
Bromochloromethane	0.994	mg/kg	0.0025	ND
Bromodichloromethane	0.994	mg/kg	0.0025	ND
Bromoform	0.994	mg/kg	0.0025	ND
Bromomethane	0.994	mg/kg	0.0025	ND

Sample ID:	**SB-12-9.5-10.0'**
Lab#:	**AD48589-003**
Matrix:	**Soil**
Collection Date:	**12/5/2024**
Receipt Date:	**12/9/2024**

Carbon disulfide	0.994	mg/kg	0.0061	ND
Carbon tetrachloride	0.994	mg/kg	0.0025	ND
Chlorobenzene	0.994	mg/kg	0.0025	ND
Chloroethane	0.994	mg/kg	0.0025	ND
Chloroform	0.994	mg/kg	0.0025	ND
Chloromethane	0.994	mg/kg	0.0025	ND
cis-1,2-Dichloroethene	0.994	mg/kg	0.0025	ND
cis-1,3-Dichloropropene	0.994	mg/kg	0.0025	ND
Cyclohexane	0.994	mg/kg	0.0025	ND
Dibromochloromethane	0.994	mg/kg	0.0025	ND
Dichlorodifluoromethane	0.994	mg/kg	0.0025	ND
Ethylbenzene	0.994	mg/kg	0.0012	ND
Isopropylbenzene	0.994	mg/kg	0.0012	ND
m&p-Xylenes	0.994	mg/kg	0.0017	ND
Methyl Acetate	0.994	mg/kg	0.0025	ND
Methylcyclohexane	0.994	mg/kg	0.0025	ND
Methylene chloride	**0.994**	**mg/kg**	**0.0025**	**0.021**
Methyl-t-butyl ether	0.994	mg/kg	0.0012	ND
o-Xylene	0.994	mg/kg	0.0012	ND
Styrene	0.994	mg/kg	0.0025	ND
Tetrachloroethene	0.994	mg/kg	0.0025	ND
Toluene	0.994	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	0.994	mg/kg	0.0025	ND
trans-1,3-Dichloropropene	0.994	mg/kg	0.0025	ND
Trichloroethene	0.994	mg/kg	0.0025	ND
Trichlorofluoromethane	0.994	mg/kg	0.0025	ND
Vinyl chloride	0.994	mg/kg	0.0025	ND
Xylenes (Total)	0.994	mg/kg	0.0012	ND

Sample ID: SB-13-9.5-10.0'	**Collection Date:** 12/5/2024
Lab#: AD48589-004	**Receipt Date:** 12/9/2024
Matrix: Soil	

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		86

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.091	0.64

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0058	ND
Aldrin	1	mg/kg	0.0058	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0058	ND
delta-BHC	1	mg/kg	0.0058	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0058	ND
Endosulfan II	1	mg/kg	0.0058	ND
Endosulfan Sulfate	1	mg/kg	0.0058	ND
Endrin	1	mg/kg	0.0058	ND
Endrin Aldehyde	1	mg/kg	0.0058	ND
Endrin Ketone	1	mg/kg	0.0058	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0058	ND
Heptachlor Epoxide	1	mg/kg	0.0058	ND
Methoxychlor	1	mg/kg	0.0058	ND
p,p'-DDD	1	mg/kg	0.0029	ND
p,p'-DDE	1	mg/kg	0.0029	ND
p,p'-DDT	1	mg/kg	0.0029	ND
Toxaphene	1	mg/kg	0.029	ND
y-Chlordane	1	mg/kg	0.0058	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	0.055
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	0.055
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.039	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.039	ND
1,4-Dioxane	1	mg/kg	0.039	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.039	ND
2,4,5-Trichlorophenol	1	mg/kg	0.039	ND
2,4,6-Trichlorophenol	1	mg/kg	0.039	ND
2,4-Dichlorophenol	1	mg/kg	0.039	ND
2,4-Dimethylphenol	1	mg/kg	0.039	ND

Sample ID:	**SB-13-9.5-10.0'**
Lab#:	**AD48589-004**
Matrix:	**Soil**
Collection Date:	**12/5/2024**
Receipt Date:	**12/9/2024**

2,4-Dinitrophenol	1	mg/kg	0.19	ND
2,4-Dinitrotoluene	1	mg/kg	0.039	ND
2,6-Dinitrotoluene	1	mg/kg	0.039	ND
2-Chloronaphthalene	1	mg/kg	0.039	ND
2-Chlorophenol	1	mg/kg	0.039	ND
2-Methylnaphthalene	1	mg/kg	0.039	ND
2-Methylphenol	1	mg/kg	0.039	ND
2-Nitroaniline	1	mg/kg	0.039	ND
2-Nitrophenol	1	mg/kg	0.039	ND
3&4-Methylphenol	1	mg/kg	0.039	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.039	ND
3-Nitroaniline	1	mg/kg	0.039	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.19	ND
4-Bromophenyl-phenylether	1	mg/kg	0.039	ND
4-Chloro-3-methylphenol	1	mg/kg	0.039	ND
4-Chloroaniline	1	mg/kg	0.039	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.039	ND
4-Nitroaniline	1	mg/kg	0.039	ND
4-Nitrophenol	1	mg/kg	0.039	ND
Acenaphthene	1	mg/kg	0.039	ND
Acenaphthylene	1	mg/kg	0.039	ND
Acetophenone	1	mg/kg	0.039	ND
Anthracene	1	mg/kg	0.039	ND
Atrazine	1	mg/kg	0.039	ND
Benzaldehyde	1	mg/kg	0.039	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.039**	**0.17**
Benzo[a]pyrene	**1**	**mg/kg**	**0.039**	**0.20**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.039**	**0.26**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.039**	**0.16**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.039**	**0.087**
bis(2-Chloroethoxy)methane	1	mg/kg	0.039	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.015	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.039	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.039	ND
Butylbenzylphthalate	1	mg/kg	0.039	ND
Caprolactam	1	mg/kg	0.039	ND
Carbazole	1	mg/kg	0.039	ND
Chrysene	**1**	**mg/kg**	**0.039**	**0.19**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.039**	**0.039**
Dibenzofuran	1	mg/kg	0.039	ND
Diethylphthalate	1	mg/kg	0.039	ND
Dimethylphthalate	1	mg/kg	0.039	ND
Di-n-butylphthalate	1	mg/kg	0.19	ND
Di-n-octylphthalate	1	mg/kg	0.039	ND
Fluoranthene	**1**	**mg/kg**	**0.039**	**0.26**
Fluorene	1	mg/kg	0.039	ND
Hexachlorobenzene	1	mg/kg	0.039	ND
Hexachlorobutadiene	1	mg/kg	0.039	ND
Hexachlorocyclopentadiene	1	mg/kg	0.19	ND
Hexachloroethane	1	mg/kg	0.039	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.039**	**0.17**
Isophorone	1	mg/kg	0.039	ND
Naphthalene	1	mg/kg	0.039	ND
Nitrobenzene	1	mg/kg	0.039	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.039	ND
N-Nitrosodiphenylamine	1	mg/kg	0.039	ND
Pentachlorophenol	1	mg/kg	0.19	ND

Sample ID:	**SB-13-9.5-10.0'**
Lab#:	**AD48589-004**
Matrix:	**Soil**
Collection Date:	**12/5/2024**
Receipt Date:	**12/9/2024**

Phenanthrene	1	**mg/kg**	0.039	0.11
Phenol	1	mg/kg	0.039	ND
Pyrene	1	**mg/kg**	0.039	0.29

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	1	**mg/kg**	23	5900
Antimony	1	**mg/kg**	0.35	0.66
Arsenic	1	**mg/kg**	0.23	7.1
Barium	1	**mg/kg**	0.58	100
Beryllium	1	**mg/kg**	0.12	0.43
Cadmium	1	**mg/kg**	0.23	0.64
Calcium	1	**mg/kg**	120	2200
Chromium	1	**mg/kg**	0.23	16
Cobalt	1	**mg/kg**	0.23	5.3
Copper	1	**mg/kg**	1.2	67
Iron	1	**mg/kg**	35	15000
Lead	1	**mg/kg**	0.35	160
Magnesium	1	**mg/kg**	120	1400
Manganese	1	**mg/kg**	1.2	190
Nickel	1	**mg/kg**	1.2	14
Potassium	1	**mg/kg**	120	710
Selenium	1	**mg/kg**	1.2	2.7
Silver	1	mg/kg	0.23	ND
Sodium	1	mg/kg	120	ND
Thallium	1	mg/kg	0.23	ND
Vanadium	1	**mg/kg**	0.23	19
Zinc	1	**mg/kg**	4.7	150

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.975	mg/kg	0.0023	ND
1,1,2,2-Tetrachloroethane	0.975	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.975	mg/kg	0.0023	ND
1,1,2-Trichloroethane	0.975	mg/kg	0.0023	ND
1,1-Dichloroethane	0.975	mg/kg	0.0023	ND
1,1-Dichloroethene	0.975	mg/kg	0.0023	ND
1,2,3-Trichlorobenzene	0.975	mg/kg	0.0023	ND
1,2,4-Trichlorobenzene	0.975	mg/kg	0.0023	ND
1,2-Dibromo-3-chloropropane	0.975	mg/kg	0.0023	ND
1,2-Dibromoethane	0.975	mg/kg	0.0011	ND
1,2-Dichlorobenzene	0.975	mg/kg	0.0023	ND
1,2-Dichloroethane	0.975	mg/kg	0.0023	ND
1,2-Dichloropropane	0.975	mg/kg	0.0023	ND
1,3-Dichlorobenzene	0.975	mg/kg	0.0023	ND
1,3-Dichloropropene (Total)	0.975	mg/kg	0.0023	ND
1,4-Dichlorobenzene	0.975	mg/kg	0.0023	ND
1,4-Dioxane	0.975	mg/kg	0.11	ND
2-Butanone	**0.975**	**mg/kg**	**0.0023**	**0.0047**
2-Hexanone	0.975	mg/kg	0.0023	ND
4-Methyl-2-pentanone	0.975	mg/kg	0.0023	ND
Acetone	**0.975**	**mg/kg**	**0.011**	**0.040**
Benzene	0.975	mg/kg	0.0011	ND
Bromochloromethane	0.975	mg/kg	0.0023	ND
Bromodichloromethane	0.975	mg/kg	0.0023	ND
Bromoform	0.975	mg/kg	0.0023	ND
Bromomethane	0.975	mg/kg	0.0023	ND

Sample ID: SB-13-9.5-10.0' **Collection Date:** 12/5/2024
Lab#: AD48589-004 **Receipt Date:** 12/9/2024
Matrix: Soil

Carbon disulfide	0.975	mg/kg	0.0057	ND
Carbon tetrachloride	0.975	mg/kg	0.0023	ND
Chlorobenzene	0.975	mg/kg	0.0023	ND
Chloroethane	0.975	mg/kg	0.0023	ND
Chloroform	0.975	mg/kg	0.0023	ND
Chloromethane	0.975	mg/kg	0.0023	ND
cis-1,2-Dichloroethene	0.975	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	0.975	mg/kg	0.0023	ND
Cyclohexane	0.975	mg/kg	0.0023	ND
Dibromochloromethane	0.975	mg/kg	0.0023	ND
Dichlorodifluoromethane	0.975	mg/kg	0.0023	ND
Ethylbenzene	0.975	mg/kg	0.0011	ND
Isopropylbenzene	0.975	mg/kg	0.0011	ND
m&p-Xylenes	0.975	mg/kg	0.0016	ND
Methyl Acetate	0.975	mg/kg	0.0023	ND
Methylcyclohexane	0.975	mg/kg	0.0023	ND
Methylene chloride	**0.975**	**mg/kg**	**0.0023**	**0.0084**
Methyl-t-butyl ether	0.975	mg/kg	0.0011	ND
o-Xylene	0.975	mg/kg	0.0011	ND
Styrene	0.975	mg/kg	0.0023	ND
Tetrachloroethene	0.975	mg/kg	0.0023	ND
Toluene	0.975	mg/kg	0.0011	ND
trans-1,2-Dichloroethene	0.975	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	0.975	mg/kg	0.0023	ND
Trichloroethene	0.975	mg/kg	0.0023	ND
Trichlorofluoromethane	0.975	mg/kg	0.0023	ND
Vinyl chloride	0.975	mg/kg	0.0023	ND
Xylenes (Total)	0.975	mg/kg	0.0011	ND

Sample ID: SB-18-7.5-8.0'
Lab#: AD48589-005
Matrix: Soil

Collection Date: 12/5/2024
Receipt Date: 12/9/2024

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		78

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.11	0.77

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0064	ND
Aldrin	1	mg/kg	0.0064	ND
Alpha-BHC	1	mg/kg	0.0013	ND
beta-BHC	1	mg/kg	0.0013	ND
Chlordane (Total)	1	mg/kg	0.0064	ND
delta-BHC	1	mg/kg	0.0064	ND
Dieldrin	1	mg/kg	0.0013	ND
Endosulfan I	1	mg/kg	0.0064	ND
Endosulfan II	1	mg/kg	0.0064	ND
Endosulfan Sulfate	1	mg/kg	0.0064	ND
Endrin	1	mg/kg	0.0064	ND
Endrin Aldehyde	1	mg/kg	0.0064	ND
Endrin Ketone	1	mg/kg	0.0064	ND
gamma-BHC	1	mg/kg	0.0013	ND
Heptachlor	1	mg/kg	0.0064	ND
Heptachlor Epoxide	1	mg/kg	0.0064	ND
Methoxychlor	1	mg/kg	0.0064	ND
p,p'-DDD	1	mg/kg	0.0032	ND
p,p'-DDE	1	mg/kg	0.0032	ND
p,p'-DDT	1	mg/kg	0.0032	ND
Toxaphene	1	mg/kg	0.032	ND
y-Chlordane	1	mg/kg	0.0064	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.032	ND
Aroclor-1016	1	mg/kg	0.032	ND
Aroclor-1221	1	mg/kg	0.032	ND
Aroclor-1232	1	mg/kg	0.032	ND
Aroclor-1242	1	mg/kg	0.032	ND
Aroclor-1248	1	mg/kg	0.032	ND
Aroclor-1254	1	mg/kg	0.032	ND
Aroclor-1260	1	mg/kg	0.032	ND
Aroclor-1262	1	mg/kg	0.032	ND
Aroclor-1268	1	mg/kg	0.032	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.26	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.26	ND
1,4-Dioxane	3	mg/kg	0.26	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.26	ND
2,4,5-Trichlorophenol	3	mg/kg	0.26	ND
2,4,6-Trichlorophenol	3	mg/kg	0.26	ND
2,4-Dichlorophenol	3	mg/kg	0.26	ND
2,4-Dimethylphenol	3	mg/kg	0.26	ND

Sample ID:	**SB-18-7.5-8.0'**
Lab#:	**AD48589-005**
Matrix:	**Soil**
Collection Date:	**12/5/2024**
Receipt Date:	**12/9/2024**

2,4-Dinitrophenol	3	mg/kg	1.3	ND
2,4-Dinitrotoluene	3	mg/kg	0.26	ND
2,6-Dinitrotoluene	3	mg/kg	0.26	ND
2-Chloronaphthalene	3	mg/kg	0.26	ND
2-Chlorophenol	3	mg/kg	0.26	ND
2-Methylnaphthalene	3	mg/kg	0.26	ND
2-Methylphenol	3	mg/kg	0.26	ND
2-Nitroaniline	3	mg/kg	0.26	ND
2-Nitrophenol	3	mg/kg	0.26	ND
3&4-Methylphenol	3	mg/kg	0.26	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.26	ND
3-Nitroaniline	3	mg/kg	0.26	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	1.3	ND
4-Bromophenyl-phenylether	3	mg/kg	0.26	ND
4-Chloro-3-methylphenol	3	mg/kg	0.26	ND
4-Chloroaniline	3	mg/kg	0.26	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.26	ND
4-Nitroaniline	3	mg/kg	0.26	ND
4-Nitrophenol	3	mg/kg	0.26	ND
Acenaphthene	3	mg/kg	0.26	ND
Acenaphthylene	3	mg/kg	0.26	ND
Acetophenone	3	mg/kg	0.26	ND
Anthracene	3	mg/kg	0.26	ND
Atrazine	3	mg/kg	0.26	ND
Benzaldehyde	3	mg/kg	0.26	ND
Benzo[a]anthracene	**3**	**mg/kg**	**0.26**	**0.44**
Benzo[a]pyrene	**3**	**mg/kg**	**0.26**	**0.54**
Benzo[b]fluoranthene	**3**	**mg/kg**	**0.26**	**0.66**
Benzo[g,h,i]perylene	**3**	**mg/kg**	**0.26**	**0.39**
Benzo[k]fluoranthene	3	mg/kg	0.26	ND
bis(2-Chloroethoxy)methane	3	mg/kg	0.26	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.098	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.26	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.26	ND
Butylbenzylphthalate	3	mg/kg	0.26	ND
Caprolactam	3	mg/kg	0.26	ND
Carbazole	3	mg/kg	0.26	ND
Chrysene	**3**	**mg/kg**	**0.26**	**0.44**
Dibenzo[a,h]anthracene	3	mg/kg	0.26	ND
Dibenzofuran	3	mg/kg	0.26	ND
Diethylphthalate	3	mg/kg	0.26	ND
Dimethylphthalate	3	mg/kg	0.26	ND
Di-n-butylphthalate	3	mg/kg	1.3	ND
Di-n-octylphthalate	3	mg/kg	0.26	ND
Fluoranthene	**3**	**mg/kg**	**0.26**	**0.57**
Fluorene	3	mg/kg	0.26	ND
Hexachlorobenzene	3	mg/kg	0.26	ND
Hexachlorobutadiene	3	mg/kg	0.26	ND
Hexachlorocyclopentadiene	3	mg/kg	1.3	ND
Hexachloroethane	3	mg/kg	0.26	ND
Indeno[1,2,3-cd]pyrene	**3**	**mg/kg**	**0.26**	**0.39**
Isophorone	3	mg/kg	0.26	ND
Naphthalene	3	mg/kg	0.26	ND
Nitrobenzene	3	mg/kg	0.26	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.26	ND
N-Nitrosodiphenylamine	3	mg/kg	0.26	ND
Pentachlorophenol	3	mg/kg	1.3	ND

Sample ID: SB-18-7.5-8.0' **Collection Date:** 12/5/2024
Lab#: AD48589-005 **Receipt Date:** 12/9/2024
Matrix: Soil

Phenanthrene	**3**	**mg/kg**	**0.26**	**0.26**
Phenol	3	mg/kg	0.26	ND
Pyrene	**3**	**mg/kg**	**0.26**	**0.62**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**26**	**8100**
Antimony	**1**	**mg/kg**	**0.38**	**0.75**
Arsenic	**1**	**mg/kg**	**0.26**	**6.3**
Barium	**1**	**mg/kg**	**0.64**	**170**
Beryllium	**1**	**mg/kg**	**0.13**	**0.35**
Cadmium	**1**	**mg/kg**	**0.26**	**0.75**
Calcium	**1**	**mg/kg**	**130**	**4900**
Chromium	**1**	**mg/kg**	**0.26**	**24**
Cobalt	**1**	**mg/kg**	**0.26**	**5.3**
Copper	**1**	**mg/kg**	**1.3**	**95**
Iron	**1**	**mg/kg**	**38**	**18000**
Lead	**1**	**mg/kg**	**0.38**	**260**
Magnesium	**1**	**mg/kg**	**130**	**2700**
Manganese	**1**	**mg/kg**	**1.3**	**180**
Nickel	**1**	**mg/kg**	**1.3**	**20**
Potassium	**1**	**mg/kg**	**130**	**1500**
Selenium	**1**	**mg/kg**	**1.3**	**2.3**
Silver	**1**	**mg/kg**	**0.26**	**0.32**
Sodium	1	mg/kg	130	ND
Thallium	1	mg/kg	0.26	ND
Vanadium	**1**	**mg/kg**	**0.26**	**31**
Zinc	**1**	**mg/kg**	**5.1**	**250**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.919	mg/kg	0.0024	ND
1,1,2,2-Tetrachloroethane	0.919	mg/kg	0.0024	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.919	mg/kg	0.0024	ND
1,1,2-Trichloroethane	0.919	mg/kg	0.0024	ND
1,1-Dichloroethane	0.919	mg/kg	0.0024	ND
1,1-Dichloroethene	0.919	mg/kg	0.0024	ND
1,2,3-Trichlorobenzene	0.919	mg/kg	0.0024	ND
1,2,4-Trichlorobenzene	0.919	mg/kg	0.0024	ND
1,2-Dibromo-3-chloropropane	0.919	mg/kg	0.0024	ND
1,2-Dibromoethane	0.919	mg/kg	0.0012	ND
1,2-Dichlorobenzene	0.919	mg/kg	0.0024	ND
1,2-Dichloroethane	0.919	mg/kg	0.0024	ND
1,2-Dichloropropane	0.919	mg/kg	0.0024	ND
1,3-Dichlorobenzene	0.919	mg/kg	0.0024	ND
1,3-Dichloropropene (Total)	0.919	mg/kg	0.0024	ND
1,4-Dichlorobenzene	0.919	mg/kg	0.0024	ND
1,4-Dioxane	0.919	mg/kg	0.12	ND
2-Butanone	0.919	mg/kg	0.0024	ND
2-Hexanone	0.919	mg/kg	0.0024	ND
4-Methyl-2-pentanone	0.919	mg/kg	0.0024	ND
Acetone	0.919	mg/kg	0.012	ND
Benzene	0.919	mg/kg	0.0012	ND
Bromochloromethane	0.919	mg/kg	0.0024	ND
Bromodichloromethane	0.919	mg/kg	0.0024	ND
Bromoform	0.919	mg/kg	0.0024	ND
Bromomethane	0.919	mg/kg	0.0024	ND

Sample ID:	**SB-18-7.5-8.0'**
Lab#:	**AD48589-005**
Matrix:	**Soil**
Collection Date:	**12/5/2024**
Receipt Date:	**12/9/2024**

Carbon disulfide	0.919	mg/kg	0.0059	ND
Carbon tetrachloride	0.919	mg/kg	0.0024	ND
Chlorobenzene	0.919	mg/kg	0.0024	ND
Chloroethane	0.919	mg/kg	0.0024	ND
Chloroform	0.919	mg/kg	0.0024	ND
Chloromethane	0.919	mg/kg	0.0024	ND
cis-1,2-Dichloroethene	0.919	mg/kg	0.0024	ND
cis-1,3-Dichloropropene	0.919	mg/kg	0.0024	ND
Cyclohexane	0.919	mg/kg	0.0024	ND
Dibromochloromethane	0.919	mg/kg	0.0024	ND
Dichlorodifluoromethane	0.919	mg/kg	0.0024	ND
Ethylbenzene	0.919	mg/kg	0.0012	ND
Isopropylbenzene	0.919	mg/kg	0.0012	ND
m&p-Xylenes	0.919	mg/kg	0.0016	ND
Methyl Acetate	0.919	mg/kg	0.0024	ND
Methylcyclohexane	0.919	mg/kg	0.0024	ND
Methylene chloride	**0.919**	**mg/kg**	**0.0024**	**0.0097**
Methyl-t-butyl ether	0.919	mg/kg	0.0012	ND
o-Xylene	0.919	mg/kg	0.0012	ND
Styrene	0.919	mg/kg	0.0024	ND
Tetrachloroethene	0.919	mg/kg	0.0024	ND
Toluene	0.919	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	0.919	mg/kg	0.0024	ND
trans-1,3-Dichloropropene	0.919	mg/kg	0.0024	ND
Trichloroethene	0.919	mg/kg	0.0024	ND
Trichlorofluoromethane	0.919	mg/kg	0.0024	ND
Vinyl chloride	0.919	mg/kg	0.0024	ND
Xylenes (Total)	0.919	mg/kg	0.0012	ND

Sample ID: SB-21-7.5-8.0' | Collection Date: 12/5/2024
Lab#: AD48589-006 | Receipt Date: 12/9/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		79

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.11	0.50

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0063	ND
Aldrin	1	mg/kg	0.0063	ND
Alpha-BHC	1	mg/kg	0.0013	ND
beta-BHC	1	mg/kg	0.0013	ND
Chlordane (Total)	1	mg/kg	0.0063	ND
delta-BHC	1	mg/kg	0.0063	ND
Dieldrin	1	mg/kg	0.0013	ND
Endosulfan I	1	mg/kg	0.0063	ND
Endosulfan II	1	mg/kg	0.0063	ND
Endosulfan Sulfate	1	mg/kg	0.0063	ND
Endrin	1	mg/kg	0.0063	ND
Endrin Aldehyde	1	mg/kg	0.0063	ND
Endrin Ketone	1	mg/kg	0.0063	ND
gamma-BHC	1	mg/kg	0.0013	ND
Heptachlor	1	mg/kg	0.0063	ND
Heptachlor Epoxide	1	mg/kg	0.0063	ND
Methoxychlor	1	mg/kg	0.0063	ND
p,p'-DDD	1	mg/kg	0.0032	ND
p,p'-DDE	1	mg/kg	0.0032	ND
p,p'-DDT	1	mg/kg	0.0032	ND
Toxaphene	1	mg/kg	0.032	ND
y-Chlordane	1	mg/kg	0.0063	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	**1**	**mg/kg**	**0.032**	**0.19**
Aroclor-1016	1	mg/kg	0.032	ND
Aroclor-1221	1	mg/kg	0.032	ND
Aroclor-1232	1	mg/kg	0.032	ND
Aroclor-1242	1	mg/kg	0.032	ND
Aroclor-1248	1	mg/kg	0.032	ND
Aroclor-1254	**1**	**mg/kg**	**0.032**	**0.094**
Aroclor-1260	1	mg/kg	0.032	ND
Aroclor-1262	1	mg/kg	0.032	ND
Aroclor-1268	**1**	**mg/kg**	**0.032**	**0.10**

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	5	mg/kg	0.21	ND
1,2,4,5-Tetrachlorobenzene	5	mg/kg	0.21	ND
1,4-Dioxane	5	mg/kg	0.21	ND
2,3,4,6-Tetrachlorophenol	5	mg/kg	0.21	ND
2,4,5-Trichlorophenol	5	mg/kg	0.21	ND
2,4,6-Trichlorophenol	5	mg/kg	0.21	ND
2,4-Dichlorophenol	5	mg/kg	0.21	ND
2,4-Dimethylphenol	5	mg/kg	0.21	ND

Sample ID:	**SB-21-7.5-8.0'**
Lab#:	**AD48589-006**
Matrix:	**Soil**
Collection Date:	**12/5/2024**
Receipt Date:	**12/9/2024**

2,4-Dinitrophenol	5	mg/kg	1.1	ND
2,4-Dinitrotoluene	5	mg/kg	0.21	ND
2,6-Dinitrotoluene	5	mg/kg	0.21	ND
2-Chloronaphthalene	5	mg/kg	0.21	ND
2-Chlorophenol	5	mg/kg	0.21	ND
2-Methylnaphthalene	5	mg/kg	0.21	ND
2-Methylphenol	5	mg/kg	0.21	ND
2-Nitroaniline	5	mg/kg	0.21	ND
2-Nitrophenol	5	mg/kg	0.21	ND
3&4-Methylphenol	5	mg/kg	0.21	ND
3,3'-Dichlorobenzidine	5	mg/kg	0.21	ND
3-Nitroaniline	5	mg/kg	0.21	ND
4,6-Dinitro-2-methylphenol	5	mg/kg	1.1	ND
4-Bromophenyl-phenylether	5	mg/kg	0.21	ND
4-Chloro-3-methylphenol	5	mg/kg	0.21	ND
4-Chloroaniline	5	mg/kg	0.21	ND
4-Chlorophenyl-phenylether	5	mg/kg	0.21	ND
4-Nitroaniline	5	mg/kg	0.21	ND
4-Nitrophenol	5	mg/kg	0.21	ND
Acenaphthene	5	mg/kg	0.21	ND
Acenaphthylene	5	mg/kg	0.21	ND
Acetophenone	5	mg/kg	0.21	ND
Anthracene	**5**	**mg/kg**	**0.21**	**0.93**
Atrazine	5	mg/kg	0.21	ND
Benzaldehyde	5	mg/kg	0.21	ND
Benzo[a]anthracene	**5**	**mg/kg**	**0.21**	**2.6**
Benzo[a]pyrene	**5**	**mg/kg**	**0.21**	**1.9**
Benzo[b]fluoranthene	**5**	**mg/kg**	**0.21**	**2.8**
Benzo[g,h,i]perylene	**5**	**mg/kg**	**0.21**	**1.0**
Benzo[k]fluoranthene	**5**	**mg/kg**	**0.21**	**0.77**
bis(2-Chloroethoxy)methane	5	mg/kg	0.21	ND
bis(2-Chloroethyl)ether	5	mg/kg	0.080	ND
bis(2-Chloroisopropyl)ether	5	mg/kg	0.21	ND
bis(2-Ethylhexyl)phthalate	5	mg/kg	0.21	ND
Butylbenzylphthalate	5	mg/kg	0.21	ND
Caprolactam	5	mg/kg	0.21	ND
Carbazole	5	mg/kg	0.21	ND
Chrysene	**5**	**mg/kg**	**0.21**	**2.4**
Dibenzo[a,h]anthracene	**5**	**mg/kg**	**0.21**	**0.40**
Dibenzofuran	5	mg/kg	0.21	ND
Diethylphthalate	5	mg/kg	0.21	ND
Dimethylphthalate	5	mg/kg	0.21	ND
Di-n-butylphthalate	5	mg/kg	1.1	ND
Di-n-octylphthalate	5	mg/kg	0.21	ND
Fluoranthene	**5**	**mg/kg**	**0.21**	**4.3**
Fluorene	**5**	**mg/kg**	**0.21**	**0.33**
Hexachlorobenzene	5	mg/kg	0.21	ND
Hexachlorobutadiene	5	mg/kg	0.21	ND
Hexachlorocyclopentadiene	5	mg/kg	1.1	ND
Hexachloroethane	5	mg/kg	0.21	ND
Indeno[1,2,3-cd]pyrene	**5**	**mg/kg**	**0.21**	**1.3**
Isophorone	5	mg/kg	0.21	ND
Naphthalene	5	mg/kg	0.21	ND
Nitrobenzene	5	mg/kg	0.21	ND
N-Nitroso-di-n-propylamine	5	mg/kg	0.21	ND
N-Nitrosodiphenylamine	5	mg/kg	0.21	ND
Pentachlorophenol	5	mg/kg	1.1	ND

Sample ID:	**SB-21-7.5-8.0'**
Lab#:	**AD48589-006**
Matrix:	**Soil**
Collection Date:	**12/5/2024**
Receipt Date:	**12/9/2024**

Phenanthrene	**5**	**mg/kg**	**0.21**	**1.6**
Phenol	5	mg/kg	0.21	ND
Pyrene	**5**	**mg/kg**	**0.21**	**3.1**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**25**	**5600**
Antimony	**1**	**mg/kg**	**0.38**	**0.83**
Arsenic	**1**	**mg/kg**	**0.25**	**7.5**
Barium	**1**	**mg/kg**	**0.63**	**210**
Beryllium	**1**	**mg/kg**	**0.13**	**0.30**
Cadmium	**1**	**mg/kg**	**0.25**	**1.3**
Calcium	**1**	**mg/kg**	**130**	**5300**
Chromium	**1**	**mg/kg**	**0.25**	**34**
Cobalt	**1**	**mg/kg**	**0.25**	**5.9**
Copper	**1**	**mg/kg**	**1.3**	**66**
Iron	**1**	**mg/kg**	**38**	**23000**
Lead	**1**	**mg/kg**	**0.38**	**300**
Magnesium	**1**	**mg/kg**	**130**	**1800**
Manganese	**1**	**mg/kg**	**1.3**	**300**
Nickel	**1**	**mg/kg**	**1.3**	**17**
Potassium	**1**	**mg/kg**	**130**	**880**
Selenium	**1**	**mg/kg**	**1.3**	**1.7**
Silver	**1**	**mg/kg**	**0.25**	**5.5**
Sodium	1	mg/kg	130	ND
Thallium	1	mg/kg	0.25	ND
Vanadium	**1**	**mg/kg**	**0.25**	**18**
Zinc	**1**	**mg/kg**	**5.1**	**260**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.971	mg/kg	0.0025	ND
1,1,2,2-Tetrachloroethane	0.971	mg/kg	0.0025	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.971	mg/kg	0.0025	ND
1,1,2-Trichloroethane	0.971	mg/kg	0.0025	ND
1,1-Dichloroethane	0.971	mg/kg	0.0025	ND
1,1-Dichloroethene	0.971	mg/kg	0.0025	ND
1,2,3-Trichlorobenzene	0.971	mg/kg	0.0025	ND
1,2,4-Trichlorobenzene	0.971	mg/kg	0.0025	ND
1,2-Dibromo-3-chloropropane	0.971	mg/kg	0.0025	ND
1,2-Dibromoethane	0.971	mg/kg	0.0012	ND
1,2-Dichlorobenzene	0.971	mg/kg	0.0025	ND
1,2-Dichloroethane	0.971	mg/kg	0.0025	ND
1,2-Dichloropropane	0.971	mg/kg	0.0025	ND
1,3-Dichlorobenzene	0.971	mg/kg	0.0025	ND
1,3-Dichloropropene (Total)	0.971	mg/kg	0.0025	ND
1,4-Dichlorobenzene	0.971	mg/kg	0.0025	ND
1,4-Dioxane	0.971	mg/kg	0.12	ND
2-Butanone	**0.971**	**mg/kg**	**0.0025**	**0.025**
2-Hexanone	0.971	mg/kg	0.0025	ND
4-Methyl-2-pentanone	0.971	mg/kg	0.0025	ND
Acetone	**0.971**	**mg/kg**	**0.012**	**0.12**
Benzene	0.971	mg/kg	0.0012	ND
Bromochloromethane	0.971	mg/kg	0.0025	ND
Bromodichloromethane	0.971	mg/kg	0.0025	ND
Bromoform	0.971	mg/kg	0.0025	ND
Bromomethane	0.971	mg/kg	0.0025	ND

Sample ID:	**SB-21-7.5-8.0'**
Lab#:	**AD48589-006**
Matrix:	**Soil**
Collection Date:	**12/5/2024**
Receipt Date:	**12/9/2024**

Carbon disulfide	0.971	mg/kg	0.0061	ND
Carbon tetrachloride	0.971	mg/kg	0.0025	ND
Chlorobenzene	0.971	mg/kg	0.0025	ND
Chloroethane	0.971	mg/kg	0.0025	ND
Chloroform	0.971	mg/kg	0.0025	ND
Chloromethane	0.971	mg/kg	0.0025	ND
cis-1,2-Dichloroethene	0.971	mg/kg	0.0025	ND
cis-1,3-Dichloropropene	0.971	mg/kg	0.0025	ND
Cyclohexane	0.971	mg/kg	0.0025	ND
Dibromochloromethane	0.971	mg/kg	0.0025	ND
Dichlorodifluoromethane	0.971	mg/kg	0.0025	ND
Ethylbenzene	0.971	mg/kg	0.0012	ND
Isopropylbenzene	**0.971**	**mg/kg**	**0.0012**	**0.0014**
m&p-Xylenes	0.971	mg/kg	0.0017	ND
Methyl Acetate	0.971	mg/kg	0.0025	ND
Methylcyclohexane	0.971	mg/kg	0.0025	ND
Methylene chloride	**0.971**	**mg/kg**	**0.0025**	**0.010**
Methyl-t-butyl ether	0.971	mg/kg	0.0012	ND
o-Xylene	0.971	mg/kg	0.0012	ND
Styrene	0.971	mg/kg	0.0025	ND
Tetrachloroethene	0.971	mg/kg	0.0025	ND
Toluene	0.971	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	0.971	mg/kg	0.0025	ND
trans-1,3-Dichloropropene	0.971	mg/kg	0.0025	ND
Trichloroethene	0.971	mg/kg	0.0025	ND
Trichlorofluoromethane	0.971	mg/kg	0.0025	ND
Vinyl chloride	0.971	mg/kg	0.0025	ND
Xylenes (Total)	0.971	mg/kg	0.0012	ND

Sample ID: SB-10-7.5-8.0'
Lab#: AD48589-007
Matrix: Soil

Collection Date: 12/6/2024
Receipt Date: 12/9/2024

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		87

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.096	0.20

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0057	ND
Aldrin	1	mg/kg	0.0057	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane (Total)	1	mg/kg	0.0057	ND
delta-BHC	1	mg/kg	0.0057	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0057	ND
Endosulfan II	1	mg/kg	0.0057	ND
Endosulfan Sulfate	1	mg/kg	0.0057	ND
Endrin	1	mg/kg	0.0057	ND
Endrin Aldehyde	1	mg/kg	0.0057	ND
Endrin Ketone	1	mg/kg	0.0057	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0057	ND
Heptachlor Epoxide	1	mg/kg	0.0057	ND
Methoxychlor	1	mg/kg	0.0057	ND
p,p'-DDD	1	mg/kg	0.0029	ND
p,p'-DDE	1	mg/kg	0.0029	ND
p,p'-DDT	1	mg/kg	0.0029	ND
Toxaphene	1	mg/kg	0.029	ND
y-Chlordane	1	mg/kg	0.0057	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.029	ND
Aroclor-1016	1	mg/kg	0.029	ND
Aroclor-1221	1	mg/kg	0.029	ND
Aroclor-1232	1	mg/kg	0.029	ND
Aroclor-1242	1	mg/kg	0.029	ND
Aroclor-1248	1	mg/kg	0.029	ND
Aroclor-1254	1	mg/kg	0.029	ND
Aroclor-1260	1	mg/kg	0.029	ND
Aroclor-1262	1	mg/kg	0.029	ND
Aroclor-1268	1	mg/kg	0.029	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.038	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.038	ND
1,4-Dioxane	1	mg/kg	0.038	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.038	ND
2,4,5-Trichlorophenol	1	mg/kg	0.038	ND
2,4,6-Trichlorophenol	1	mg/kg	0.038	ND
2,4-Dichlorophenol	1	mg/kg	0.038	ND
2,4-Dimethylphenol	1	mg/kg	0.038	ND

Sample ID: SB-10-7.5-8.0' **Collection Date:** 12/6/2024
Lab#: AD48589-007 **Receipt Date:** 12/9/2024
Matrix: Soil

2,4-Dinitrophenol	1	mg/kg	0.19	ND
2,4-Dinitrotoluene	1	mg/kg	0.038	ND
2,6-Dinitrotoluene	1	mg/kg	0.038	ND
2-Chloronaphthalene	1	mg/kg	0.038	ND
2-Chlorophenol	1	mg/kg	0.038	ND
2-Methylnaphthalene	1	mg/kg	0.038	ND
2-Methylphenol	1	mg/kg	0.038	ND
2-Nitroaniline	1	mg/kg	0.038	ND
2-Nitrophenol	1	mg/kg	0.038	ND
3&4-Methylphenol	1	mg/kg	0.038	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.038	ND
3-Nitroaniline	1	mg/kg	0.038	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.19	ND
4-Bromophenyl-phenylether	1	mg/kg	0.038	ND
4-Chloro-3-methylphenol	1	mg/kg	0.038	ND
4-Chloroaniline	1	mg/kg	0.038	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.038	ND
4-Nitroaniline	1	mg/kg	0.038	ND
4-Nitrophenol	1	mg/kg	0.038	ND
Acenaphthene	1	mg/kg	0.038	ND
Acenaphthylene	1	mg/kg	0.038	ND
Acetophenone	1	mg/kg	0.038	ND
Anthracene	1	mg/kg	0.038	ND
Atrazine	1	mg/kg	0.038	ND
Benzaldehyde	1	mg/kg	0.038	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.038**	**0.14**
Benzo[a]pyrene	**1**	**mg/kg**	**0.038**	**0.13**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.038**	**0.19**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.038**	**0.097**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.038**	**0.058**
bis(2-Chloroethoxy)methane	1	mg/kg	0.038	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.015	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.038	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.038	ND
Butylbenzylphthalate	1	mg/kg	0.038	ND
Caprolactam	1	mg/kg	0.038	ND
Carbazole	1	mg/kg	0.038	ND
Chrysene	**1**	**mg/kg**	**0.038**	**0.14**
Dibenzo[a,h]anthracene	1	mg/kg	0.038	ND
Dibenzofuran	1	mg/kg	0.038	ND
Diethylphthalate	1	mg/kg	0.038	ND
Dimethylphthalate	1	mg/kg	0.038	ND
Di-n-butylphthalate	1	mg/kg	0.19	ND
Di-n-octylphthalate	1	mg/kg	0.038	ND
Fluoranthene	**1**	**mg/kg**	**0.038**	**0.25**
Fluorene	1	mg/kg	0.038	ND
Hexachlorobenzene	1	mg/kg	0.038	ND
Hexachlorobutadiene	1	mg/kg	0.038	ND
Hexachlorocyclopentadiene	1	mg/kg	0.19	ND
Hexachloroethane	1	mg/kg	0.038	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.038**	**0.10**
Isophorone	1	mg/kg	0.038	ND
Naphthalene	1	mg/kg	0.038	ND
Nitrobenzene	1	mg/kg	0.038	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.038	ND
N-Nitrosodiphenylamine	1	mg/kg	0.038	ND
Pentachlorophenol	1	mg/kg	0.19	ND

Sample ID:	**SB-10-7.5-8.0'**
Lab#:	**AD48589-007**
Matrix:	**Soil**
Collection Date:	**12/6/2024**
Receipt Date:	**12/9/2024**

Phenanthrene	1	**mg/kg**	0.038	0.12
Phenol	1	mg/kg	0.038	ND
Pyrene	1	**mg/kg**	0.038	0.20

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	1	**mg/kg**	23	7300
Antimony	1	**mg/kg**	0.34	0.61
Arsenic	1	**mg/kg**	0.23	4.7
Barium	1	**mg/kg**	0.57	91
Beryllium	1	**mg/kg**	0.11	0.31
Cadmium	1	**mg/kg**	0.23	0.26
Calcium	1	**mg/kg**	110	2300
Chromium	1	**mg/kg**	0.23	19
Cobalt	1	**mg/kg**	0.23	4.8
Copper	1	**mg/kg**	1.1	86
Iron	1	**mg/kg**	34	18000
Lead	1	**mg/kg**	0.34	150
Magnesium	1	**mg/kg**	110	1900
Manganese	1	**mg/kg**	1.1	120
Nickel	1	**mg/kg**	1.1	14
Potassium	1	**mg/kg**	110	970
Selenium	1	**mg/kg**	1.1	1.6
Silver	1	mg/kg	0.23	ND
Sodium	1	mg/kg	110	ND
Thallium	1	mg/kg	0.23	ND
Vanadium	1	**mg/kg**	0.23	22
Zinc	1	**mg/kg**	4.6	150

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.842	mg/kg	0.0019	ND
1,1,2,2-Tetrachloroethane	0.842	mg/kg	0.0019	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.842	mg/kg	0.0019	ND
1,1,2-Trichloroethane	0.842	mg/kg	0.0019	ND
1,1-Dichloroethane	0.842	mg/kg	0.0019	ND
1,1-Dichloroethene	0.842	mg/kg	0.0019	ND
1,2,3-Trichlorobenzene	0.842	mg/kg	0.0019	ND
1,2,4-Trichlorobenzene	0.842	mg/kg	0.0019	ND
1,2-Dibromo-3-chloropropane	0.842	mg/kg	0.0019	ND
1,2-Dibromoethane	0.842	mg/kg	0.00097	ND
1,2-Dichlorobenzene	0.842	mg/kg	0.0019	ND
1,2-Dichloroethane	0.842	mg/kg	0.0019	ND
1,2-Dichloropropane	0.842	mg/kg	0.0019	ND
1,3-Dichlorobenzene	0.842	mg/kg	0.0019	ND
1,3-Dichloropropene (Total)	0.842	mg/kg	0.0019	ND
1,4-Dichlorobenzene	0.842	mg/kg	0.0019	ND
1,4-Dioxane	0.842	mg/kg	0.097	ND
2-Butanone	**0.842**	**mg/kg**	**0.0019**	0.015
2-Hexanone	0.842	mg/kg	0.0019	ND
4-Methyl-2-pentanone	0.842	mg/kg	0.0019	ND
Acetone	**0.842**	**mg/kg**	**0.0097**	0.086
Benzene	0.842	mg/kg	0.00097	ND
Bromochloromethane	0.842	mg/kg	0.0019	ND
Bromodichloromethane	0.842	mg/kg	0.0019	ND
Bromoform	0.842	mg/kg	0.0019	ND
Bromomethane	0.842	mg/kg	0.0019	ND

Sample ID: SB-10-7.5-8.0'				Collection Date: 12/6/2024	
Lab#: AD48589-007				Receipt Date: 12/9/2024	
Matrix: Soil					
Carbon disulfide	0.842	mg/kg	0.0048	ND	
Carbon tetrachloride	0.842	mg/kg	0.0019	ND	
Chlorobenzene	0.842	mg/kg	0.0019	ND	
Chloroethane	0.842	mg/kg	0.0019	ND	
Chloroform	0.842	mg/kg	0.0019	ND	
Chloromethane	0.842	mg/kg	0.0019	ND	
cis-1,2-Dichloroethene	0.842	mg/kg	0.0019	ND	
cis-1,3-Dichloropropene	0.842	mg/kg	0.0019	ND	
Cyclohexane	0.842	mg/kg	0.0019	ND	
Dibromochloromethane	0.842	mg/kg	0.0019	ND	
Dichlorodifluoromethane	0.842	mg/kg	0.0019	ND	
Ethylbenzene	0.842	mg/kg	0.00097	ND	
Isopropylbenzene	0.842	mg/kg	0.00097	ND	
m&p-Xylenes	0.842	mg/kg	0.0014	ND	
Methyl Acetate	0.842	mg/kg	0.0019	ND	
Methylcyclohexane	0.842	mg/kg	0.0019	ND	
Methylene chloride	**0.842**	**mg/kg**	**0.0019**	**0.0091**	
Methyl-t-butyl ether	0.842	mg/kg	0.00097	ND	
o-Xylene	0.842	mg/kg	0.00097	ND	
Styrene	0.842	mg/kg	0.0019	ND	
Tetrachloroethene	0.842	mg/kg	0.0019	ND	
Toluene	0.842	mg/kg	0.00097	ND	
trans-1,2-Dichloroethene	0.842	mg/kg	0.0019	ND	
trans-1,3-Dichloropropene	0.842	mg/kg	0.0019	ND	
Trichloroethene	0.842	mg/kg	0.0019	ND	
Trichlorofluoromethane	0.842	mg/kg	0.0019	ND	
Vinyl chloride	0.842	mg/kg	0.0019	ND	
Xylenes (Total)	0.842	mg/kg	0.00097	ND	

Sample ID: SB-11-7.5-8.0'
Lab#: AD48589-008
Matrix: Soil

Collection Date: 12/6/2024
Receipt Date: 12/9/2024

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		73

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.11	0.23

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0068	ND
Aldrin	1	mg/kg	0.0068	ND
Alpha-BHC	1	mg/kg	0.0014	ND
beta-BHC	1	mg/kg	0.0014	ND
Chlordane (Total)	1	mg/kg	0.0068	ND
delta-BHC	1	mg/kg	0.0068	ND
Dieldrin	1	mg/kg	0.0014	ND
Endosulfan I	1	mg/kg	0.0068	ND
Endosulfan II	1	mg/kg	0.0068	ND
Endosulfan Sulfate	1	mg/kg	0.0068	ND
Endrin	1	mg/kg	0.0068	ND
Endrin Aldehyde	1	mg/kg	0.0068	ND
Endrin Ketone	1	mg/kg	0.0068	ND
gamma-BHC	1	mg/kg	0.0014	ND
Heptachlor	1	mg/kg	0.0068	ND
Heptachlor Epoxide	1	mg/kg	0.0068	ND
Methoxychlor	1	mg/kg	0.0068	ND
p,p'-DDD	1	mg/kg	0.0034	ND
p,p'-DDE	1	mg/kg	0.0034	ND
p,p'-DDT	1	mg/kg	0.0034	ND
Toxaphene	1	mg/kg	0.034	ND
y-Chlordane	1	mg/kg	0.0068	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.034	ND
Aroclor-1016	1	mg/kg	0.034	ND
Aroclor-1221	1	mg/kg	0.034	ND
Aroclor-1232	1	mg/kg	0.034	ND
Aroclor-1242	1	mg/kg	0.034	ND
Aroclor-1248	1	mg/kg	0.034	ND
Aroclor-1254	1	mg/kg	0.034	ND
Aroclor-1260	1	mg/kg	0.034	ND
Aroclor-1262	1	mg/kg	0.034	ND
Aroclor-1268	1	mg/kg	0.034	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	3	mg/kg	0.27	ND
1,2,4,5-Tetrachlorobenzene	3	mg/kg	0.27	ND
1,4-Dioxane	3	mg/kg	0.27	ND
2,3,4,6-Tetrachlorophenol	3	mg/kg	0.27	ND
2,4,5-Trichlorophenol	3	mg/kg	0.27	ND
2,4,6-Trichlorophenol	3	mg/kg	0.27	ND
2,4-Dichlorophenol	3	mg/kg	0.27	ND
2,4-Dimethylphenol	3	mg/kg	0.27	ND

Sample ID:	**SB-11-7.5-8.0'**	**Collection Date:**	**12/6/2024**
Lab#:	**AD48589-008**	**Receipt Date:**	**12/9/2024**
Matrix:	**Soil**		

2,4-Dinitrophenol	3	mg/kg	1.4	ND
2,4-Dinitrotoluene	3	mg/kg	0.27	ND
2,6-Dinitrotoluene	3	mg/kg	0.27	ND
2-Chloronaphthalene	3	mg/kg	0.27	ND
2-Chlorophenol	3	mg/kg	0.27	ND
2-Methylnaphthalene	3	mg/kg	0.27	ND
2-Methylphenol	3	mg/kg	0.27	ND
2-Nitroaniline	3	mg/kg	0.27	ND
2-Nitrophenol	3	mg/kg	0.27	ND
3&4-Methylphenol	3	mg/kg	0.27	ND
3,3'-Dichlorobenzidine	3	mg/kg	0.27	ND
3-Nitroaniline	3	mg/kg	0.27	ND
4,6-Dinitro-2-methylphenol	3	mg/kg	1.4	ND
4-Bromophenyl-phenylether	3	mg/kg	0.27	ND
4-Chloro-3-methylphenol	3	mg/kg	0.27	ND
4-Chloroaniline	3	mg/kg	0.27	ND
4-Chlorophenyl-phenylether	3	mg/kg	0.27	ND
4-Nitroaniline	3	mg/kg	0.27	ND
4-Nitrophenol	3	mg/kg	0.27	ND
Acenaphthene	3	mg/kg	0.27	ND
Acenaphthylene	3	mg/kg	0.27	ND
Acetophenone	3	mg/kg	0.27	ND
Anthracene	3	mg/kg	0.27	ND
Atrazine	3	mg/kg	0.27	ND
Benzaldehyde	3	mg/kg	0.27	ND
Benzo[a]anthracene	3	mg/kg	0.27	ND
Benzo[a]pyrene	3	mg/kg	0.27	ND
Benzo[b]fluoranthene	3	mg/kg	0.27	ND
Benzo[g,h,i]perylene	3	mg/kg	0.27	ND
Benzo[k]fluoranthene	3	mg/kg	0.27	ND
bis(2-Chloroethoxy)methane	3	mg/kg	0.27	ND
bis(2-Chloroethyl)ether	3	mg/kg	0.10	ND
bis(2-Chloroisopropyl)ether	3	mg/kg	0.27	ND
bis(2-Ethylhexyl)phthalate	3	mg/kg	0.27	ND
Butylbenzylphthalate	3	mg/kg	0.27	ND
Caprolactam	3	mg/kg	0.27	ND
Carbazole	3	mg/kg	0.27	ND
Chrysene	3	mg/kg	0.27	ND
Dibenzo[a,h]anthracene	3	mg/kg	0.27	ND
Dibenzofuran	3	mg/kg	0.27	ND
Diethylphthalate	3	mg/kg	0.27	ND
Dimethylphthalate	3	mg/kg	0.27	ND
Di-n-butylphthalate	3	mg/kg	1.4	ND
Di-n-octylphthalate	3	mg/kg	0.27	ND
Fluoranthene	3	mg/kg	0.27	ND
Fluorene	3	mg/kg	0.27	ND
Hexachlorobenzene	3	mg/kg	0.27	ND
Hexachlorobutadiene	3	mg/kg	0.27	ND
Hexachlorocyclopentadiene	3	mg/kg	1.4	ND
Hexachloroethane	3	mg/kg	0.27	ND
Indeno[1,2,3-cd]pyrene	3	mg/kg	0.27	ND
Isophorone	3	mg/kg	0.27	ND
Naphthalene	3	mg/kg	0.27	ND
Nitrobenzene	3	mg/kg	0.27	ND
N-Nitroso-di-n-propylamine	3	mg/kg	0.27	ND
N-Nitrosodiphenylamine	3	mg/kg	0.27	ND
Pentachlorophenol	3	mg/kg	1.4	ND

Sample ID:	**SB-11-7.5-8.0'**	**Collection Date:**	**12/6/2024**
Lab#:	**AD48589-008**	**Receipt Date:**	**12/9/2024**
Matrix:	**Soil**		

Phenanthrene	3	mg/kg	0.27	ND
Phenol	3	mg/kg	0.27	ND
Pyrene	3	mg/kg	0.27	ND

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	1	**mg/kg**	27	6200
Antimony	1	**mg/kg**	0.40	0.92
Arsenic	1	**mg/kg**	0.27	4.5
Barium	1	**mg/kg**	0.67	76
Beryllium	1	**mg/kg**	0.13	0.32
Cadmium	1	**mg/kg**	0.27	0.30
Calcium	1	**mg/kg**	130	2000
Chromium	1	**mg/kg**	0.27	16
Cobalt	1	**mg/kg**	0.27	5.3
Copper	1	**mg/kg**	1.3	38
Iron	1	**mg/kg**	40	15000
Lead	1	**mg/kg**	0.40	130
Magnesium	1	**mg/kg**	130	2300
Manganese	1	**mg/kg**	1.3	200
Nickel	1	**mg/kg**	1.3	13
Potassium	1	**mg/kg**	130	1100
Selenium	1	**mg/kg**	1.3	1.8
Silver	1	mg/kg	0.27	ND
Sodium	1	mg/kg	130	ND
Thallium	1	mg/kg	0.27	ND
Vanadium	1	**mg/kg**	0.27	20
Zinc	1	**mg/kg**	5.4	160

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.85	mg/kg	0.0023	ND
1,1,2,2-Tetrachloroethane	0.85	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.85	mg/kg	0.0023	ND
1,1,2-Trichloroethane	0.85	mg/kg	0.0023	ND
1,1-Dichloroethane	0.85	mg/kg	0.0023	ND
1,1-Dichloroethene	0.85	mg/kg	0.0023	ND
1,2,3-Trichlorobenzene	0.85	mg/kg	0.0023	ND
1,2,4-Trichlorobenzene	0.85	mg/kg	0.0023	ND
1,2-Dibromo-3-chloropropane	0.85	mg/kg	0.0023	ND
1,2-Dibromoethane	0.85	mg/kg	0.0012	ND
1,2-Dichlorobenzene	0.85	mg/kg	0.0023	ND
1,2-Dichloroethane	0.85	mg/kg	0.0023	ND
1,2-Dichloropropane	0.85	mg/kg	0.0023	ND
1,3-Dichlorobenzene	0.85	mg/kg	0.0023	ND
1,3-Dichloropropene (Total)	0.85	mg/kg	0.0023	ND
1,4-Dichlorobenzene	0.85	mg/kg	0.0023	ND
1,4-Dioxane	0.85	mg/kg	0.12	ND
2-Butanone	**0.85**	**mg/kg**	**0.0023**	0.0067
2-Hexanone	0.85	mg/kg	0.0023	ND
4-Methyl-2-pentanone	0.85	mg/kg	0.0023	ND
Acetone	**0.85**	**mg/kg**	**0.012**	0.055
Benzene	0.85	mg/kg	0.0012	ND
Bromochloromethane	0.85	mg/kg	0.0023	ND
Bromodichloromethane	0.85	mg/kg	0.0023	ND
Bromoform	0.85	mg/kg	0.0023	ND
Bromomethane	0.85	mg/kg	0.0023	ND

Sample ID:	**SB-11-7.5-8.0'**			**Collection Date:**	**12/6/2024**
Lab#:	**AD48589-008**			**Receipt Date:**	**12/9/2024**
Matrix:	**Soil**				

Carbon disulfide	0.85	mg/kg	0.0058	ND
Carbon tetrachloride	0.85	mg/kg	0.0023	ND
Chlorobenzene	0.85	mg/kg	0.0023	ND
Chloroethane	0.85	mg/kg	0.0023	ND
Chloroform	0.85	mg/kg	0.0023	ND
Chloromethane	0.85	mg/kg	0.0023	ND
cis-1,2-Dichloroethene	0.85	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	0.85	mg/kg	0.0023	ND
Cyclohexane	0.85	mg/kg	0.0023	ND
Dibromochloromethane	0.85	mg/kg	0.0023	ND
Dichlorodifluoromethane	0.85	mg/kg	0.0023	ND
Ethylbenzene	0.85	mg/kg	0.0012	ND
Isopropylbenzene	0.85	mg/kg	0.0012	ND
m&p-Xylenes	0.85	mg/kg	0.0016	ND
Methyl Acetate	0.85	mg/kg	0.0023	ND
Methylcyclohexane	0.85	mg/kg	0.0023	ND
Methylene chloride	**0.85**	**mg/kg**	**0.0023**	**0.012**
Methyl-t-butyl ether	0.85	mg/kg	0.0012	ND
o-Xylene	0.85	mg/kg	0.0012	ND
Styrene	0.85	mg/kg	0.0023	ND
Tetrachloroethene	0.85	mg/kg	0.0023	ND
Toluene	0.85	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	0.85	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	0.85	mg/kg	0.0023	ND
Trichloroethene	0.85	mg/kg	0.0023	ND
Trichlorofluoromethane	0.85	mg/kg	0.0023	ND
Vinyl chloride	0.85	mg/kg	0.0023	ND
Xylenes (Total)	0.85	mg/kg	0.0012	ND

Sample ID: SB-11-7.5-8.0 DUP
Lab#: AD48589-009
Matrix: Soil

Collection Date: 12/6/2024
Receipt Date: 12/9/2024

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		79

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.11	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0063	ND
Aldrin	1	mg/kg	0.0063	ND
Alpha-BHC	1	mg/kg	0.0013	ND
beta-BHC	1	mg/kg	0.0013	ND
Chlordane (Total)	1	mg/kg	0.0063	ND
delta-BHC	1	mg/kg	0.0063	ND
Dieldrin	1	mg/kg	0.0013	ND
Endosulfan I	1	mg/kg	0.0063	ND
Endosulfan II	1	mg/kg	0.0063	ND
Endosulfan Sulfate	1	mg/kg	0.0063	ND
Endrin	1	mg/kg	0.0063	ND
Endrin Aldehyde	1	mg/kg	0.0063	ND
Endrin Ketone	1	mg/kg	0.0063	ND
gamma-BHC	1	mg/kg	0.0013	ND
Heptachlor	1	mg/kg	0.0063	ND
Heptachlor Epoxide	1	mg/kg	0.0063	ND
Methoxychlor	1	mg/kg	0.0063	ND
p,p'-DDD	1	mg/kg	0.0032	ND
p,p'-DDE	1	mg/kg	0.0032	ND
p,p'-DDT	1	mg/kg	0.0032	ND
Toxaphene	1	mg/kg	0.032	ND
y-Chlordane	1	mg/kg	0.0063	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.032	ND
Aroclor-1016	1	mg/kg	0.032	ND
Aroclor-1221	1	mg/kg	0.032	ND
Aroclor-1232	1	mg/kg	0.032	ND
Aroclor-1242	1	mg/kg	0.032	ND
Aroclor-1248	1	mg/kg	0.032	ND
Aroclor-1254	1	mg/kg	0.032	ND
Aroclor-1260	1	mg/kg	0.032	ND
Aroclor-1262	1	mg/kg	0.032	ND
Aroclor-1268	1	mg/kg	0.032	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.042	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.042	ND
1,4-Dioxane	1	mg/kg	0.042	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.042	ND
2,4,5-Trichlorophenol	1	mg/kg	0.042	ND
2,4,6-Trichlorophenol	1	mg/kg	0.042	ND
2,4-Dichlorophenol	1	mg/kg	0.042	ND
2,4-Dimethylphenol	1	mg/kg	0.042	ND

Sample ID:	**SB-11-7.5-8.0 DUP**
Lab#:	**AD48589-009**
Matrix:	**Soil**
Collection Date:	**12/6/2024**
Receipt Date:	**12/9/2024**

2,4-Dinitrophenol	1	mg/kg	0.21	ND
2,4-Dinitrotoluene	1	mg/kg	0.042	ND
2,6-Dinitrotoluene	1	mg/kg	0.042	ND
2-Chloronaphthalene	1	mg/kg	0.042	ND
2-Chlorophenol	1	mg/kg	0.042	ND
2-Methylnaphthalene	1	mg/kg	0.042	ND
2-Methylphenol	1	mg/kg	0.042	ND
2-Nitroaniline	1	mg/kg	0.042	ND
2-Nitrophenol	1	mg/kg	0.042	ND
3&4-Methylphenol	1	mg/kg	0.042	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.042	ND
3-Nitroaniline	1	mg/kg	0.042	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.21	ND
4-Bromophenyl-phenylether	1	mg/kg	0.042	ND
4-Chloro-3-methylphenol	1	mg/kg	0.042	ND
4-Chloroaniline	1	mg/kg	0.042	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.042	ND
4-Nitroaniline	1	mg/kg	0.042	ND
4-Nitrophenol	1	mg/kg	0.042	ND
Acenaphthene	1	mg/kg	0.042	ND
Acenaphthylene	1	mg/kg	0.042	ND
Acetophenone	1	mg/kg	0.042	ND
Anthracene	1	mg/kg	0.042	ND
Atrazine	1	mg/kg	0.042	ND
Benzaldehyde	1	mg/kg	0.042	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.042**	**0.24**
Benzo[a]pyrene	**1**	**mg/kg**	**0.042**	**0.28**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.042**	**0.38**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.042**	**0.21**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.042**	**0.11**
bis(2-Chloroethoxy)methane	1	mg/kg	0.042	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.016	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.042	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.042	ND
Butylbenzylphthalate	1	mg/kg	0.042	ND
Caprolactam	1	mg/kg	0.042	ND
Carbazole	1	mg/kg	0.042	ND
Chrysene	**1**	**mg/kg**	**0.042**	**0.26**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.042**	**0.054**
Dibenzofuran	1	mg/kg	0.042	ND
Diethylphthalate	1	mg/kg	0.042	ND
Dimethylphthalate	1	mg/kg	0.042	ND
Di-n-butylphthalate	1	mg/kg	0.21	ND
Di-n-octylphthalate	1	mg/kg	0.042	ND
Fluoranthene	**1**	**mg/kg**	**0.042**	**0.36**
Fluorene	1	mg/kg	0.042	ND
Hexachlorobenzene	1	mg/kg	0.042	ND
Hexachlorobutadiene	1	mg/kg	0.042	ND
Hexachlorocyclopentadiene	1	mg/kg	0.21	ND
Hexachloroethane	1	mg/kg	0.042	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.042**	**0.23**
Isophorone	1	mg/kg	0.042	ND
Naphthalene	1	mg/kg	0.042	ND
Nitrobenzene	1	mg/kg	0.042	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.042	ND
N-Nitrosodiphenylamine	1	mg/kg	0.042	ND
Pentachlorophenol	1	mg/kg	0.21	ND

Sample ID: SB-11-7.5-8.0 DUP
Lab#: AD48589-009
Matrix: Soil

Collection Date: 12/6/2024
Receipt Date: 12/9/2024

Phenanthrene	1	**mg/kg**	0.042	0.14
Phenol	1	mg/kg	0.042	ND
Pyrene	1	**mg/kg**	0.042	0.32

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	1	**mg/kg**	25	5400
Antimony	1	**mg/kg**	0.38	0.61
Arsenic	1	**mg/kg**	0.25	4.2
Barium	1	**mg/kg**	0.63	85
Beryllium	1	**mg/kg**	0.13	0.29
Cadmium	1	mg/kg	0.25	ND
Calcium	1	**mg/kg**	130	2500
Chromium	1	**mg/kg**	0.25	14
Cobalt	1	**mg/kg**	0.25	4.7
Copper	1	**mg/kg**	1.3	41
Iron	1	**mg/kg**	38	14000
Lead	1	**mg/kg**	0.38	130
Magnesium	1	**mg/kg**	130	1800
Manganese	1	**mg/kg**	1.3	220
Nickel	1	**mg/kg**	1.3	12
Potassium	1	**mg/kg**	130	920
Selenium	1	**mg/kg**	1.3	1.6
Silver	1	mg/kg	0.25	ND
Sodium	1	mg/kg	130	ND
Thallium	1	mg/kg	0.25	ND
Vanadium	1	**mg/kg**	0.25	17
Zinc	1	**mg/kg**	5.1	110

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.911	mg/kg	0.0023	ND
1,1,2,2-Tetrachloroethane	0.911	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.911	mg/kg	0.0023	ND
1,1,2-Trichloroethane	0.911	mg/kg	0.0023	ND
1,1-Dichloroethane	0.911	mg/kg	0.0023	ND
1,1-Dichloroethene	0.911	mg/kg	0.0023	ND
1,2,3-Trichlorobenzene	0.911	mg/kg	0.0023	ND
1,2,4-Trichlorobenzene	0.911	mg/kg	0.0023	ND
1,2-Dibromo-3-chloropropane	0.911	mg/kg	0.0023	ND
1,2-Dibromoethane	0.911	mg/kg	0.0012	ND
1,2-Dichlorobenzene	0.911	mg/kg	0.0023	ND
1,2-Dichloroethane	0.911	mg/kg	0.0023	ND
1,2-Dichloropropane	0.911	mg/kg	0.0023	ND
1,3-Dichlorobenzene	0.911	mg/kg	0.0023	ND
1,3-Dichloropropene (Total)	0.911	mg/kg	0.0023	ND
1,4-Dichlorobenzene	0.911	mg/kg	0.0023	ND
1,4-Dioxane	0.911	mg/kg	0.12	ND
2-Butanone	**0.911**	**mg/kg**	**0.0023**	**0.0069**
2-Hexanone	0.911	mg/kg	0.0023	ND
4-Methyl-2-pentanone	0.911	mg/kg	0.0023	ND
Acetone	**0.911**	**mg/kg**	**0.012**	**0.049**
Benzene	0.911	mg/kg	0.0012	ND
Bromochloromethane	0.911	mg/kg	0.0023	ND
Bromodichloromethane	0.911	mg/kg	0.0023	ND
Bromoform	0.911	mg/kg	0.0023	ND
Bromomethane	0.911	mg/kg	0.0023	ND

Sample ID:	**SB-11-7.5-8.0 DUP**			**Collection Date:**	**12/6/2024**
Lab#:	**AD48589-009**			**Receipt Date:**	**12/9/2024**
Matrix:	**Soil**				

Carbon disulfide	0.911	mg/kg	0.0058	ND
Carbon tetrachloride	0.911	mg/kg	0.0023	ND
Chlorobenzene	0.911	mg/kg	0.0023	ND
Chloroethane	0.911	mg/kg	0.0023	ND
Chloroform	0.911	mg/kg	0.0023	ND
Chloromethane	0.911	mg/kg	0.0023	ND
cis-1,2-Dichloroethene	0.911	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	0.911	mg/kg	0.0023	ND
Cyclohexane	0.911	mg/kg	0.0023	ND
Dibromochloromethane	0.911	mg/kg	0.0023	ND
Dichlorodifluoromethane	0.911	mg/kg	0.0023	ND
Ethylbenzene	0.911	mg/kg	0.0012	ND
Isopropylbenzene	0.911	mg/kg	0.0012	ND
m&p-Xylenes	0.911	mg/kg	0.0016	ND
Methyl Acetate	0.911	mg/kg	0.0023	ND
Methylcyclohexane	0.911	mg/kg	0.0023	ND
Methylene chloride	**0.911**	**mg/kg**	**0.0023**	**0.019**
Methyl-t-butyl ether	0.911	mg/kg	0.0012	ND
o-Xylene	0.911	mg/kg	0.0012	ND
Styrene	0.911	mg/kg	0.0023	ND
Tetrachloroethene	0.911	mg/kg	0.0023	ND
Toluene	0.911	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	0.911	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	0.911	mg/kg	0.0023	ND
Trichloroethene	0.911	mg/kg	0.0023	ND
Trichlorofluoromethane	0.911	mg/kg	0.0023	ND
Vinyl chloride	0.911	mg/kg	0.0023	ND
Xylenes (Total)	0.911	mg/kg	0.0012	ND

Sample ID: SB-17-7.5-8.0'
Lab#: AD48589-010
Matrix: Soil

Collection Date: 12/6/2024
Receipt Date: 12/9/2024

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		83

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.10	1.1

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0060	ND
Aldrin	1	mg/kg	0.0060	ND
Alpha-BHC	1	mg/kg	0.0012	ND
beta-BHC	1	mg/kg	0.0012	ND
Chlordane (Total)	1	mg/kg	0.0060	ND
delta-BHC	1	mg/kg	0.0060	ND
Dieldrin	1	mg/kg	0.0012	ND
Endosulfan I	1	mg/kg	0.0060	ND
Endosulfan II	1	mg/kg	0.0060	ND
Endosulfan Sulfate	1	mg/kg	0.0060	ND
Endrin	1	mg/kg	0.0060	ND
Endrin Aldehyde	1	mg/kg	0.0060	ND
Endrin Ketone	1	mg/kg	0.0060	ND
gamma-BHC	1	mg/kg	0.0012	ND
Heptachlor	1	mg/kg	0.0060	ND
Heptachlor Epoxide	1	mg/kg	0.0060	ND
Methoxychlor	1	mg/kg	0.0060	ND
p,p'-DDD	1	mg/kg	0.0030	ND
p,p'-DDE	1	mg/kg	0.0030	ND
p,p'-DDT	1	mg/kg	0.0030	ND
Toxaphene	1	mg/kg	0.030	ND
y-Chlordane	1	mg/kg	0.0060	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.030	ND
Aroclor-1016	1	mg/kg	0.030	ND
Aroclor-1221	1	mg/kg	0.030	ND
Aroclor-1232	1	mg/kg	0.030	ND
Aroclor-1242	1	mg/kg	0.030	ND
Aroclor-1248	1	mg/kg	0.030	ND
Aroclor-1254	1	mg/kg	0.030	ND
Aroclor-1260	1	mg/kg	0.030	ND
Aroclor-1262	1	mg/kg	0.030	ND
Aroclor-1268	1	mg/kg	0.030	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	mg/kg	0.040	ND
1,2,4,5-Tetrachlorobenzene	1	mg/kg	0.040	ND
1,4-Dioxane	1	mg/kg	0.040	ND
2,3,4,6-Tetrachlorophenol	1	mg/kg	0.040	ND
2,4,5-Trichlorophenol	1	mg/kg	0.040	ND
2,4,6-Trichlorophenol	1	mg/kg	0.040	ND
2,4-Dichlorophenol	1	mg/kg	0.040	ND
2,4-Dimethylphenol	1	mg/kg	0.040	ND

Sample ID:	**SB-17-7.5-8.0'**
Lab#:	**AD48589-010**
Matrix:	**Soil**
Collection Date:	**12/6/2024**
Receipt Date:	**12/9/2024**

2,4-Dinitrophenol	1	mg/kg	0.20	ND
2,4-Dinitrotoluene	1	mg/kg	0.040	ND
2,6-Dinitrotoluene	1	mg/kg	0.040	ND
2-Chloronaphthalene	1	mg/kg	0.040	ND
2-Chlorophenol	1	mg/kg	0.040	ND
2-Methylnaphthalene	1	mg/kg	0.040	ND
2-Methylphenol	1	mg/kg	0.040	ND
2-Nitroaniline	1	mg/kg	0.040	ND
2-Nitrophenol	1	mg/kg	0.040	ND
3&4-Methylphenol	1	mg/kg	0.040	ND
3,3'-Dichlorobenzidine	1	mg/kg	0.040	ND
3-Nitroaniline	1	mg/kg	0.040	ND
4,6-Dinitro-2-methylphenol	1	mg/kg	0.20	ND
4-Bromophenyl-phenylether	1	mg/kg	0.040	ND
4-Chloro-3-methylphenol	1	mg/kg	0.040	ND
4-Chloroaniline	1	mg/kg	0.040	ND
4-Chlorophenyl-phenylether	1	mg/kg	0.040	ND
4-Nitroaniline	1	mg/kg	0.040	ND
4-Nitrophenol	1	mg/kg	0.040	ND
Acenaphthene	1	mg/kg	0.040	ND
Acenaphthylene	1	mg/kg	0.040	ND
Acetophenone	1	mg/kg	0.040	ND
Anthracene	**1**	**mg/kg**	**0.040**	**0.086**
Atrazine	1	mg/kg	0.040	ND
Benzaldehyde	1	mg/kg	0.040	ND
Benzo[a]anthracene	**1**	**mg/kg**	**0.040**	**0.51**
Benzo[a]pyrene	**1**	**mg/kg**	**0.040**	**0.55**
Benzo[b]fluoranthene	**1**	**mg/kg**	**0.040**	**0.80**
Benzo[g,h,i]perylene	**1**	**mg/kg**	**0.040**	**0.49**
Benzo[k]fluoranthene	**1**	**mg/kg**	**0.040**	**0.22**
bis(2-Chloroethoxy)methane	1	mg/kg	0.040	ND
bis(2-Chloroethyl)ether	1	mg/kg	0.015	ND
bis(2-Chloroisopropyl)ether	1	mg/kg	0.040	ND
bis(2-Ethylhexyl)phthalate	1	mg/kg	0.040	ND
Butylbenzylphthalate	1	mg/kg	0.040	ND
Caprolactam	1	mg/kg	0.040	ND
Carbazole	1	mg/kg	0.040	ND
Chrysene	**1**	**mg/kg**	**0.040**	**0.53**
Dibenzo[a,h]anthracene	**1**	**mg/kg**	**0.040**	**0.12**
Dibenzofuran	1	mg/kg	0.040	ND
Diethylphthalate	1	mg/kg	0.040	ND
Dimethylphthalate	1	mg/kg	0.040	ND
Di-n-butylphthalate	1	mg/kg	0.20	ND
Di-n-octylphthalate	1	mg/kg	0.040	ND
Fluoranthene	**1**	**mg/kg**	**0.040**	**0.70**
Fluorene	1	mg/kg	0.040	ND
Hexachlorobenzene	1	mg/kg	0.040	ND
Hexachlorobutadiene	1	mg/kg	0.040	ND
Hexachlorocyclopentadiene	1	mg/kg	0.20	ND
Hexachloroethane	1	mg/kg	0.040	ND
Indeno[1,2,3-cd]pyrene	**1**	**mg/kg**	**0.040**	**0.51**
Isophorone	1	mg/kg	0.040	ND
Naphthalene	**1**	**mg/kg**	**0.040**	**0.14**
Nitrobenzene	1	mg/kg	0.040	ND
N-Nitroso-di-n-propylamine	1	mg/kg	0.040	ND
N-Nitrosodiphenylamine	1	mg/kg	0.040	ND
Pentachlorophenol	1	mg/kg	0.20	ND

Sample ID:	**SB-17-7.5-8.0'**	**Collection Date:**	**12/6/2024**
Lab#:	**AD48589-010**	**Receipt Date:**	**12/9/2024**
Matrix:	**Soil**		

Phenanthrene	**1**	**mg/kg**	**0.040**	**0.32**
Phenol	1	mg/kg	0.040	ND
Pyrene	**1**	**mg/kg**	**0.040**	**0.67**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**24**	**7200**
Antimony	**1**	**mg/kg**	**0.36**	**2.1**
Arsenic	**1**	**mg/kg**	**0.24**	**7.8**
Barium	**1**	**mg/kg**	**0.60**	**300**
Beryllium	**1**	**mg/kg**	**0.12**	**0.40**
Cadmium	**1**	**mg/kg**	**0.24**	**1.3**
Calcium	**1**	**mg/kg**	**120**	**2800**
Chromium	**1**	**mg/kg**	**0.24**	**26**
Cobalt	**1**	**mg/kg**	**0.24**	**6.7**
Copper	**5**	**mg/kg**	**6.0**	**790**
Iron	**1**	**mg/kg**	**36**	**18000**
Lead	**1**	**mg/kg**	**0.36**	**450**
Magnesium	**1**	**mg/kg**	**120**	**2200**
Manganese	**1**	**mg/kg**	**1.2**	**170**
Nickel	**1**	**mg/kg**	**1.2**	**30**
Potassium	**1**	**mg/kg**	**120**	**930**
Selenium	**1**	**mg/kg**	**1.2**	**2.1**
Silver	**1**	**mg/kg**	**0.24**	**0.52**
Sodium	**1**	**mg/kg**	**120**	**200**
Thallium	1	mg/kg	0.24	ND
Vanadium	**1**	**mg/kg**	**0.24**	**25**
Zinc	**5**	**mg/kg**	**24**	**910**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.965	mg/kg	0.0023	ND
1,1,2,2-Tetrachloroethane	0.965	mg/kg	0.0023	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.965	mg/kg	0.0023	ND
1,1,2-Trichloroethane	0.965	mg/kg	0.0023	ND
1,1-Dichloroethane	0.965	mg/kg	0.0023	ND
1,1-Dichloroethene	0.965	mg/kg	0.0023	ND
1,2,3-Trichlorobenzene	0.965	mg/kg	0.0023	ND
1,2,4-Trichlorobenzene	0.965	mg/kg	0.0023	ND
1,2-Dibromo-3-chloropropane	0.965	mg/kg	0.0023	ND
1,2-Dibromoethane	0.965	mg/kg	0.0012	ND
1,2-Dichlorobenzene	0.965	mg/kg	0.0023	ND
1,2-Dichloroethane	0.965	mg/kg	0.0023	ND
1,2-Dichloropropane	0.965	mg/kg	0.0023	ND
1,3-Dichlorobenzene	0.965	mg/kg	0.0023	ND
1,3-Dichloropropene (Total)	0.965	mg/kg	0.0023	ND
1,4-Dichlorobenzene	0.965	mg/kg	0.0023	ND
1,4-Dioxane	0.965	mg/kg	0.12	ND
2-Butanone	**0.965**	**mg/kg**	**0.0023**	**0.013**
2-Hexanone	0.965	mg/kg	0.0023	ND
4-Methyl-2-pentanone	0.965	mg/kg	0.0023	ND
Acetone	**0.965**	**mg/kg**	**0.012**	**0.15**
Benzene	0.965	mg/kg	0.0012	ND
Bromochloromethane	0.965	mg/kg	0.0023	ND
Bromodichloromethane	0.965	mg/kg	0.0023	ND
Bromoform	0.965	mg/kg	0.0023	ND
Bromomethane	0.965	mg/kg	0.0023	ND

Sample ID:	**SB-17-7.5-8.0'**			**Collection Date:**	**12/6/2024**
Lab#:	**AD48589-010**			**Receipt Date:**	**12/9/2024**
Matrix:	**Soil**				

Carbon disulfide	0.965	mg/kg	0.0058	ND
Carbon tetrachloride	0.965	mg/kg	0.0023	ND
Chlorobenzene	0.965	mg/kg	0.0023	ND
Chloroethane	0.965	mg/kg	0.0023	ND
Chloroform	0.965	mg/kg	0.0023	ND
Chloromethane	0.965	mg/kg	0.0023	ND
cis-1,2-Dichloroethene	0.965	mg/kg	0.0023	ND
cis-1,3-Dichloropropene	0.965	mg/kg	0.0023	ND
Cyclohexane	0.965	mg/kg	0.0023	ND
Dibromochloromethane	0.965	mg/kg	0.0023	ND
Dichlorodifluoromethane	0.965	mg/kg	0.0023	ND
Ethylbenzene	0.965	mg/kg	0.0012	ND
Isopropylbenzene	0.965	mg/kg	0.0012	ND
m&p-Xylenes	0.965	mg/kg	0.0016	ND
Methyl Acetate	0.965	mg/kg	0.0023	ND
Methylcyclohexane	0.965	mg/kg	0.0023	ND
Methylene chloride	**0.965**	**mg/kg**	**0.0023**	0.015
Methyl-t-butyl ether	0.965	mg/kg	0.0012	ND
o-Xylene	0.965	mg/kg	0.0012	ND
Styrene	0.965	mg/kg	0.0023	ND
Tetrachloroethene	0.965	mg/kg	0.0023	ND
Toluene	0.965	mg/kg	0.0012	ND
trans-1,2-Dichloroethene	0.965	mg/kg	0.0023	ND
trans-1,3-Dichloropropene	0.965	mg/kg	0.0023	ND
Trichloroethene	0.965	mg/kg	0.0023	ND
Trichlorofluoromethane	0.965	mg/kg	0.0023	ND
Vinyl chloride	0.965	mg/kg	0.0023	ND
Xylenes (Total)	0.965	mg/kg	0.0012	ND

Sample ID: SB-22-7.5-8.0' | **Collection Date:** 12/6/2024
Lab#: AD48589-011 | **Receipt Date:** 12/9/2024
Matrix: Soil

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		94

Mercury (Soil/Waste) 7471B

Analyte	DF	Units	RL	Result
Mercury	1	mg/kg	0.089	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	mg/kg	0.0053	ND
Aldrin	1	mg/kg	0.0053	ND
Alpha-BHC	1	mg/kg	0.0011	ND
beta-BHC	1	mg/kg	0.0011	ND
Chlordane (Total)	1	mg/kg	0.0053	ND
delta-BHC	1	mg/kg	0.0053	ND
Dieldrin	1	mg/kg	0.0011	ND
Endosulfan I	1	mg/kg	0.0053	ND
Endosulfan II	1	mg/kg	0.0053	ND
Endosulfan Sulfate	1	mg/kg	0.0053	ND
Endrin	1	mg/kg	0.0053	ND
Endrin Aldehyde	1	mg/kg	0.0053	ND
Endrin Ketone	1	mg/kg	0.0053	ND
gamma-BHC	1	mg/kg	0.0011	ND
Heptachlor	1	mg/kg	0.0053	ND
Heptachlor Epoxide	1	mg/kg	0.0053	ND
Methoxychlor	1	mg/kg	0.0053	ND
p,p'-DDD	1	mg/kg	0.0027	ND
p,p'-DDE	1	mg/kg	0.0027	ND
p,p'-DDT	1	mg/kg	0.0027	ND
Toxaphene	1	mg/kg	0.027	ND
y-Chlordane	1	mg/kg	0.0053	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	mg/kg	0.027	ND
Aroclor-1016	1	mg/kg	0.027	ND
Aroclor-1221	1	mg/kg	0.027	ND
Aroclor-1232	1	mg/kg	0.027	ND
Aroclor-1242	1	mg/kg	0.027	ND
Aroclor-1248	1	mg/kg	0.027	ND
Aroclor-1254	1	mg/kg	0.027	ND
Aroclor-1260	1	mg/kg	0.027	ND
Aroclor-1262	1	mg/kg	0.027	ND
Aroclor-1268	1	mg/kg	0.027	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	5	mg/kg	0.18	ND
1,2,4,5-Tetrachlorobenzene	5	mg/kg	0.18	ND
1,4-Dioxane	5	mg/kg	0.18	ND
2,3,4,6-Tetrachlorophenol	5	mg/kg	0.18	ND
2,4,5-Trichlorophenol	5	mg/kg	0.18	ND
2,4,6-Trichlorophenol	5	mg/kg	0.18	ND
2,4-Dichlorophenol	5	mg/kg	0.18	ND
2,4-Dimethylphenol	5	mg/kg	0.18	ND

Sample ID:	**SB-22-7.5-8.0'**
Lab#:	**AD48589-011**
Matrix:	**Soil**
Collection Date:	**12/6/2024**
Receipt Date:	**12/9/2024**

2,4-Dinitrophenol	5	mg/kg	0.89	ND
2,4-Dinitrotoluene	5	mg/kg	0.18	ND
2,6-Dinitrotoluene	5	mg/kg	0.18	ND
2-Chloronaphthalene	5	mg/kg	0.18	ND
2-Chlorophenol	5	mg/kg	0.18	ND
2-Methylnaphthalene	5	mg/kg	0.18	ND
2-Methylphenol	5	mg/kg	0.18	ND
2-Nitroaniline	5	mg/kg	0.18	ND
2-Nitrophenol	5	mg/kg	0.18	ND
3&4-Methylphenol	5	mg/kg	0.18	ND
3,3'-Dichlorobenzidine	5	mg/kg	0.18	ND
3-Nitroaniline	5	mg/kg	0.18	ND
4,6-Dinitro-2-methylphenol	5	mg/kg	0.89	ND
4-Bromophenyl-phenylether	5	mg/kg	0.18	ND
4-Chloro-3-methylphenol	5	mg/kg	0.18	ND
4-Chloroaniline	5	mg/kg	0.18	ND
4-Chlorophenyl-phenylether	5	mg/kg	0.18	ND
4-Nitroaniline	5	mg/kg	0.18	ND
4-Nitrophenol	5	mg/kg	0.18	ND
Acenaphthene	5	mg/kg	0.18	ND
Acenaphthylene	5	mg/kg	0.18	ND
Acetophenone	5	mg/kg	0.18	ND
Anthracene	5	mg/kg	0.18	ND
Atrazine	5	mg/kg	0.18	ND
Benzaldehyde	5	mg/kg	0.18	ND
Benzo[a]anthracene	**5**	**mg/kg**	**0.18**	**0.30**
Benzo[a]pyrene	**5**	**mg/kg**	**0.18**	**0.30**
Benzo[b]fluoranthene	**5**	**mg/kg**	**0.18**	**0.38**
Benzo[g,h,i]perylene	**5**	**mg/kg**	**0.18**	**0.22**
Benzo[k]fluoranthene	5	mg/kg	0.18	ND
bis(2-Chloroethoxy)methane	5	mg/kg	0.18	ND
bis(2-Chloroethyl)ether	5	mg/kg	0.068	ND
bis(2-Chloroisopropyl)ether	5	mg/kg	0.18	ND
bis(2-Ethylhexyl)phthalate	5	mg/kg	0.18	ND
Butylbenzylphthalate	5	mg/kg	0.18	ND
Caprolactam	5	mg/kg	0.18	ND
Carbazole	5	mg/kg	0.18	ND
Chrysene	**5**	**mg/kg**	**0.18**	**0.28**
Dibenzo[a,h]anthracene	5	mg/kg	0.18	ND
Dibenzofuran	5	mg/kg	0.18	ND
Diethylphthalate	5	mg/kg	0.18	ND
Dimethylphthalate	5	mg/kg	0.18	ND
Di-n-butylphthalate	5	mg/kg	0.89	ND
Di-n-octylphthalate	5	mg/kg	0.18	ND
Fluoranthene	**5**	**mg/kg**	**0.18**	**0.59**
Fluorene	5	mg/kg	0.18	ND
Hexachlorobenzene	5	mg/kg	0.18	ND
Hexachlorobutadiene	5	mg/kg	0.18	ND
Hexachlorocyclopentadiene	5	mg/kg	0.89	ND
Hexachloroethane	5	mg/kg	0.18	ND
Indeno[1,2,3-cd]pyrene	**5**	**mg/kg**	**0.18**	**0.20**
Isophorone	5	mg/kg	0.18	ND
Naphthalene	5	mg/kg	0.18	ND
Nitrobenzene	5	mg/kg	0.18	ND
N-Nitroso-di-n-propylamine	5	mg/kg	0.18	ND
N-Nitrosodiphenylamine	5	mg/kg	0.18	ND
Pentachlorophenol	5	mg/kg	0.89	ND

Sample ID:	**SB-22-7.5-8.0'**	**Collection Date:**	**12/6/2024**
Lab#:	**AD48589-011**	**Receipt Date:**	**12/9/2024**
Matrix:	**Soil**		

Phenanthrene	**5**	**mg/kg**	**0.18**	**0.32**
Phenol	5	mg/kg	0.18	ND
Pyrene	**5**	**mg/kg**	**0.18**	**0.53**

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	**1**	**mg/kg**	**21**	**4400**
Antimony	1	mg/kg	0.32	ND
Arsenic	**1**	**mg/kg**	**0.21**	**2.0**
Barium	**1**	**mg/kg**	**0.53**	**57**
Beryllium	**1**	**mg/kg**	**0.11**	**0.22**
Cadmium	1	mg/kg	0.21	ND
Calcium	**1**	**mg/kg**	**110**	**4400**
Chromium	**1**	**mg/kg**	**0.21**	**13**
Cobalt	**1**	**mg/kg**	**0.21**	**7.2**
Copper	**1**	**mg/kg**	**1.1**	**56**
Iron	**1**	**mg/kg**	**32**	**14000**
Lead	**1**	**mg/kg**	**0.32**	**79**
Magnesium	**1**	**mg/kg**	**110**	**3300**
Manganese	**1**	**mg/kg**	**1.1**	**340**
Nickel	**1**	**mg/kg**	**1.1**	**14**
Potassium	**1**	**mg/kg**	**110**	**700**
Selenium	**1**	**mg/kg**	**1.1**	**1.4**
Silver	1	mg/kg	0.21	ND
Sodium	1	mg/kg	110	ND
Thallium	1	mg/kg	0.21	ND
Vanadium	**1**	**mg/kg**	**0.21**	**21**
Zinc	**1**	**mg/kg**	**4.3**	**50**

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	0.816	mg/kg	0.0017	ND
1,1,2,2-Tetrachloroethane	0.816	mg/kg	0.0017	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	0.816	mg/kg	0.0017	ND
1,1,2-Trichloroethane	0.816	mg/kg	0.0017	ND
1,1-Dichloroethane	0.816	mg/kg	0.0017	ND
1,1-Dichloroethene	0.816	mg/kg	0.0017	ND
1,2,3-Trichlorobenzene	0.816	mg/kg	0.0017	ND
1,2,4-Trichlorobenzene	0.816	mg/kg	0.0017	ND
1,2-Dibromo-3-chloropropane	0.816	mg/kg	0.0017	ND
1,2-Dibromoethane	0.816	mg/kg	0.00087	ND
1,2-Dichlorobenzene	0.816	mg/kg	0.0017	ND
1,2-Dichloroethane	0.816	mg/kg	0.0017	ND
1,2-Dichloropropane	0.816	mg/kg	0.0017	ND
1,3-Dichlorobenzene	0.816	mg/kg	0.0017	ND
1,3-Dichloropropene (Total)	0.816	mg/kg	0.0017	ND
1,4-Dichlorobenzene	0.816	mg/kg	0.0017	ND
1,4-Dioxane	0.816	mg/kg	0.087	ND
2-Butanone	0.816	mg/kg	0.0017	ND
2-Hexanone	0.816	mg/kg	0.0017	ND
4-Methyl-2-pentanone	0.816	mg/kg	0.0017	ND
Acetone	0.816	mg/kg	0.0087	ND
Benzene	0.816	mg/kg	0.00087	ND
Bromochloromethane	0.816	mg/kg	0.0017	ND
Bromodichloromethane	0.816	mg/kg	0.0017	ND
Bromoform	0.816	mg/kg	0.0017	ND
Bromomethane	0.816	mg/kg	0.0017	ND

Sample ID:	**SB-22-7.5-8.0'**
Lab#:	**AD48589-011**
Matrix:	**Soil**
Collection Date:	**12/6/2024**
Receipt Date:	**12/9/2024**

Carbon disulfide	0.816	mg/kg	0.0043	ND
Carbon tetrachloride	0.816	mg/kg	0.0017	ND
Chlorobenzene	0.816	mg/kg	0.0017	ND
Chloroethane	0.816	mg/kg	0.0017	ND
Chloroform	0.816	mg/kg	0.0017	ND
Chloromethane	0.816	mg/kg	0.0017	ND
cis-1,2-Dichloroethene	0.816	mg/kg	0.0017	ND
cis-1,3-Dichloropropene	0.816	mg/kg	0.0017	ND
Cyclohexane	0.816	mg/kg	0.0017	ND
Dibromochloromethane	0.816	mg/kg	0.0017	ND
Dichlorodifluoromethane	0.816	mg/kg	0.0017	ND
Ethylbenzene	0.816	mg/kg	0.00087	ND
Isopropylbenzene	0.816	mg/kg	0.00087	ND
m&p-Xylenes	0.816	mg/kg	0.0012	ND
Methyl Acetate	0.816	mg/kg	0.0017	ND
Methylcyclohexane	0.816	mg/kg	0.0017	ND
Methylene chloride	0.816	mg/kg	0.0017	ND
Methyl-t-butyl ether	0.816	mg/kg	0.00087	ND
o-Xylene	0.816	mg/kg	0.00087	ND
Styrene	0.816	mg/kg	0.0017	ND
Tetrachloroethene	0.816	mg/kg	0.0017	ND
Toluene	0.816	mg/kg	0.00087	ND
trans-1,2-Dichloroethene	0.816	mg/kg	0.0017	ND
trans-1,3-Dichloropropene	0.816	mg/kg	0.0017	ND
Trichloroethene	0.816	mg/kg	0.0017	ND
Trichlorofluoromethane	0.816	mg/kg	0.0017	ND
Vinyl chloride	0.816	mg/kg	0.0017	ND
Xylenes (Total)	0.816	mg/kg	0.00087	ND

Sample ID: SB-22-COMP
Lab#: AD48589-012
Matrix: Soil

Collection Date: 12/6/2024
Receipt Date: 12/9/2024

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		90

Diesel Range Organics 8015D(C10-C28)

Analyte	DF	Units	RL	Result
Diesel Range Organics	1	mg/kg	67	120

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	89.8	mg/kg	25	ND

Ignitability (EPA 1030)

Analyte	DF	Units	RL	Result
Burning Rate (mm/sec)	1			NA
Flame Propagation (POS/NEG)	1			NEG
Ignitability (POS/NEG)	1			NEG

Mercury (TCLP) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	mg/l	0.00050	ND

pH 9045D

Analyte	DF	Units	RL	Result
pH	1	ph		8.0
Temperature	1	c		22.1

Reactive Cyanide

Analyte	DF	Units	RL	Result
Cyanide (Reactive)	1	mg/kg	0.50	ND

Reactive Sulfide

Analyte	DF	Units	RL	Result
Sulfide (Reactive)	1	mg/kg	100	ND

TCLP Metals 6010D

Analyte	DF	Units	RL	Result
Arsenic	1	mg/l	0.10	ND
Barium	1	mg/l	0.25	1.2
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	1	mg/l	0.050	0.48
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

Sample ID: SB-17-COMP
Lab#: AD48589-013
Matrix: Soil

Collection Date: 12/6/2024
Receipt Date: 12/9/2024

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		84

Diesel Range Organics 8015D(C10-C28)

Analyte	DF	Units	RL	Result
Diesel Range Organics	1	mg/kg	71	980

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	84.5	mg/kg	25	150

Ignitability (EPA 1030)

Analyte	DF	Units	RL	Result
Burning Rate (mm/sec)	1			NA
Flame Propagation (POS/NEG)	1			NEG
Ignitability (POS/NEG)	1			NEG

Mercury (TCLP) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	mg/l	0.00050	ND

pH 9045D

Analyte	DF	Units	RL	Result
pH	1	ph		6.7
Temperature	1	c		22.1

Reactive Cyanide

Analyte	DF	Units	RL	Result
Cyanide (Reactive)	1	mg/kg	0.50	ND

Reactive Sulfide

Analyte	DF	Units	RL	Result
Sulfide (Reactive)	1	mg/kg	100	ND

TCLP Metals 6010D

Analyte	DF	Units	RL	Result
Arsenic	1	mg/l	0.10	ND
Barium	**1**	**mg/l**	**0.25**	**1.2**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**2.1**
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

Sample ID: SB-08-COMP
Lab#: AD48589-014
Matrix: Soil

Collection Date: 12/4/2024
Receipt Date: 12/9/2024

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		80

Diesel Range Organics 8015D(C10-C28)

Analyte	DF	Units	RL	Result
Diesel Range Organics	1	mg/kg	75	87

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	97.1	mg/kg	30	ND

Ignitability (EPA 1030)

Analyte	DF	Units	RL	Result
Burning Rate (mm/sec)	1			NA
Flame Propagation (POS/NEG)	1			NEG
Ignitability (POS/NEG)	1			NEG

Mercury (TCLP) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	mg/l	0.00050	ND

pH 9045D

Analyte	DF	Units	RL	Result
pH	1	ph		6.7
Temperature	1	c		22.1

Reactive Cyanide

Analyte	DF	Units	RL	Result
Cyanide (Reactive)	1	mg/kg	0.50	ND

Reactive Sulfide

Analyte	DF	Units	RL	Result
Sulfide (Reactive)	1	mg/kg	100	ND

TCLP Metals 6010D

Analyte	DF	Units	RL	Result
Arsenic	1	mg/l	0.10	ND
Barium	**1**	**mg/l**	**0.25**	**0.74**
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	**1**	**mg/l**	**0.050**	**0.33**
Selenium	5	mg/l	0.50	ND
Silver	5	mg/l	0.25	ND

Sample ID: SB-24-COMP
Lab#: AD48589-015
Matrix: Soil

Collection Date: 12/4/2024
Receipt Date: 12/9/2024

% Solids SM2540G

Analyte	DF	Units	RL	Result
% Solids	1	percent		74

Diesel Range Organics 8015D(C10-C28)

Analyte	DF	Units	RL	Result
Diesel Range Organics	1	mg/kg	81	160

Gasoline range organics 8015D(C6-C10)

Analyte	DF	Units	RL	Result
Gasoline Range Organics	95.8	mg/kg	32	ND

Ignitability (EPA 1030)

Analyte	DF	Units	RL	Result
Burning Rate (mm/sec)	1			NA
Flame Propagation (POS/NEG)	1			NEG
Ignitability (POS/NEG)	1			NEG

Mercury (TCLP) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	mg/l	0.00050	ND

pH 9045D

Analyte	DF	Units	RL	Result
pH	1	ph		6.6
Temperature	1	c		22.0

Reactive Cyanide

Analyte	DF	Units	RL	Result
Cyanide (Reactive)	1	mg/kg	0.50	ND

Reactive Sulfide

Analyte	DF	Units	RL	Result
Sulfide (Reactive)	1	mg/kg	100	ND

TCLP Metals 6010D

Analyte	DF	Units	RL	Result
Arsenic	1	mg/l	0.10	ND
Barium	1	mg/l	0.25	0.59
Cadmium	1	mg/l	0.050	ND
Chromium	1	mg/l	0.10	ND
Lead	1	mg/l	0.050	5.3
Selenium	1	mg/l	0.10	ND
Silver	1	mg/l	0.050	ND

Sample ID: TWP-10 U
Lab#: AD48589-016
Matrix: Aqueous

Collection Date: 12/6/2024
Receipt Date: 12/9/2024

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.50	0.72

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	ug/l	0.010	ND
Aldrin	1	ug/l	0.010	ND
Alpha-BHC	1	ug/l	0.010	ND
beta-BHC	1	ug/l	0.010	ND
Chlordane (Total)	1	ug/l	0.010	ND
delta-BHC	1	ug/l	0.010	ND
Dieldrin	1	ug/l	0.010	ND
Endosulfan I	1	ug/l	0.010	ND
Endosulfan II	1	ug/l	0.010	ND
Endosulfan Sulfate	1	ug/l	0.010	ND
Endrin	1	ug/l	0.010	ND
Endrin Aldehyde	1	ug/l	0.010	ND
Endrin Ketone	1	ug/l	0.010	ND
gamma-BHC	1	ug/l	0.010	ND
Heptachlor	1	ug/l	0.010	ND
Heptachlor Epoxide	1	ug/l	0.010	ND
Methoxychlor	1	ug/l	0.010	ND
p,p'-DDD	1	ug/l	0.010	ND
p,p'-DDE	1	ug/l	0.010	ND
p,p'-DDT	1	ug/l	0.010	ND
Toxaphene	1	ug/l	0.25	ND
y-Chlordane	1	ug/l	0.010	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	ug/l	0.25	ND
Aroclor-1016	1	ug/l	0.25	ND
Aroclor-1221	1	ug/l	0.25	ND
Aroclor-1232	1	ug/l	0.25	ND
Aroclor-1242	1	ug/l	0.25	ND
Aroclor-1248	1	ug/l	0.25	ND
Aroclor-1254	1	ug/l	0.25	ND
Aroclor-1260	1	ug/l	0.25	ND
Aroclor-1262	1	ug/l	0.25	ND
Aroclor-1268	1	ug/l	0.25	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	2.0	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	2.0	ND
1,4-Dioxane	1	ug/l	0.50	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	2.0	ND
2,4,5-Trichlorophenol	1	ug/l	2.0	ND
2,4,6-Trichlorophenol	1	ug/l	2.0	ND
2,4-Dichlorophenol	1	ug/l	0.50	ND
2,4-Dimethylphenol	1	ug/l	1.2	ND
2,4-Dinitrophenol	1	ug/l	10	ND
2,4-Dinitrotoluene	1	ug/l	2.0	ND
2,6-Dinitrotoluene	1	ug/l	2.0	ND
2-Chloronaphthalene	1	ug/l	2.0	ND

Sample ID: TWP-10 U
Lab#: AD48589-016
Matrix: Aqueous
Collection Date: 12/6/2024
Receipt Date: 12/9/2024

2-Chlorophenol	1	ug/l	2.0	ND
2-Methylnaphthalene	1	ug/l	2.0	ND
2-Methylphenol	1	ug/l	0.59	ND
2-Nitroaniline	1	ug/l	2.0	ND
2-Nitrophenol	1	ug/l	2.0	ND
3&4-Methylphenol	1	ug/l	0.54	ND
3,3'-Dichlorobenzidine	1	ug/l	2.0	ND
3-Nitroaniline	1	ug/l	2.0	ND
4,6-Dinitro-2-methylphenol	1	ug/l	10	ND
4-Bromophenyl-phenylether	1	ug/l	2.0	ND
4-Chloro-3-methylphenol	1	ug/l	2.0	ND
4-Chloroaniline	1	ug/l	2.0	ND
4-Chlorophenyl-phenylether	1	ug/l	2.0	ND
4-Nitroaniline	1	ug/l	2.0	ND
4-Nitrophenol	1	ug/l	2.0	ND
Acenaphthene	1	ug/l	2.0	ND
Acenaphthylene	1	ug/l	2.0	ND
Acetophenone	1	ug/l	2.0	ND
Anthracene	1	ug/l	2.0	ND
Atrazine	1	ug/l	2.0	ND
Benzaldehyde	1	ug/l	2.0	ND
Benzo[a]anthracene	1	ug/l	2.0	ND
Benzo[a]pyrene	1	ug/l	2.0	ND
Benzo[b]fluoranthene	1	ug/l	2.0	ND
Benzo[g,h,i]perylene	1	ug/l	2.0	ND
Benzo[k]fluoranthene	1	ug/l	2.0	ND
bis(2-Chloroethoxy)methane	1	ug/l	2.0	ND
bis(2-Chloroethyl)ether	1	ug/l	0.50	ND
bis(2-Chloroisopropyl)ether	1	ug/l	2.0	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	2.0	ND
Butylbenzylphthalate	1	ug/l	2.0	ND
Caprolactam	1	ug/l	2.0	ND
Carbazole	1	ug/l	2.0	ND
Chrysene	1	ug/l	2.0	ND
Dibenzo[a,h]anthracene	1	ug/l	2.0	ND
Dibenzofuran	1	ug/l	2.0	ND
Diethylphthalate	1	ug/l	2.0	ND
Dimethylphthalate	1	ug/l	2.0	ND
Di-n-butylphthalate	1	ug/l	2.0	ND
Di-n-octylphthalate	1	ug/l	2.0	ND
Fluoranthene	1	ug/l	2.0	ND
Fluorene	1	ug/l	2.0	ND
Hexachlorobenzene	1	ug/l	2.0	ND
Hexachlorobutadiene	1	ug/l	2.0	ND
Hexachlorocyclopentadiene	1	ug/l	6.4	ND
Hexachloroethane	1	ug/l	2.0	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	2.0	ND
Isophorone	1	ug/l	2.0	ND
Naphthalene	**1**	**ug/l**	**2.0**	**9.5**
Nitrobenzene	1	ug/l	2.0	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.50	ND
N-Nitrosodiphenylamine	1	ug/l	2.0	ND
Pentachlorophenol	1	ug/l	10	ND
Phenanthrene	1	ug/l	2.0	ND
Phenol	1	ug/l	2.0	ND
Pyrene	1	ug/l	2.0	ND

Sample ID: TWP-10 U
Lab#: AD48589-016
Matrix: Aqueous

Collection Date: 12/6/2024
Receipt Date: 12/9/2024

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	2600
Antimony	1	ug/l	3.0	3.3
Arsenic	1	ug/l	2.0	19
Barium	1	ug/l	5.0	1200
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	3.2
Calcium	1	ug/l	1000	240000
Chromium	1	ug/l	2.0	50
Cobalt	1	ug/l	2.0	6.8
Copper	1	ug/l	10	70
Iron	1	ug/l	300	49000
Lead	1	ug/l	3.0	700
Magnesium	1	ug/l	1000	46000
Manganese	1	ug/l	10	1400
Nickel	1	ug/l	10	12
Potassium	1	ug/l	1000	35000
Selenium	1	ug/l	10	ND
Silver	1	ug/l	2.0	ND
Sodium	1	ug/l	1000	83000
Thallium	1	ug/l	2.0	ND
Vanadium	1	ug/l	2.0	13
Zinc	1	ug/l	40	880

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	1.0	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropene (Total)	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND

Sample ID: TWP-10 U
Lab#: AD48589-016
Matrix: Aqueous
Collection Date: 12/6/2024
Receipt Date: 12/9/2024

Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	5.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.53	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: TWP-10 F
Lab#: AD48589-017
Matrix: Aqueous
Collection Date: 12/6/2024
Receipt Date: 12/9/2024

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.50	ND

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Antimony	1	ug/l	3.0	ND
Arsenic	**1**	**ug/l**	**2.0**	**3.9**
Barium	**1**	**ug/l**	**5.0**	**630**
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Calcium	**1**	**ug/l**	**1000**	**240000**
Chromium	1	ug/l	2.0	ND
Cobalt	**1**	**ug/l**	**2.0**	**3.1**
Copper	1	ug/l	10	ND
Iron	**1**	**ug/l**	**300**	**20000**
Lead	1	ug/l	3.0	ND
Magnesium	**1**	**ug/l**	**1000**	**46000**
Manganese	**1**	**ug/l**	**10**	**1200**
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**1000**	**36000**
Selenium	1	ug/l	10	ND
Silver	1	ug/l	2.0	ND
Sodium	**1**	**ug/l**	**1000**	**83000**
Thallium	1	ug/l	2.0	ND
Vanadium	1	ug/l	2.0	ND
Zinc	1	ug/l	40	ND

Sample ID: TWP-12 U
Lab#: AD48589-018
Matrix: Aqueous

Collection Date: 12/5/2024
Receipt Date: 12/9/2024

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.50	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	ug/l	0.010	ND
Aldrin	1	ug/l	0.010	ND
Alpha-BHC	1	ug/l	0.010	ND
beta-BHC	1	ug/l	0.010	ND
Chlordane (Total)	1	ug/l	0.010	ND
delta-BHC	1	ug/l	0.010	ND
Dieldrin	1	ug/l	0.010	ND
Endosulfan I	1	ug/l	0.010	ND
Endosulfan II	1	ug/l	0.010	ND
Endosulfan Sulfate	1	ug/l	0.010	ND
Endrin	1	ug/l	0.010	ND
Endrin Aldehyde	1	ug/l	0.010	ND
Endrin Ketone	1	ug/l	0.010	ND
gamma-BHC	1	ug/l	0.010	ND
Heptachlor	1	ug/l	0.010	ND
Heptachlor Epoxide	1	ug/l	0.010	ND
Methoxychlor	1	ug/l	0.010	ND
p,p'-DDD	1	ug/l	0.010	ND
p,p'-DDE	1	ug/l	0.010	ND
p,p'-DDT	1	ug/l	0.010	ND
Toxaphene	1	ug/l	0.25	ND
y-Chlordane	1	ug/l	0.010	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	ug/l	0.25	ND
Aroclor-1016	1	ug/l	0.25	ND
Aroclor-1221	1	ug/l	0.25	ND
Aroclor-1232	1	ug/l	0.25	ND
Aroclor-1242	1	ug/l	0.25	ND
Aroclor-1248	1	ug/l	0.25	ND
Aroclor-1254	1	ug/l	0.25	ND
Aroclor-1260	1	ug/l	0.25	ND
Aroclor-1262	1	ug/l	0.25	ND
Aroclor-1268	1	ug/l	0.25	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	1.9	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	1.9	ND
1,4-Dioxane	1	ug/l	0.48	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	1.9	ND
2,4,5-Trichlorophenol	1	ug/l	1.9	ND
2,4,6-Trichlorophenol	1	ug/l	1.9	ND
2,4-Dichlorophenol	1	ug/l	0.48	ND
2,4-Dimethylphenol	1	ug/l	1.2	ND
2,4-Dinitrophenol	1	ug/l	9.5	ND
2,4-Dinitrotoluene	1	ug/l	1.9	ND
2,6-Dinitrotoluene	1	ug/l	1.9	ND
2-Chloronaphthalene	1	ug/l	1.9	ND

Sample ID:	**TWP-12 U**		**Collection Date:**	**12/5/2024**
Lab#:	**AD48589-018**		**Receipt Date:**	**12/9/2024**
Matrix:	**Aqueous**			

2-Chlorophenol	1	ug/l	1.9	ND
2-Methylnaphthalene	1	ug/l	1.9	ND
2-Methylphenol	1	ug/l	0.56	ND
2-Nitroaniline	1	ug/l	1.9	ND
2-Nitrophenol	1	ug/l	1.9	ND
3&4-Methylphenol	1	ug/l	0.52	ND
3,3'-Dichlorobenzidine	1	ug/l	1.9	ND
3-Nitroaniline	1	ug/l	1.9	ND
4,6-Dinitro-2-methylphenol	1	ug/l	9.5	ND
4-Bromophenyl-phenylether	1	ug/l	1.9	ND
4-Chloro-3-methylphenol	1	ug/l	1.9	ND
4-Chloroaniline	1	ug/l	1.9	ND
4-Chlorophenyl-phenylether	1	ug/l	1.9	ND
4-Nitroaniline	1	ug/l	1.9	ND
4-Nitrophenol	1	ug/l	1.9	ND
Acenaphthene	1	ug/l	1.9	ND
Acenaphthylene	1	ug/l	1.9	ND
Acetophenone	1	ug/l	1.9	ND
Anthracene	1	ug/l	1.9	ND
Atrazine	1	ug/l	1.9	ND
Benzaldehyde	1	ug/l	1.9	ND
Benzo[a]anthracene	1	ug/l	1.9	ND
Benzo[a]pyrene	1	ug/l	1.9	ND
Benzo[b]fluoranthene	1	ug/l	1.9	ND
Benzo[g,h,i]perylene	1	ug/l	1.9	ND
Benzo[k]fluoranthene	1	ug/l	1.9	ND
bis(2-Chloroethoxy)methane	1	ug/l	1.9	ND
bis(2-Chloroethyl)ether	1	ug/l	0.48	ND
bis(2-Chloroisopropyl)ether	1	ug/l	1.9	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	1.9	ND
Butylbenzylphthalate	1	ug/l	1.9	ND
Caprolactam	1	ug/l	1.9	ND
Carbazole	1	ug/l	1.9	ND
Chrysene	1	ug/l	1.9	ND
Dibenzo[a,h]anthracene	1	ug/l	1.9	ND
Dibenzofuran	1	ug/l	1.9	ND
Diethylphthalate	1	ug/l	1.9	ND
Dimethylphthalate	1	ug/l	1.9	ND
Di-n-butylphthalate	1	ug/l	1.9	ND
Di-n-octylphthalate	1	ug/l	1.9	ND
Fluoranthene	1	ug/l	1.9	ND
Fluorene	1	ug/l	1.9	ND
Hexachlorobenzene	1	ug/l	1.9	ND
Hexachlorobutadiene	1	ug/l	1.9	ND
Hexachlorocyclopentadiene	1	ug/l	6.1	ND
Hexachloroethane	1	ug/l	1.9	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	1.9	ND
Isophorone	1	ug/l	1.9	ND
Naphthalene	1	ug/l	1.9	ND
Nitrobenzene	1	ug/l	1.9	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.48	ND
N-Nitrosodiphenylamine	1	ug/l	1.9	ND
Pentachlorophenol	1	ug/l	9.5	ND
Phenanthrene	1	ug/l	1.9	ND
Phenol	1	ug/l	1.9	ND
Pyrene	1	ug/l	1.9	ND

Sample ID: TWP-12 U
Lab#: AD48589-018
Matrix: Aqueous
Collection Date: 12/5/2024
Receipt Date: 12/9/2024

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	970
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	7.9
Barium	1	ug/l	5.0	840
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Calcium	1	ug/l	1000	220000
Chromium	1	ug/l	2.0	11
Cobalt	1	ug/l	2.0	5.1
Copper	1	ug/l	10	46
Iron	1	ug/l	300	35000
Lead	1	ug/l	3.0	190
Magnesium	1	ug/l	1000	46000
Manganese	1	ug/l	10	760
Nickel	1	ug/l	10	ND
Potassium	1	ug/l	1000	19000
Selenium	1	ug/l	10	ND
Silver	1	ug/l	2.0	ND
Sodium	1	ug/l	1000	62000
Thallium	1	ug/l	2.0	ND
Vanadium	1	ug/l	2.0	5.0
Zinc	1	ug/l	40	350

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	1.0	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropene (Total)	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND

Sample ID:	**TWP-12 U**
Lab#:	**AD48589-018**
Matrix:	**Aqueous**
Collection Date:	**12/5/2024**
Receipt Date:	**12/9/2024**

Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	5.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.53	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: TWP-12 F
Lab#: AD48589-019
Matrix: Aqueous
Collection Date: 12/5/2024
Receipt Date: 12/9/2024

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.50	ND

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Antimony	1	ug/l	3.0	ND
Arsenic	**1**	**ug/l**	**2.0**	**2.4**
Barium	**1**	**ug/l**	**5.0**	**430**
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Calcium	**1**	**ug/l**	**1000**	**240000**
Chromium	1	ug/l	2.0	ND
Cobalt	**1**	**ug/l**	**2.0**	**4.1**
Copper	1	ug/l	10	ND
Iron	**1**	**ug/l**	**300**	**9700**
Lead	1	ug/l	3.0	ND
Magnesium	**1**	**ug/l**	**1000**	**50000**
Manganese	**1**	**ug/l**	**10**	**850**
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**1000**	**21000**
Selenium	1	ug/l	10	ND
Silver	1	ug/l	2.0	ND
Sodium	**1**	**ug/l**	**1000**	**67000**
Thallium	1	ug/l	2.0	ND
Vanadium	1	ug/l	2.0	ND
Zinc	1	ug/l	40	ND

Sample ID: TWP-21-U
Lab#: AD48589-020
Matrix: Aqueous

Collection Date: 12/5/2024
Receipt Date: 12/9/2024

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.50	ND

Organochlorine Pesticides 8081

Analyte	DF	Units	RL	Result
a-Chlordane	1	ug/l	0.010	ND
Aldrin	1	ug/l	0.010	ND
Alpha-BHC	1	ug/l	0.010	ND
beta-BHC	1	ug/l	0.010	ND
Chlordane (Total)	1	ug/l	0.010	ND
delta-BHC	1	ug/l	0.010	ND
Dieldrin	1	ug/l	0.010	ND
Endosulfan I	1	ug/l	0.010	ND
Endosulfan II	1	ug/l	0.010	ND
Endosulfan Sulfate	1	ug/l	0.010	ND
Endrin	1	ug/l	0.010	ND
Endrin Aldehyde	1	ug/l	0.010	ND
Endrin Ketone	1	ug/l	0.010	ND
gamma-BHC	1	ug/l	0.010	ND
Heptachlor	1	ug/l	0.010	ND
Heptachlor Epoxide	1	ug/l	0.010	ND
Methoxychlor	1	ug/l	0.010	ND
p,p'-DDD	1	ug/l	0.010	ND
p,p'-DDE	1	ug/l	0.010	ND
p,p'-DDT	1	ug/l	0.010	ND
Toxaphene	1	ug/l	0.25	ND
y-Chlordane	1	ug/l	0.010	ND

PCB 8082

Analyte	DF	Units	RL	Result
Aroclor (Total)	1	ug/l	0.25	ND
Aroclor-1016	1	ug/l	0.25	ND
Aroclor-1221	1	ug/l	0.25	ND
Aroclor-1232	1	ug/l	0.25	ND
Aroclor-1242	1	ug/l	0.25	ND
Aroclor-1248	1	ug/l	0.25	ND
Aroclor-1254	1	ug/l	0.25	ND
Aroclor-1260	1	ug/l	0.25	ND
Aroclor-1262	1	ug/l	0.25	ND
Aroclor-1268	1	ug/l	0.25	ND

Semivolatile Organics (no search) 8270

Analyte	DF	Units	RL	Result
1,1'-Biphenyl	1	ug/l	1.9	ND
1,2,4,5-Tetrachlorobenzene	1	ug/l	1.9	ND
1,4-Dioxane	1	ug/l	0.48	ND
2,3,4,6-Tetrachlorophenol	1	ug/l	1.9	ND
2,4,5-Trichlorophenol	1	ug/l	1.9	ND
2,4,6-Trichlorophenol	1	ug/l	1.9	ND
2,4-Dichlorophenol	1	ug/l	0.48	ND
2,4-Dimethylphenol	1	ug/l	1.2	ND
2,4-Dinitrophenol	1	ug/l	9.5	ND
2,4-Dinitrotoluene	1	ug/l	1.9	ND
2,6-Dinitrotoluene	1	ug/l	1.9	ND
2-Chloronaphthalene	1	ug/l	1.9	ND

Sample ID:	**TWP-21-U**
Lab#:	**AD48589-020**
Matrix:	**Aqueous**
Collection Date:	**12/5/2024**
Receipt Date:	**12/9/2024**

2-Chlorophenol	1	ug/l	1.9	ND
2-Methylnaphthalene	1	ug/l	1.9	ND
2-Methylphenol	1	ug/l	0.56	ND
2-Nitroaniline	1	ug/l	1.9	ND
2-Nitrophenol	1	ug/l	1.9	ND
3&4-Methylphenol	1	ug/l	0.52	ND
3,3'-Dichlorobenzidine	1	ug/l	1.9	ND
3-Nitroaniline	1	ug/l	1.9	ND
4,6-Dinitro-2-methylphenol	1	ug/l	9.5	ND
4-Bromophenyl-phenylether	1	ug/l	1.9	ND
4-Chloro-3-methylphenol	1	ug/l	1.9	ND
4-Chloroaniline	1	ug/l	1.9	ND
4-Chlorophenyl-phenylether	1	ug/l	1.9	ND
4-Nitroaniline	1	ug/l	1.9	ND
4-Nitrophenol	1	ug/l	1.9	ND
Acenaphthene	1	ug/l	1.9	ND
Acenaphthylene	1	ug/l	1.9	ND
Acetophenone	1	ug/l	1.9	ND
Anthracene	1	ug/l	1.9	ND
Atrazine	1	ug/l	1.9	ND
Benzaldehyde	1	ug/l	1.9	ND
Benzo[a]anthracene	1	ug/l	1.9	ND
Benzo[a]pyrene	1	ug/l	1.9	ND
Benzo[b]fluoranthene	1	ug/l	1.9	ND
Benzo[g,h,i]perylene	1	ug/l	1.9	ND
Benzo[k]fluoranthene	1	ug/l	1.9	ND
bis(2-Chloroethoxy)methane	1	ug/l	1.9	ND
bis(2-Chloroethyl)ether	1	ug/l	0.48	ND
bis(2-Chloroisopropyl)ether	1	ug/l	1.9	ND
bis(2-Ethylhexyl)phthalate	1	ug/l	1.9	ND
Butylbenzylphthalate	1	ug/l	1.9	ND
Caprolactam	1	ug/l	1.9	ND
Carbazole	1	ug/l	1.9	ND
Chrysene	1	ug/l	1.9	ND
Dibenzo[a,h]anthracene	1	ug/l	1.9	ND
Dibenzofuran	1	ug/l	1.9	ND
Diethylphthalate	1	ug/l	1.9	ND
Dimethylphthalate	1	ug/l	1.9	ND
Di-n-butylphthalate	1	ug/l	1.9	ND
Di-n-octylphthalate	1	ug/l	1.9	ND
Fluoranthene	1	ug/l	1.9	ND
Fluorene	1	ug/l	1.9	ND
Hexachlorobenzene	1	ug/l	1.9	ND
Hexachlorobutadiene	1	ug/l	1.9	ND
Hexachlorocyclopentadiene	1	ug/l	6.1	ND
Hexachloroethane	1	ug/l	1.9	ND
Indeno[1,2,3-cd]pyrene	1	ug/l	1.9	ND
Isophorone	1	ug/l	1.9	ND
Naphthalene	1	ug/l	1.9	ND
Nitrobenzene	1	ug/l	1.9	ND
N-Nitroso-di-n-propylamine	1	ug/l	0.48	ND
N-Nitrosodiphenylamine	1	ug/l	1.9	ND
Pentachlorophenol	1	ug/l	9.5	ND
Phenanthrene	1	ug/l	1.9	ND
Phenol	1	ug/l	1.9	ND
Pyrene	1	ug/l	1.9	ND

Sample ID: TWP-21-U
Lab#: AD48589-020
Matrix: Aqueous

Collection Date: 12/5/2024
Receipt Date: 12/9/2024

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	3300
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	3.7
Barium	1	ug/l	5.0	650
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Calcium	1	ug/l	1000	290000
Chromium	1	ug/l	2.0	12
Cobalt	1	ug/l	2.0	5.3
Copper	1	ug/l	10	35
Iron	1	ug/l	300	17000
Lead	1	ug/l	3.0	68
Magnesium	1	ug/l	1000	44000
Manganese	1	ug/l	10	950
Nickel	1	ug/l	10	ND
Potassium	1	ug/l	1000	15000
Selenium	1	ug/l	10	ND
Silver	1	ug/l	2.0	ND
Sodium	1	ug/l	1000	26000
Thallium	1	ug/l	2.0	ND
Vanadium	1	ug/l	2.0	10
Zinc	1	ug/l	40	220

Volatile Organics (no search) 8260

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	1.0	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropene (Total)	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	1.1

Sample ID: TWP-21-U
Lab#: AD48589-020
Matrix: Aqueous
Collection Date: 12/5/2024
Receipt Date: 12/9/2024

Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	5.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.53	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: TWP-21-F
Lab#: AD48589-021
Matrix: Aqueous

Collection Date: 12/5/2024
Receipt Date: 12/9/2024

Mercury (Water) 7470A

Analyte	DF	Units	RL	Result
Mercury	1	ug/l	0.50	ND

TAL Metals 6020B

Analyte	DF	Units	RL	Result
Aluminum	1	ug/l	200	ND
Antimony	1	ug/l	3.0	ND
Arsenic	1	ug/l	2.0	ND
Barium	**1**	**ug/l**	**5.0**	**480**
Beryllium	1	ug/l	1.0	ND
Cadmium	1	ug/l	2.0	ND
Calcium	**1**	**ug/l**	**1000**	**270000**
Chromium	1	ug/l	2.0	ND
Cobalt	1	ug/l	2.0	ND
Copper	1	ug/l	10	ND
Iron	**1**	**ug/l**	**300**	**2500**
Lead	1	ug/l	3.0	ND
Magnesium	**1**	**ug/l**	**1000**	**41000**
Manganese	**1**	**ug/l**	**10**	**790**
Nickel	1	ug/l	10	ND
Potassium	**1**	**ug/l**	**1000**	**14000**
Selenium	1	ug/l	10	ND
Silver	1	ug/l	2.0	ND
Sodium	**1**	**ug/l**	**1000**	**25000**
Thallium	1	ug/l	2.0	ND
Vanadium	1	ug/l	2.0	ND
Zinc	1	ug/l	40	ND

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48589-001
Client Id: SB-07-9.5-10.0'
Data File: 6M189797.D
Analysis Date: 12/10/24 17:57
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.08g
Final Vol: NA
Dilution: 0.984
Solids: 69

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0029	U	56-23-5	Carbon Tetrachloride	0.0029	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0029	U	108-90-7	Chlorobenzene	0.0029	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0029	U	75-00-3	Chloroethane	0.0029	U
79-00-5	1,1,2-Trichloroethane	0.0029	U	67-66-3	Chloroform	0.0029	U
75-34-3	1,1-Dichloroethane	0.0029	U	74-87-3	Chloromethane	0.0029	U
75-35-4	1,1-Dichloroethene	0.0029	U	156-59-2	cis-1,2-Dichloroethene	0.0029	U
87-61-6	1,2,3-Trichlorobenzene	0.0029	U	10061-01-5	cis-1,3-Dichloropropene	0.0029	U
120-82-1	1,2,4-Trichlorobenzene	0.0029	U	110-82-7	Cyclohexane	0.0029	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0029	U	124-48-1	Dibromochloromethane	0.0029	U
106-93-4	1,2-Dibromoethane	0.0014	U	75-71-8	Dichlorodifluoromethane	0.0029	U
95-50-1	1,2-Dichlorobenzene	0.0029	U	100-41-4	Ethylbenzene	0.0014	U
107-06-2	1,2-Dichloroethane	0.0029	U	98-82-8	Isopropylbenzene	0.0014	U
78-87-5	1,2-Dichloropropane	0.0029	U	79601-23-1	m&p-Xylenes	0.0020	U
541-73-1	1,3-Dichlorobenzene	0.0029	U	79-20-9	Methyl Acetate	0.0029	U
106-46-7	1,4-Dichlorobenzene	0.0029	U	108-87-2	Methylcyclohexane	0.0029	U
123-91-1	1,4-Dioxane	0.14	U	**75-09-2**	**Methylene Chloride**	**0.0029**	**0.0039**
78-93-3	**2-Butanone**	**0.0029**	**0.026**	1634-04-4	Methyl-t-butyl ether	0.0014	U
591-78-6	2-Hexanone	0.0029	U	95-47-6	o-Xylene	0.0014	U
108-10-1	4-Methyl-2-Pentanone	0.0029	U	100-42-5	Styrene	0.0029	U
67-64-1	**Acetone**	**0.014**	**0.14**	127-18-4	Tetrachloroethene	0.0029	U
71-43-2	Benzene	0.0014	U	108-88-3	Toluene	0.0014	U
74-97-5	Bromochloromethane	0.0029	U	156-60-5	trans-1,2-Dichloroethene	0.0029	U
75-27-4	Bromodichloromethane	0.0029	U	10061-02-6	trans-1,3-Dichloropropene	0.0029	U
75-25-2	Bromoform	0.0029	U	79-01-6	Trichloroethene	0.0029	U
74-83-9	Bromomethane	0.0029	U	75-69-4	Trichlorofluoromethane	0.0029	U
75-15-0	Carbon Disulfide	0.0071	U	75-01-4	Vinyl Chloride	0.0029	U
542-75-6	1,3-Dichloropropene (Total)	0.0029	U	1330-20-7	Xylenes (Total)	0.0014	U

Worksheet #: 765269

Total Target Concentration 0.17

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

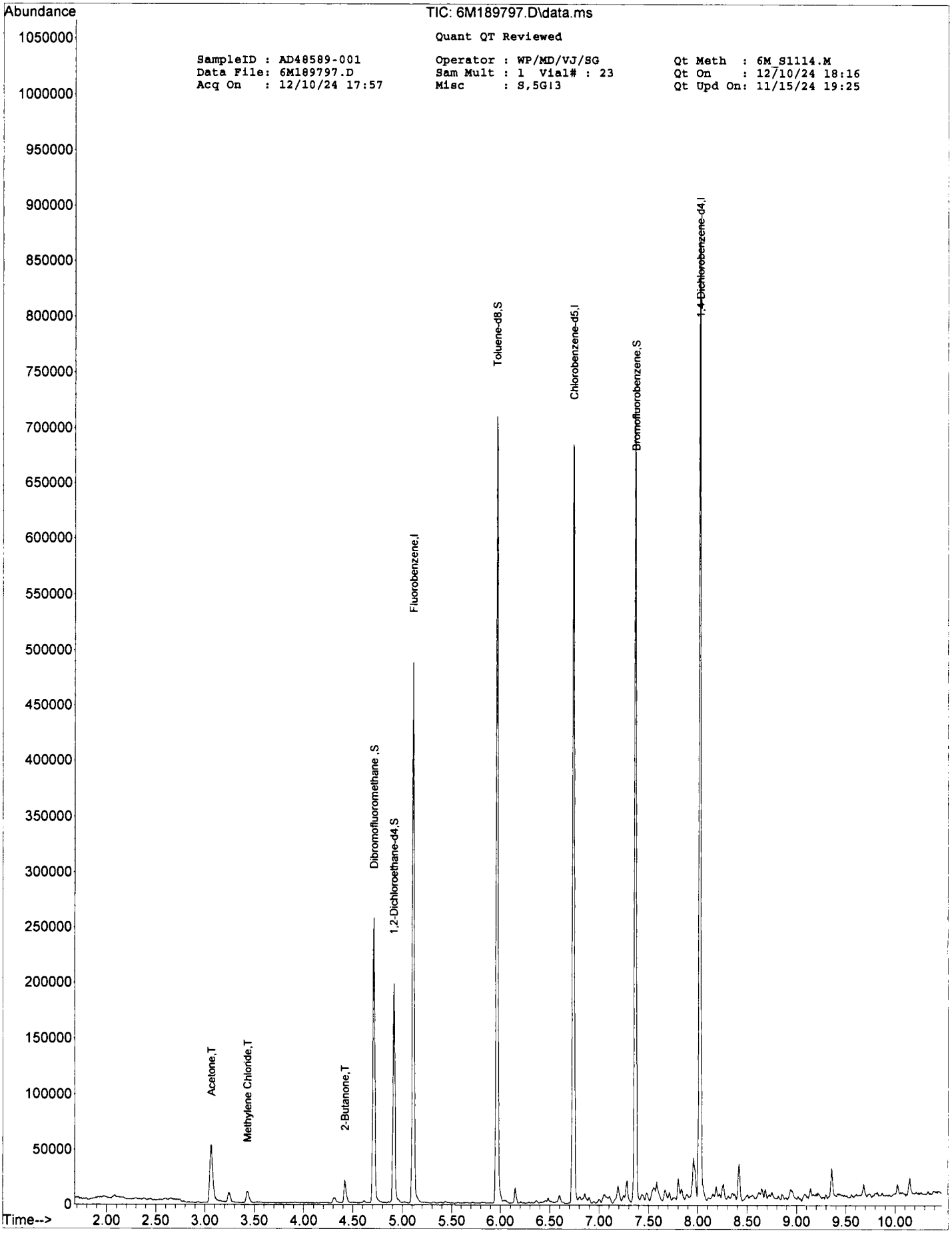
Quantitation Report (QT Reviewed)

SampleID : AD48589-001 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189797.D Sam Mult : 1 Vial# : 23 Qt On : 12/10/24 18:16
Acq On : 12/10/24 17:57 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-10-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	301015	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	301148	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	186497	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.712	111	100651	32.60	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.67%			
39) 1,2-Dichloroethane-d4	4.914	67	48313	35.34	ug/l	0.00
Spiked Amount 30.000			Recovery = 117.80%			
66) Toluene-d8	5.962	98	344418	30.15	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.50%			
76) Bromofluorobenzene	7.371	174	145211	30.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.73%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	6138m	2.7351	ug/l	
19) Acetone	3.066	43	70013m	99.4914	ug/l	
41) 2-Butanone	4.420	43	18167m	18.2903	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189797.D\data.ms
Quant QT Reviewed
SampleID : AD48589-001
Data File: 6M189797.D
Acq On : 12/10/24 17:57
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 23
Misc : S,5G13
Qt Meth : 6M_S1114.M
Qt On : 12/10/24 18:16
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48589-002
Client Id: SB-09-9.5-10.0'
Data File: 6M189798.D
Analysis Date: 12/10/24 18:19
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.72g
Final Vol: NA
Dilution: 0.874
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0020	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	**156-59-2**	**cis-1,2-Dichloroethene**	**0.0020**	**0.017**
87-61-6	1,2,3-Trichlorobenzene	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
120-82-1	1,2,4-Trichlorobenzene	0.0020	U	**110-82-7**	**Cyclohexane**	**0.0020**	**0.017**
96-12-8	1,2-Dibromo-3-Chloropropa	0.0020	U	124-48-1	Dibromochloromethane	0.0020	U
106-93-4	1,2-Dibromoethane	0.0010	U	75-71-8	Dichlorodifluoromethane	0.0020	U
95-50-1	**1,2-Dichlorobenzene**	**0.0020**	**0.010**	**100-41-4**	**Ethylbenzene**	**0.0010**	**0.059**
107-06-2	1,2-Dichloroethane	0.0020	U	**98-82-8**	**Isopropylbenzene**	**0.0010**	**0.021**
78-87-5	1,2-Dichloropropane	0.0020	U	**79601-23-1**	**m&p-Xylenes**	**0.0014**	**0.21**
541-73-1	1,3-Dichlorobenzene	0.0020	U	79-20-9	Methyl Acetate	0.0020	U
106-46-7	**1,4-Dichlorobenzene**	**0.0020**	**0.0052**	**108-87-2**	**Methylcyclohexane**	**0.0020**	**0.046**
123-91-1	1,4-Dioxane	0.10	U	75-09-2	Methylene Chloride	0.0020	U
78-93-3	**2-Butanone**	**0.0020**	**0.070**	1634-04-4	Methyl-t-butyl ether	0.0010	U
591-78-6	2-Hexanone	0.0020	U	**95-47-6**	**o-Xylene**	**0.0010**	**0.11**
108-10-1	4-Methyl-2-Pentanone	0.0020	U	100-42-5	Styrene	0.0020	U
67-64-1	**Acetone**	**0.010**	**0.22**	**127-18-4**	**Tetrachloroethene**	**0.0020**	**0.0038**
71-43-2	**Benzene**	**0.0010**	**0.0095**	**108-88-3**	**Toluene**	**0.0010**	**0.072**
74-97-5	Bromochloromethane	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-25-2	Bromoform	0.0020	U	**79-01-6**	**Trichloroethene**	**0.0020**	**0.075**
74-83-9	Bromomethane	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
75-15-0	Carbon Disulfide	0.0051	U	75-01-4	Vinyl Chloride	0.0020	U
542-75-6	1,3-Dichloropropene (Total)	0.0020	U	**1330-20-7**	**Xylenes (Total)**	**0.0010**	**0.32**

Worksheet #: 765269

Total Target Concentration 0.95

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

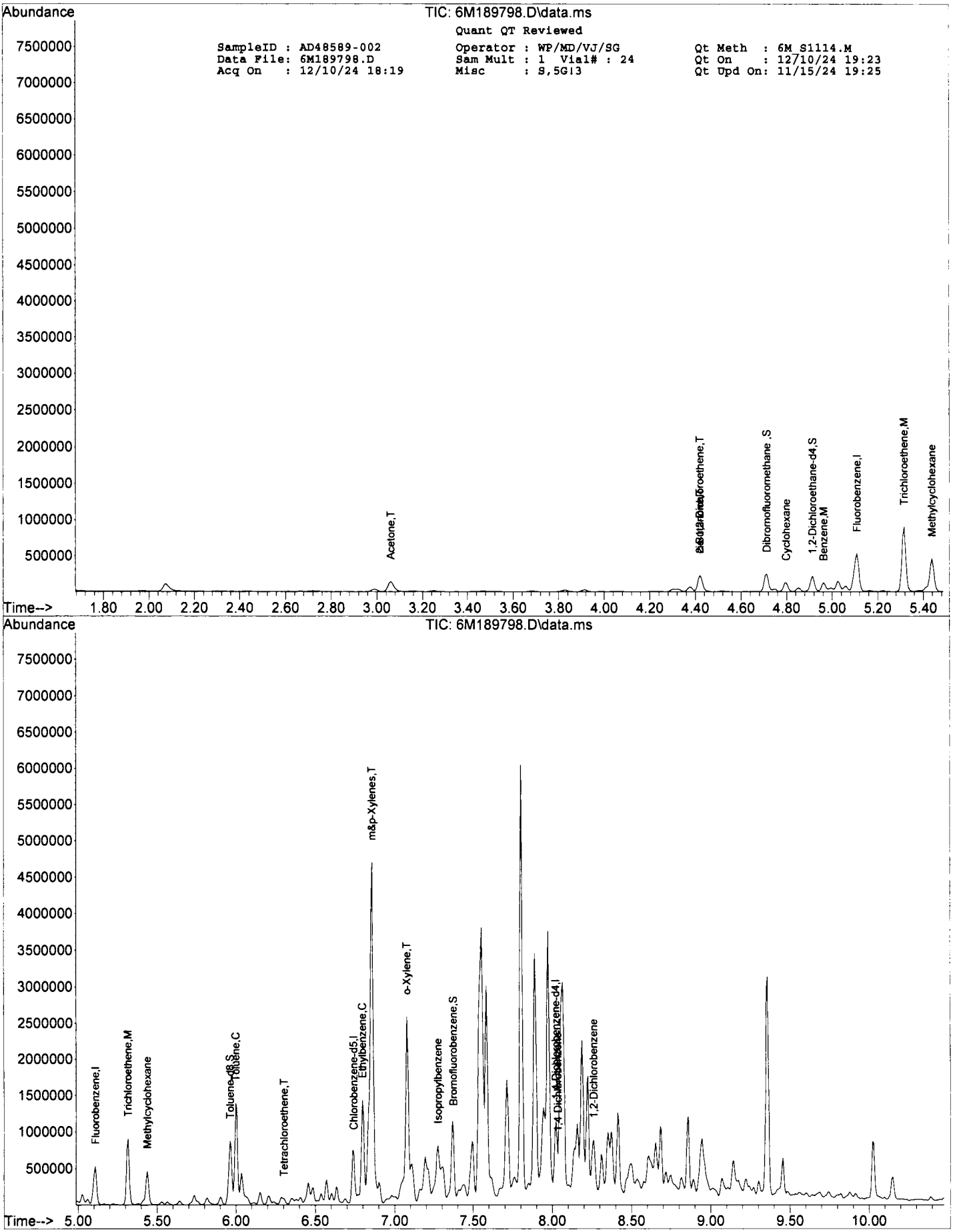
Quantitation Report (QT Reviewed)

SampleID : AD48589-002 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189798.D Sam Mult : 1 Vial# : 24 Qt On : 12/10/24 19:23
Acq On : 12/10/24 18:19 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-10-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	295540	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	295962	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	197674	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	98599	32.53	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.43%			
39) 1,2-Dichloroethane-d4	4.914	67	48456	36.10	ug/l	0.00
Spiked Amount 30.000			Recovery = 120.33%			
66) Toluene-d8	5.962	98	350229	31.20	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.00%			
76) Bromofluorobenzene	7.371	174	156756	31.39	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.63%			
Target Compounds						Qvalue
19) Acetone	3.060	43	152081m	220.1170	ug/l	
30) cis-1,2-Dichloroethene	4.420	61	54989	16.7021	ug/l	96
38) Cyclohexane	4.798	56	36318m	16.6923	ug/l	
41) 2-Butanone	4.420	43	66888m	68.5897	ug/l	
46) Methylcyclohexane	5.438	83	132818	45.1708	ug/l	98
49) Trichloroethene	5.316	130	199571	74.0142	ug/l	94
50) Benzene	4.962	78	72810m	9.3195	ug/l	
65) Tetrachloroethene	6.304	164	8768	3.7770	ug/l	94
67) Toluene	5.999	92	416917	70.7983	ug/l	97
74) Ethylbenzene	6.798	106	198545	58.4763	ug/l	98
78) m&p-Xylenes	6.858	106	958244	205.4174	ug/l	99
79) o-Xylene	7.078	106	506372	108.1548	ug/l	98
82) 1,4-Dichlorobenzene	8.035	146	33625	5.1331	ug/l	86
83) 1,2-Dichlorobenzene	8.261	146	64801	10.0892	ug/l	88
84) Isopropylbenzene	7.273	105	223965	20.5306	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189798.D\data.ms
Quant QT Reviewed
SampleID : AD48589-002
Data File: 6M189798.D
Acq On : 12/10/24 18:19
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 24
Misc : S,5G13
Qt Meth : 6M_S1114.M
Qt On : 12/10/24 19:23
Qt Upd On: 11/15/24 19:25
Acetone,T
Dibromofluoromethane,S
Cyclohexane
1,2-Dichloroethane-d4,S
Benzene,M
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
Time-->
Abundance
TIC: 6M189798.D\data.ms
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane
Toluene-d8,S
Toluene,C
Tetrachloroethene,T
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
o-Xylene,T
Isopropylbenzene
Bromofluorobenzene,S
1,2-Dichlorobenzene
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48589-003
Client Id: SB-12-9.5-10.0'
Data File: 6M189808.D
Analysis Date: 12/10/24 21:57
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.03g
Final Vol: NA
Dilution: 0.994
Solids: 81

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0025	U	56-23-5	Carbon Tetrachloride	0.0025	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	108-90-7	Chlorobenzene	0.0025	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0025	U	75-00-3	Chloroethane	0.0025	U
79-00-5	1,1,2-Trichloroethane	0.0025	U	67-66-3	Chloroform	0.0025	U
75-34-3	1,1-Dichloroethane	0.0025	U	74-87-3	Chloromethane	0.0025	U
75-35-4	1,1-Dichloroethene	0.0025	U	156-59-2	cis-1,2-Dichloroethene	0.0025	U
87-61-6	1,2,3-Trichlorobenzene	0.0025	U	10061-01-5	cis-1,3-Dichloropropene	0.0025	U
120-82-1	1,2,4-Trichlorobenzene	0.0025	U	110-82-7	Cyclohexane	0.0025	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0025	U	124-48-1	Dibromochloromethane	0.0025	U
106-93-4	1,2-Dibromoethane	0.0012	U	75-71-8	Dichlorodifluoromethane	0.0025	U
95-50-1	1,2-Dichlorobenzene	0.0025	U	100-41-4	Ethylbenzene	0.0012	U
107-06-2	1,2-Dichloroethane	0.0025	U	98-82-8	Isopropylbenzene	0.0012	U
78-87-5	1,2-Dichloropropane	0.0025	U	79601-23-1	m&p-Xylenes	0.0017	U
541-73-1	1,3-Dichlorobenzene	0.0025	U	79-20-9	Methyl Acetate	0.0025	U
106-46-7	1,4-Dichlorobenzene	0.0025	U	108-87-2	Methylcyclohexane	0.0025	U
123-91-1	1,4-Dioxane	0.12	U	**75-09-2**	**Methylene Chloride**	**0.0025**	**0.021**
78-93-3	**2-Butanone**	**0.0025**	**0.0040**	1634-04-4	Methyl-t-butyl ether	0.0012	U
591-78-6	2-Hexanone	0.0025	U	95-47-6	o-Xylene	0.0012	U
108-10-1	4-Methyl-2-Pentanone	0.0025	U	100-42-5	Styrene	0.0025	U
67-64-1	**Acetone**	**0.012**	**0.045**	127-18-4	Tetrachloroethene	0.0025	U
71-43-2	Benzene	0.0012	U	108-88-3	Toluene	0.0012	U
74-97-5	Bromochloromethane	0.0025	U	156-60-5	trans-1,2-Dichloroethene	0.0025	U
75-27-4	Bromodichloromethane	0.0025	U	10061-02-6	trans-1,3-Dichloropropene	0.0025	U
75-25-2	Bromoform	0.0025	U	79-01-6	Trichloroethene	0.0025	U
74-83-9	Bromomethane	0.0025	U	75-69-4	Trichlorofluoromethane	0.0025	U
75-15-0	Carbon Disulfide	0.0061	U	75-01-4	Vinyl Chloride	0.0025	U
542-75-6	1,3-Dichloropropene (Total)	0.0025	U	1330-20-7	Xylenes (Total)	0.0012	U

Worksheet #: 765269

Total Target Concentration 0.07

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

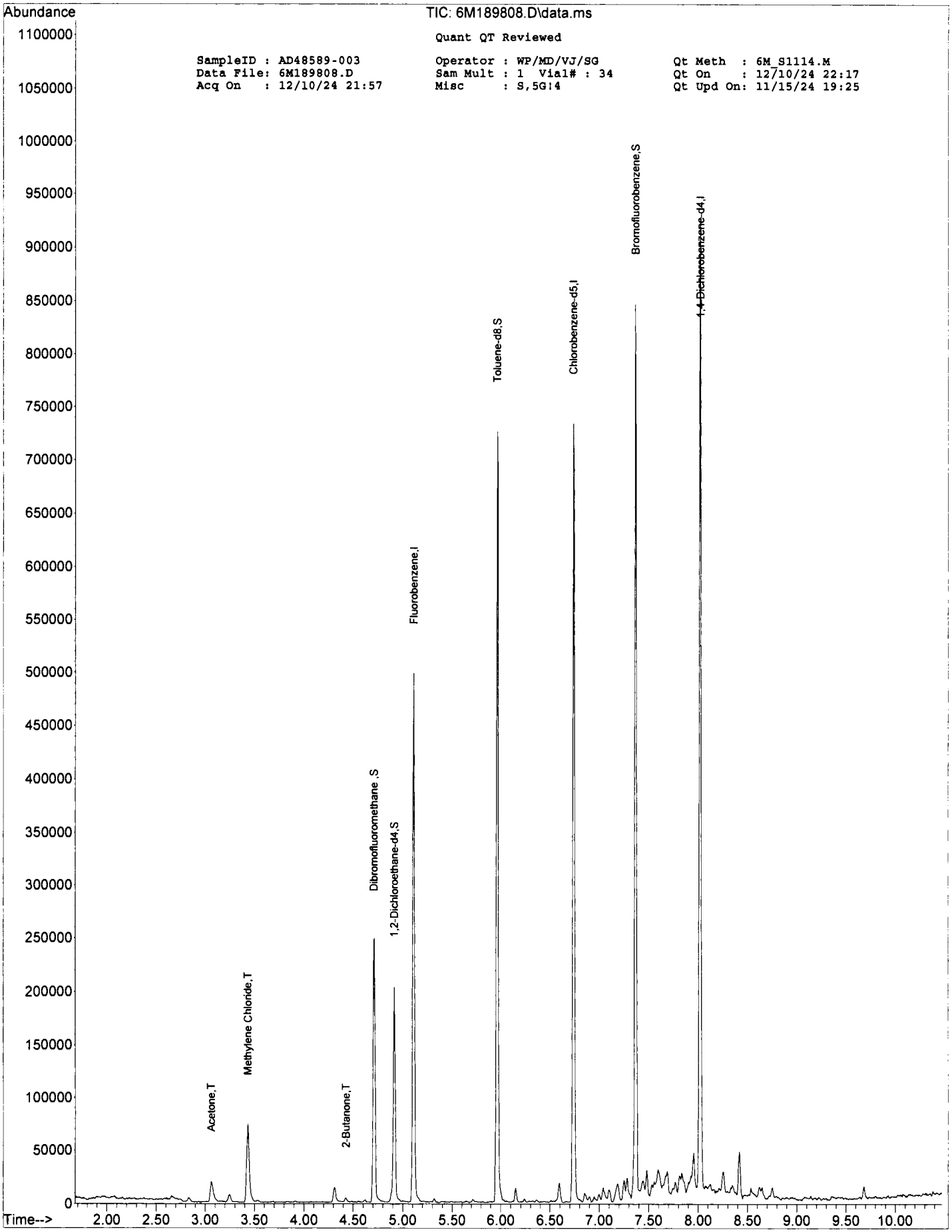
Quantitation Report (QT Reviewed)

SampleID : AD48589-003 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189808.D Sam Mult : 1 Vial# : 34 Qt On : 12/10/24 22:17
Acq On : 12/10/24 21:57 Misc : S,5G!4 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-10-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	306703	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.737	117	317036	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	199745	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.707	111	101291	32.20	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.33%			
39) 1,2-Dichloroethane-d4	4.914	67	47189	33.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.93%			
66) Toluene-d8	5.962	98	358626	29.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.40%			
76) Bromofluorobenzene	7.365	174	157527	31.22	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.07%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	38951	17.0344	ug/l	66
19) Acetone	3.061	43	26023m	36.2939	ug/l	
41) 2-Butanone	4.426	43	3308m	3.2687	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189808.D\data.ms
Quant QT Reviewed
SampleID : AD48589-003
Data File: 6M189808.D
Acq On : 12/10/24 21:57
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 34
Misc : S,5G!4
Qt Meth : 6M_S1114.M
Qt On : 12/10/24 22:17
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48589-004
Client Id: SB-13-9.5-10.0'
Data File: 6M189800.D
Analysis Date: 12/10/24 19:03
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.13g
Final Vol: NA
Dilution: 0.975
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0023	U	56-23-5	Carbon Tetrachloride	0.0023	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	108-90-7	Chlorobenzene	0.0023	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0023	U	75-00-3	Chloroethane	0.0023	U
79-00-5	1,1,2-Trichloroethane	0.0023	U	67-66-3	Chloroform	0.0023	U
75-34-3	1,1-Dichloroethane	0.0023	U	74-87-3	Chloromethane	0.0023	U
75-35-4	1,1-Dichloroethene	0.0023	U	156-59-2	cis-1,2-Dichloroethene	0.0023	U
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	10061-01-5	cis-1,3-Dichloropropene	0.0023	U
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	110-82-7	Cyclohexane	0.0023	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0023	U	124-48-1	Dibromochloromethane	0.0023	U
106-93-4	1,2-Dibromoethane	0.0011	U	75-71-8	Dichlorodifluoromethane	0.0023	U
95-50-1	1,2-Dichlorobenzene	0.0023	U	100-41-4	Ethylbenzene	0.0011	U
107-06-2	1,2-Dichloroethane	0.0023	U	98-82-8	Isopropylbenzene	0.0011	U
78-87-5	1,2-Dichloropropane	0.0023	U	79601-23-1	m&p-Xylenes	0.0016	U
541-73-1	1,3-Dichlorobenzene	0.0023	U	79-20-9	Methyl Acetate	0.0023	U
106-46-7	1,4-Dichlorobenzene	0.0023	U	108-87-2	Methylcyclohexane	0.0023	U
123-91-1	1,4-Dioxane	0.11	U	**75-09-2**	**Methylene Chloride**	**0.0023**	**0.0084**
78-93-3	**2-Butanone**	**0.0023**	**0.0047**	1634-04-4	Methyl-t-butyl ether	0.0011	U
591-78-6	2-Hexanone	0.0023	U	95-47-6	o-Xylene	0.0011	U
108-10-1	4-Methyl-2-Pentanone	0.0023	U	100-42-5	Styrene	0.0023	U
67-64-1	**Acetone**	**0.011**	**0.040**	127-18-4	Tetrachloroethene	0.0023	U
71-43-2	Benzene	0.0011	U	108-88-3	Toluene	0.0011	U
74-97-5	Bromochloromethane	0.0023	U	156-60-5	trans-1,2-Dichloroethene	0.0023	U
75-27-4	Bromodichloromethane	0.0023	U	10061-02-6	trans-1,3-Dichloropropene	0.0023	U
75-25-2	Bromoform	0.0023	U	79-01-6	Trichloroethene	0.0023	U
74-83-9	Bromomethane	0.0023	U	75-69-4	Trichlorofluoromethane	0.0023	U
75-15-0	Carbon Disulfide	0.0057	U	75-01-4	Vinyl Chloride	0.0023	U
542-75-6	1,3-Dichloropropene (Total)	0.0023	U	1330-20-7	Xylenes (Total)	0.0011	U

Worksheet #: 765269

Total Target Concentration 0.053

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

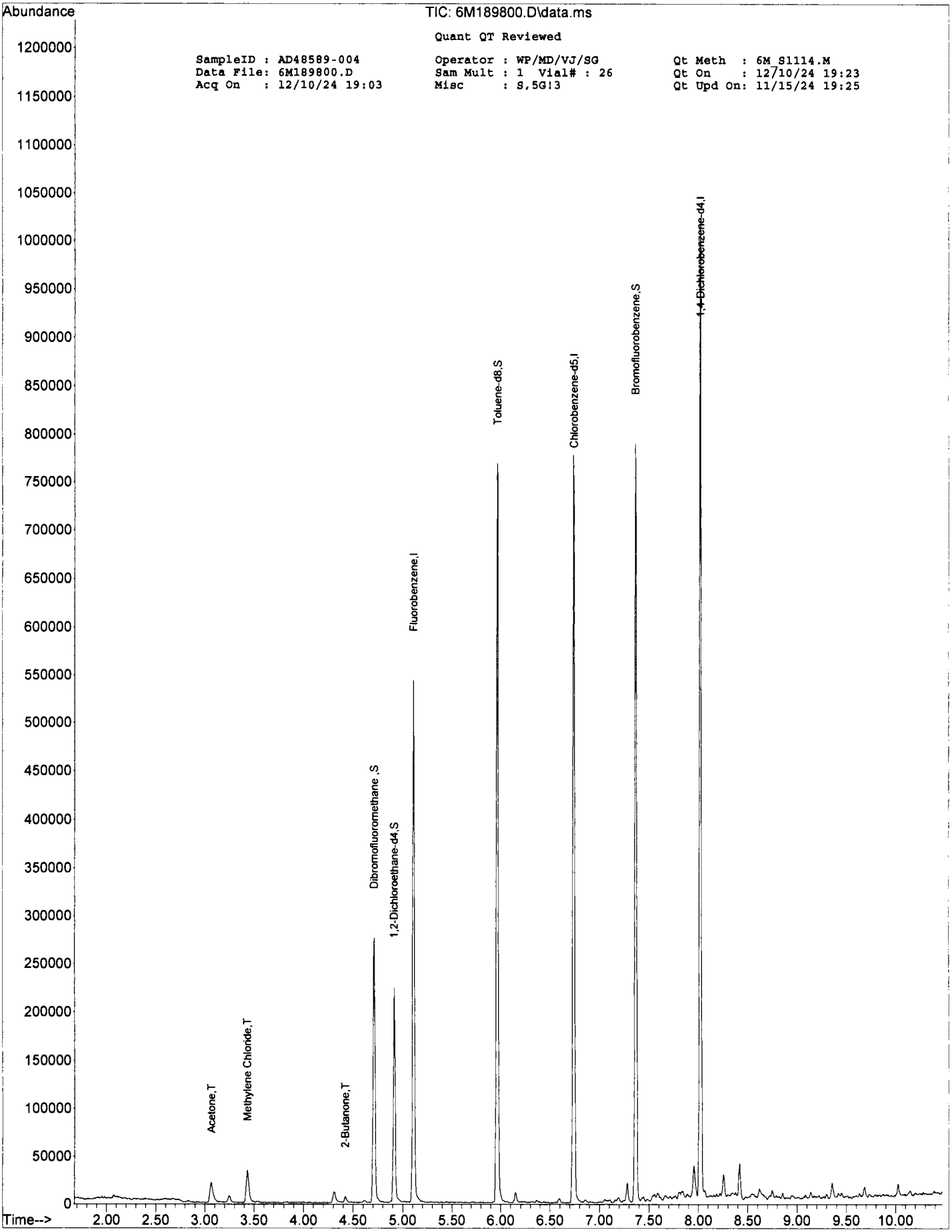
Quantitation Report (QT Reviewed)

SampleID : AD48589-004 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189800.D Sam Mult : 1 Vial# : 26 Qt On : 12/10/24 19:23
Acq On : 12/10/24 19:03 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-10-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	335108	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	337998	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	212388	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	108464	31.55	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.17%			
39) 1,2-Dichloroethane-d4	4.914	67	50662	33.29	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.97%			
66) Toluene-d8	5.968	98	391362	30.53	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.77%			
76) Bromofluorobenzene	7.365	174	171178	31.90	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.33%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	18415	7.3708	ug/l	57
19) Acetone	3.067	43	27712	35.3735	ug/l	93
41) 2-Butanone	4.420	43	4632m	4.1890	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189800.D\data.ms
Quant QT Reviewed
SampleID : AD48589-004
Data File: 6M189800.D
Acq On : 12/10/24 19:03
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 26
Misc : S,5G!3
Qt Meth : 6M_S1114.M
Qt On : 12/10/24 19:23
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48589-005
Client Id: SB-18-7.5-8.0'
Data File: 6M189801.D
Analysis Date: 12/10/24 19:24
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.44g
Final Vol: NA
Dilution: 0.919
Solids: 78

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0024	U	56-23-5	Carbon Tetrachloride	0.0024	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0024	U	108-90-7	Chlorobenzene	0.0024	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0024	U	75-00-3	Chloroethane	0.0024	U
79-00-5	1,1,2-Trichloroethane	0.0024	U	67-66-3	Chloroform	0.0024	U
75-34-3	1,1-Dichloroethane	0.0024	U	74-87-3	Chloromethane	0.0024	U
75-35-4	1,1-Dichloroethene	0.0024	U	156-59-2	cis-1,2-Dichloroethene	0.0024	U
87-61-6	1,2,3-Trichlorobenzene	0.0024	U	10061-01-5	cis-1,3-Dichloropropene	0.0024	U
120-82-1	1,2,4-Trichlorobenzene	0.0024	U	110-82-7	Cyclohexane	0.0024	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0024	U	124-48-1	Dibromochloromethane	0.0024	U
106-93-4	1,2-Dibromoethane	0.0012	U	75-71-8	Dichlorodifluoromethane	0.0024	U
95-50-1	1,2-Dichlorobenzene	0.0024	U	100-41-4	Ethylbenzene	0.0012	U
107-06-2	1,2-Dichloroethane	0.0024	U	98-82-8	Isopropylbenzene	0.0012	U
78-87-5	1,2-Dichloropropane	0.0024	U	79601-23-1	m&p-Xylenes	0.0016	U
541-73-1	1,3-Dichlorobenzene	0.0024	U	79-20-9	Methyl Acetate	0.0024	U
106-46-7	1,4-Dichlorobenzene	0.0024	U	108-87-2	Methylcyclohexane	0.0024	U
123-91-1	1,4-Dioxane	0.12	U	**75-09-2**	**Methylene Chloride**	**0.0024**	**0.0097**
78-93-3	2-Butanone	0.0024	U	1634-04-4	Methyl-t-butyl ether	0.0012	U
591-78-6	2-Hexanone	0.0024	U	95-47-6	o-Xylene	0.0012	U
108-10-1	4-Methyl-2-Pentanone	0.0024	U	100-42-5	Styrene	0.0024	U
67-64-1	Acetone	0.012	U	127-18-4	Tetrachloroethene	0.0024	U
71-43-2	Benzene	0.0012	U	108-88-3	Toluene	0.0012	U
74-97-5	Bromochloromethane	0.0024	U	156-60-5	trans-1,2-Dichloroethene	0.0024	U
75-27-4	Bromodichloromethane	0.0024	U	10061-02-6	trans-1,3-Dichloropropene	0.0024	U
75-25-2	Bromoform	0.0024	U	79-01-6	Trichloroethene	0.0024	U
74-83-9	Bromomethane	0.0024	U	75-69-4	Trichlorofluoromethane	0.0024	U
75-15-0	Carbon Disulfide	0.0059	U	75-01-4	Vinyl Chloride	0.0024	U
542-75-6	1,3-Dichloropropene (Total)	0.0024	U	1330-20-7	Xylenes (Total)	0.0012	U

Worksheet #: 765269

Total Target Concentration 0.0097

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

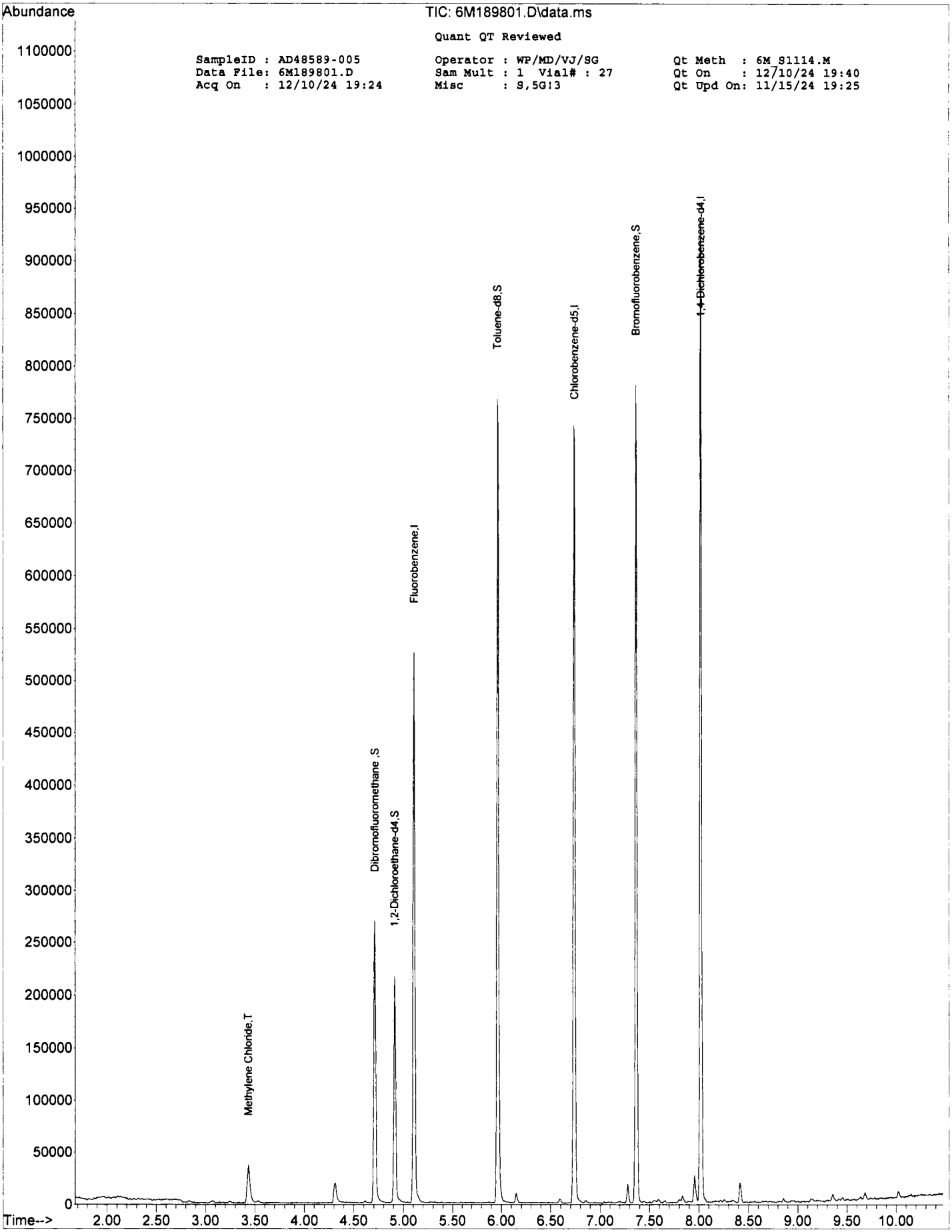
Quantitation Report (QT Reviewed)

SampleID : AD48589-005 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189801.D Sam Mult : 1 Vial# : 27 Qt On : 12/10/24 19:40
Acq On : 12/10/24 19:24 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-10-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	326305	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	330650	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	204418	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	106858	31.93	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.43%			
39) 1,2-Dichloroethane-d4	4.914	67	52069	35.14	ug/l	0.00
Spiked Amount 30.000			Recovery = 117.13%			
66) Toluene-d8	5.962	98	380492	30.34	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.13%			
76) Bromofluorobenzene	7.365	174	160211	31.02	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.40%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	19951	8.2010	ug/l	63

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189801.D\data.ms
Quant QT Reviewed
SampleID : AD48589-005
Data File: 6M189801.D
Acq On : 12/10/24 19:24
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 27
Misc : S,5G!3
Qt Meth : 6M_S1114.M
Qt On : 12/10/24 19:40
Qt Upd On: 11/15/24 19:25
Methylene Chloride,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48589-006
Client Id: SB-21-7.5-8.0'
Data File: 6M189802.D
Analysis Date: 12/10/24 19:46
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.15g
Final Vol: NA
Dilution: 0.971
Solids: 79

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0025	U	56-23-5	Carbon Tetrachloride	0.0025	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0025	U	108-90-7	Chlorobenzene	0.0025	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0025	U	75-00-3	Chloroethane	0.0025	U
79-00-5	1,1,2-Trichloroethane	0.0025	U	67-66-3	Chloroform	0.0025	U
75-34-3	1,1-Dichloroethane	0.0025	U	74-87-3	Chloromethane	0.0025	U
75-35-4	1,1-Dichloroethene	0.0025	U	156-59-2	cis-1,2-Dichloroethene	0.0025	U
87-61-6	1,2,3-Trichlorobenzene	0.0025	U	10061-01-5	cis-1,3-Dichloropropene	0.0025	U
120-82-1	1,2,4-Trichlorobenzene	0.0025	U	110-82-7	Cyclohexane	0.0025	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0025	U	124-48-1	Dibromochloromethane	0.0025	U
106-93-4	1,2-Dibromoethane	0.0012	U	75-71-8	Dichlorodifluoromethane	0.0025	U
95-50-1	1,2-Dichlorobenzene	0.0025	U	100-41-4	Ethylbenzene	0.0012	U
107-06-2	1,2-Dichloroethane	0.0025	U	**98-82-8**	**Isopropylbenzene**	**0.0012**	**0.0014**
78-87-5	1,2-Dichloropropane	0.0025	U	79601-23-1	m&p-Xylenes	0.0017	U
541-73-1	1,3-Dichlorobenzene	0.0025	U	79-20-9	Methyl Acetate	0.0025	U
106-46-7	1,4-Dichlorobenzene	0.0025	U	108-87-2	Methylcyclohexane	0.0025	U
123-91-1	1,4-Dioxane	0.12	U	**75-09-2**	**Methylene Chloride**	**0.0025**	**0.010**
78-93-3	**2-Butanone**	**0.0025**	**0.025**	1634-04-4	Methyl-t-butyl ether	0.0012	U
591-78-6	2-Hexanone	0.0025	U	95-47-6	o-Xylene	0.0012	U
108-10-1	4-Methyl-2-Pentanone	0.0025	U	100-42-5	Styrene	0.0025	U
67-64-1	**Acetone**	**0.012**	**0.12**	127-18-4	Tetrachloroethene	0.0025	U
71-43-2	Benzene	0.0012	U	108-88-3	Toluene	0.0012	U
74-97-5	Bromochloromethane	0.0025	U	156-60-5	trans-1,2-Dichloroethene	0.0025	U
75-27-4	Bromodichloromethane	0.0025	U	10061-02-6	trans-1,3-Dichloropropene	0.0025	U
75-25-2	Bromoform	0.0025	U	79-01-6	Trichloroethene	0.0025	U
74-83-9	Bromomethane	0.0025	U	75-69-4	Trichlorofluoromethane	0.0025	U
75-15-0	Carbon Disulfide	0.0061	U	75-01-4	Vinyl Chloride	0.0025	U
542-75-6	1,3-Dichloropropene (Total)	0.0025	U	1330-20-7	Xylenes (Total)	0.0012	U

Worksheet #: 765269

Total Target Concentration 0.16

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

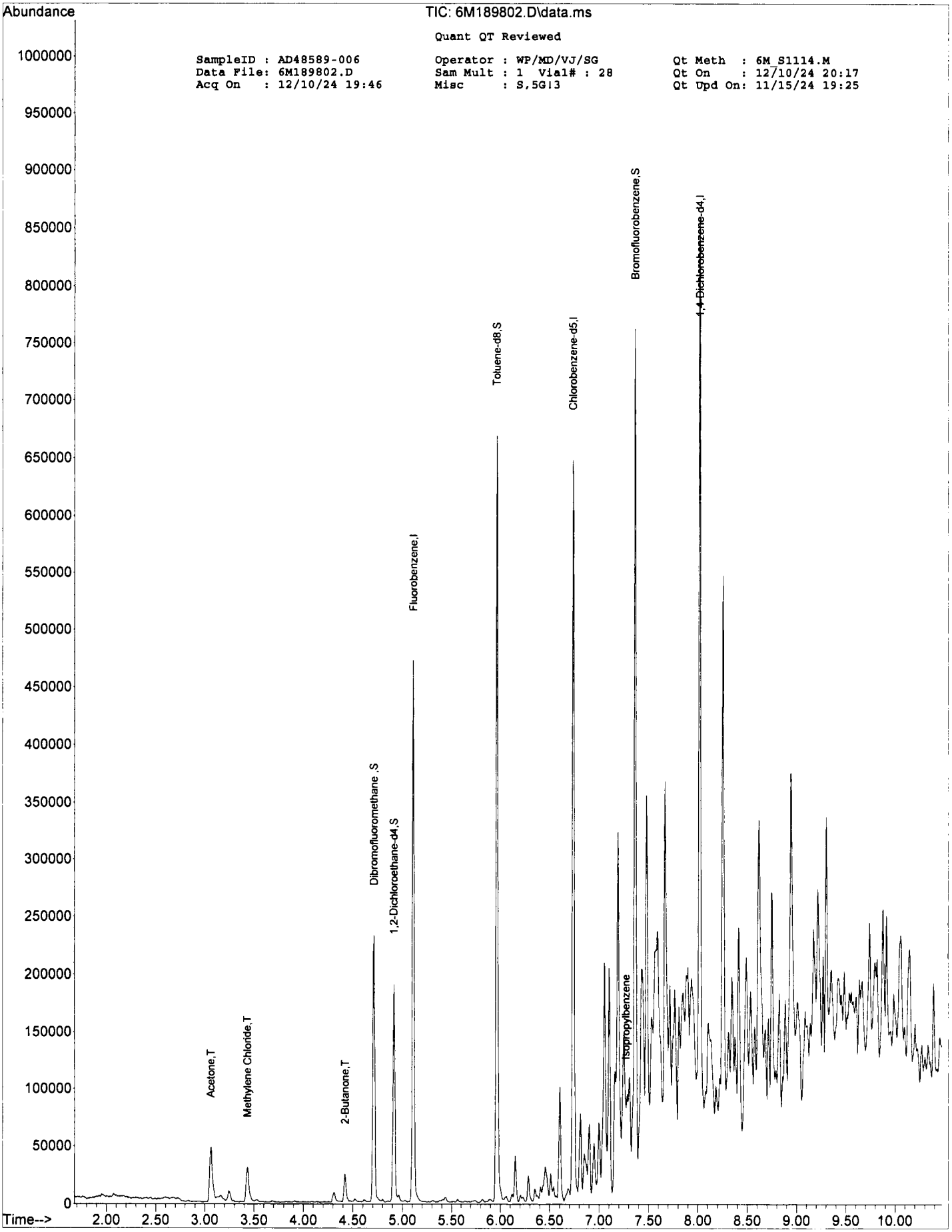
Quantitation Report (QT Reviewed)

SampleID : AD48589-006 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189802.D Sam Mult : 1 Vial# : 28 Qt On : 12/10/24 20:17
Acq On : 12/10/24 19:46 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-10-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	281061	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.737	117	279111	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	169121	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	91537	31.75	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.83%			
39) 1,2-Dichloroethane-d4	4.914	67	44826	35.12	ug/l	0.00
Spiked Amount 30.000			Recovery = 117.07%			
66) Toluene-d8	5.962	98	326946	30.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.93%			
76) Bromofluorobenzene	7.365	174	134174	31.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.67%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	17621	8.4092	ug/l	61
19) Acetone	3.061	43	62387	94.9486	ug/l	91
41) 2-Butanone	4.420	43	18863m	20.3393	ug/l	
84) Isopropylbenzene	7.273	105	10583	1.1339	ug/l	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189802.D\data.ms
Quant QT Reviewed
SampleID : AD48589-006
Data File: 6M189802.D
Acq On : 12/10/24 19:46
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 28
Misc : S,5G!3
Qt Meth : 6M_S1114.M
Qt On : 12/10/24 20:17
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Isopropylbenzene
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48589-007
Client Id: SB-10-7.5-8.0'
Data File: 6M189803.D
Analysis Date: 12/10/24 20:08
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.94g
Final Vol: NA
Dilution: 0.842
Solids: 87

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0019	U	56-23-5	Carbon Tetrachloride	0.0019	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0019	U	108-90-7	Chlorobenzene	0.0019	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0019	U	75-00-3	Chloroethane	0.0019	U
79-00-5	1,1,2-Trichloroethane	0.0019	U	67-66-3	Chloroform	0.0019	U
75-34-3	1,1-Dichloroethane	0.0019	U	74-87-3	Chloromethane	0.0019	U
75-35-4	1,1-Dichloroethene	0.0019	U	156-59-2	cis-1,2-Dichloroethene	0.0019	U
87-61-6	1,2,3-Trichlorobenzene	0.0019	U	10061-01-5	cis-1,3-Dichloropropene	0.0019	U
120-82-1	1,2,4-Trichlorobenzene	0.0019	U	110-82-7	Cyclohexane	0.0019	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0019	U	124-48-1	Dibromochloromethane	0.0019	U
106-93-4	1,2-Dibromoethane	0.00097	U	75-71-8	Dichlorodifluoromethane	0.0019	U
95-50-1	1,2-Dichlorobenzene	0.0019	U	100-41-4	Ethylbenzene	0.00097	U
107-06-2	1,2-Dichloroethane	0.0019	U	98-82-8	Isopropylbenzene	0.00097	U
78-87-5	1,2-Dichloropropane	0.0019	U	79601-23-1	m&p-Xylenes	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.0019	U	79-20-9	Methyl Acetate	0.0019	U
106-46-7	1,4-Dichlorobenzene	0.0019	U	108-87-2	Methylcyclohexane	0.0019	U
123-91-1	1,4-Dioxane	0.097	U	**75-09-2**	**Methylene Chloride**	**0.0019**	**0.0091**
78-93-3	**2-Butanone**	**0.0019**	**0.015**	1634-04-4	Methyl-t-butyl ether	0.00097	U
591-78-6	2-Hexanone	0.0019	U	95-47-6	o-Xylene	0.00097	U
108-10-1	4-Methyl-2-Pentanone	0.0019	U	100-42-5	Styrene	0.0019	U
67-64-1	**Acetone**	**0.0097**	**0.086**	127-18-4	Tetrachloroethene	0.0019	U
71-43-2	Benzene	0.00097	U	108-88-3	Toluene	0.00097	U
74-97-5	Bromochloromethane	0.0019	U	156-60-5	trans-1,2-Dichloroethene	0.0019	U
75-27-4	Bromodichloromethane	0.0019	U	10061-02-6	trans-1,3-Dichloropropene	0.0019	U
75-25-2	Bromoform	0.0019	U	79-01-6	Trichloroethene	0.0019	U
74-83-9	Bromomethane	0.0019	U	75-69-4	Trichlorofluoromethane	0.0019	U
75-15-0	Carbon Disulfide	0.0048	U	75-01-4	Vinyl Chloride	0.0019	U
542-75-6	1,3-Dichloropropene (Total)	0.0019	U	1330-20-7	Xylenes (Total)	0.00097	U

Worksheet #: 765269

Total Target Concentration 0.11

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

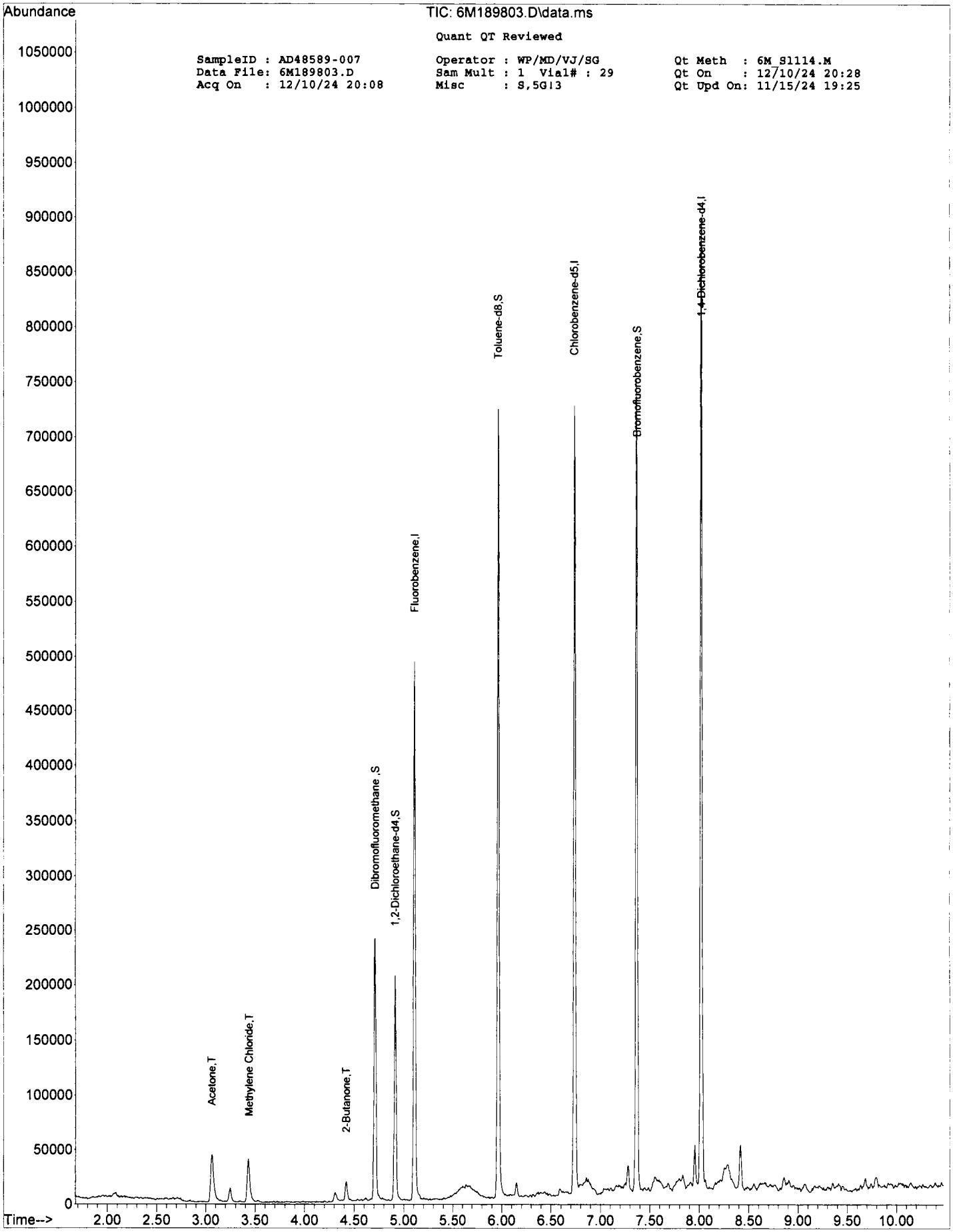
Quantitation Report (QT Reviewed)

SampleID : AD48589-007 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189803.D Sam Mult : 1 Vial# : 29 Qt On : 12/10/24 20:28
Acq On : 12/10/24 20:08 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-10-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	301519	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.737	117	309648	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	195251	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	97810	31.63	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.43%			
39) 1,2-Dichloroethane-d4	4.914	67	47820	34.92	ug/l	0.00
Spiked Amount 30.000			Recovery = 116.40%			
66) Toluene-d8	5.962	98	355621	30.28	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.93%			
76) Bromofluorobenzene	7.371	174	152234	30.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.87%			
Target Compounds						Qvalue
15) Methylene Chloride	3.439	84	21118	9.3943	ug/l	55
19) Acetone	3.061	43	63015m	89.3972	ug/l	
41) 2-Butanone	4.420	43	15300m	15.3781	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed Q


Abundance
TIC: 6M189803.D\data.ms
Quant QT Reviewed
SampleID : AD48589-007
Data File: 6M189803.D
Acq On : 12/10/24 20:08
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 29
Misc : S,5G13
Qt Meth : 6M_S1114.M
Qt On : 12/10/24 20:28
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48589-008
Client Id: SB-11-7.5-8.0'
Data File: 6M189804.D
Analysis Date: 12/10/24 20:30
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.88g
Final Vol: NA
Dilution: 0.850
Solids: 73

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0023	U	56-23-5	Carbon Tetrachloride	0.0023	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	108-90-7	Chlorobenzene	0.0023	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0023	U	75-00-3	Chloroethane	0.0023	U
79-00-5	1,1,2-Trichloroethane	0.0023	U	67-66-3	Chloroform	0.0023	U
75-34-3	1,1-Dichloroethane	0.0023	U	74-87-3	Chloromethane	0.0023	U
75-35-4	1,1-Dichloroethene	0.0023	U	156-59-2	cis-1,2-Dichloroethene	0.0023	U
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	10061-01-5	cis-1,3-Dichloropropene	0.0023	U
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	110-82-7	Cyclohexane	0.0023	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0023	U	124-48-1	Dibromochloromethane	0.0023	U
106-93-4	1,2-Dibromoethane	0.0012	U	75-71-8	Dichlorodifluoromethane	0.0023	U
95-50-1	1,2-Dichlorobenzene	0.0023	U	100-41-4	Ethylbenzene	0.0012	U
107-06-2	1,2-Dichloroethane	0.0023	U	98-82-8	Isopropylbenzene	0.0012	U
78-87-5	1,2-Dichloropropane	0.0023	U	79601-23-1	m&p-Xylenes	0.0016	U
541-73-1	1,3-Dichlorobenzene	0.0023	U	79-20-9	Methyl Acetate	0.0023	U
106-46-7	1,4-Dichlorobenzene	0.0023	U	108-87-2	Methylcyclohexane	0.0023	U
123-91-1	1,4-Dioxane	0.12	U	**75-09-2**	**Methylene Chloride**	**0.0023**	**0.012**
78-93-3	**2-Butanone**	**0.0023**	**0.0067**	1634-04-4	Methyl-t-butyl ether	0.0012	U
591-78-6	2-Hexanone	0.0023	U	95-47-6	o-Xylene	0.0012	U
108-10-1	4-Methyl-2-Pentanone	0.0023	U	100-42-5	Styrene	0.0023	U
67-64-1	**Acetone**	**0.012**	**0.055**	127-18-4	Tetrachloroethene	0.0023	U
71-43-2	Benzene	0.0012	U	108-88-3	Toluene	0.0012	U
74-97-5	Bromochloromethane	0.0023	U	156-60-5	trans-1,2-Dichloroethene	0.0023	U
75-27-4	Bromodichloromethane	0.0023	U	10061-02-6	trans-1,3-Dichloropropene	0.0023	U
75-25-2	Bromoform	0.0023	U	79-01-6	Trichloroethene	0.0023	U
74-83-9	Bromomethane	0.0023	U	75-69-4	Trichlorofluoromethane	0.0023	U
75-15-0	Carbon Disulfide	0.0058	U	75-01-4	Vinyl Chloride	0.0023	U
542-75-6	1,3-Dichloropropene (Total)	0.0023	U	1330-20-7	Xylenes (Total)	0.0012	U

Worksheet #: 765269

Total Target Concentration 0.074

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

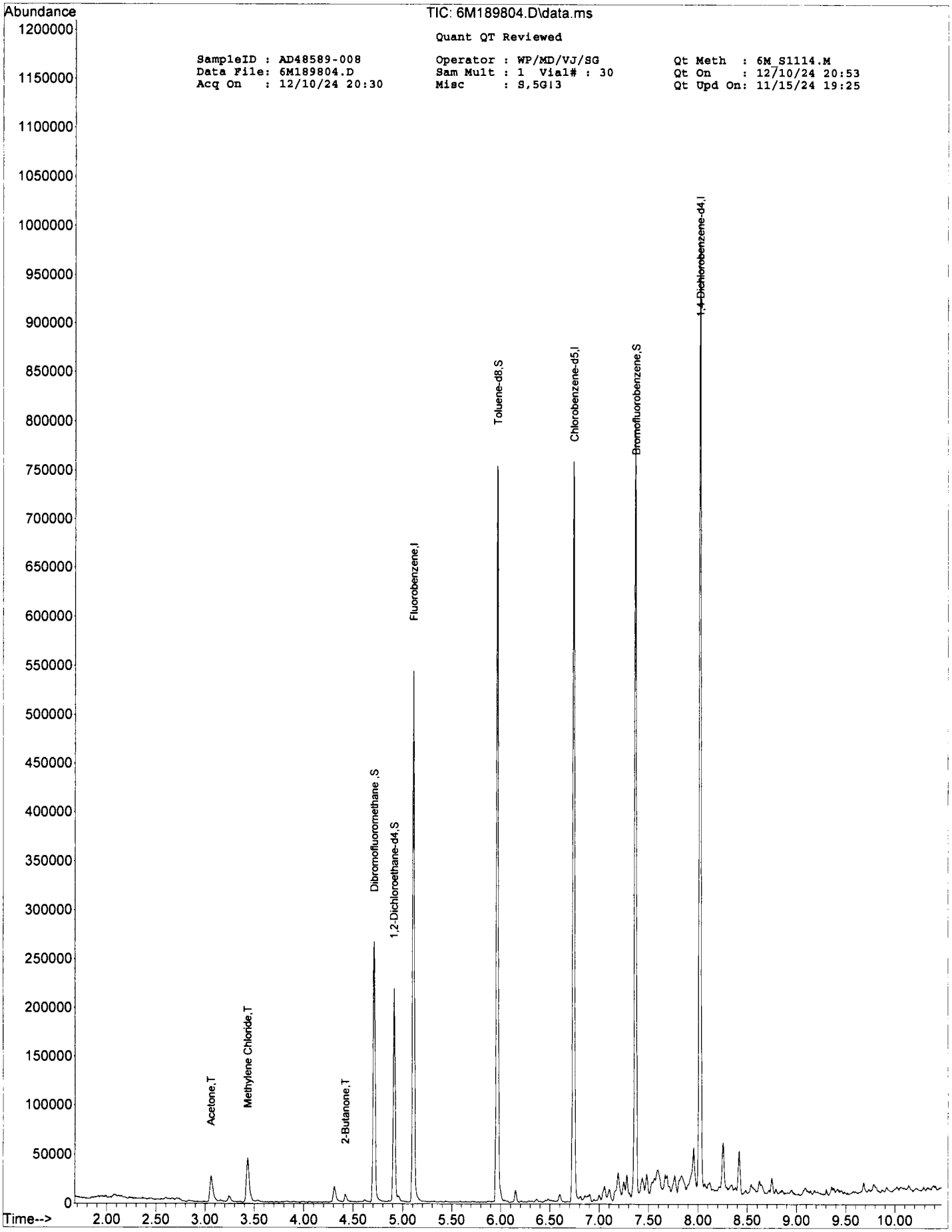
Quantitation Report (QT Reviewed)

SampleID : AD48589-008 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189804.D Sam Mult : 1 Vial# : 30 Qt On : 12/10/24 20:53
Acq On : 12/10/24 20:30 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-10-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	325104	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	333490	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	208782	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	107211	32.15	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.17%			
39) 1,2-Dichloroethane-d4	4.914	67	52498	35.56	ug/l	0.00
Spiked Amount 30.000			Recovery = 118.53%			
66) Toluene-d8	5.968	98	381923	30.20	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.67%			
76) Bromofluorobenzene	7.371	174	167243	31.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.70%			
Target Compounds						Qvalue
15) Methylene Chloride	3.432	84	25605	10.5640	ug/l	66
19) Acetone	3.060	43	35997	47.3630	ug/l	96
41) 2-Butanone	4.420	43	6163m	5.7451	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189804.D\data.ms
Quant QT Reviewed
SampleID : AD48589-008
Data File: 6M189804.D
Acq On : 12/10/24 20:30
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 30
Misc : S,5G|3
Qt Meth : 6M_S1114.M
Qt On : 12/10/24 20:53
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48589-009
Client Id: SB-11-7.5-8.0 DUP
Data File: 6M189805.D
Analysis Date: 12/10/24 20:51
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.49g
Final Vol: NA
Dilution: 0.911
Solids: 79

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0023	U	56-23-5	Carbon Tetrachloride	0.0023	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	108-90-7	Chlorobenzene	0.0023	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0023	U	75-00-3	Chloroethane	0.0023	U
79-00-5	1,1,2-Trichloroethane	0.0023	U	67-66-3	Chloroform	0.0023	U
75-34-3	1,1-Dichloroethane	0.0023	U	74-87-3	Chloromethane	0.0023	U
75-35-4	1,1-Dichloroethene	0.0023	U	156-59-2	cis-1,2-Dichloroethene	0.0023	U
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	10061-01-5	cis-1,3-Dichloropropene	0.0023	U
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	110-82-7	Cyclohexane	0.0023	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0023	U	124-48-1	Dibromochloromethane	0.0023	U
106-93-4	1,2-Dibromoethane	0.0012	U	75-71-8	Dichlorodifluoromethane	0.0023	U
95-50-1	1,2-Dichlorobenzene	0.0023	U	100-41-4	Ethylbenzene	0.0012	U
107-06-2	1,2-Dichloroethane	0.0023	U	98-82-8	Isopropylbenzene	0.0012	U
78-87-5	1,2-Dichloropropane	0.0023	U	79601-23-1	m&p-Xylenes	0.0016	U
541-73-1	1,3-Dichlorobenzene	0.0023	U	79-20-9	Methyl Acetate	0.0023	U
106-46-7	1,4-Dichlorobenzene	0.0023	U	108-87-2	Methylcyclohexane	0.0023	U
123-91-1	1,4-Dioxane	0.12	U	**75-09-2**	**Methylene Chloride**	**0.0023**	**0.019**
78-93-3	**2-Butanone**	**0.0023**	**0.0069**	1634-04-4	Methyl-t-butyl ether	0.0012	U
591-78-6	2-Hexanone	0.0023	U	95-47-6	o-Xylene	0.0012	U
108-10-1	4-Methyl-2-Pentanone	0.0023	U	100-42-5	Styrene	0.0023	U
67-64-1	**Acetone**	**0.012**	**0.049**	127-18-4	Tetrachloroethene	0.0023	U
71-43-2	Benzene	0.0012	U	108-88-3	Toluene	0.0012	U
74-97-5	Bromochloromethane	0.0023	U	156-60-5	trans-1,2-Dichloroethene	0.0023	U
75-27-4	Bromodichloromethane	0.0023	U	10061-02-6	trans-1,3-Dichloropropene	0.0023	U
75-25-2	Bromoform	0.0023	U	79-01-6	Trichloroethene	0.0023	U
74-83-9	Bromomethane	0.0023	U	75-69-4	Trichlorofluoromethane	0.0023	U
75-15-0	Carbon Disulfide	0.0058	U	75-01-4	Vinyl Chloride	0.0023	U
542-75-6	1,3-Dichloropropene (Total)	0.0023	U	1330-20-7	Xylenes (Total)	0.0012	U

Worksheet #: 765269

Total Target Concentration 0.075

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

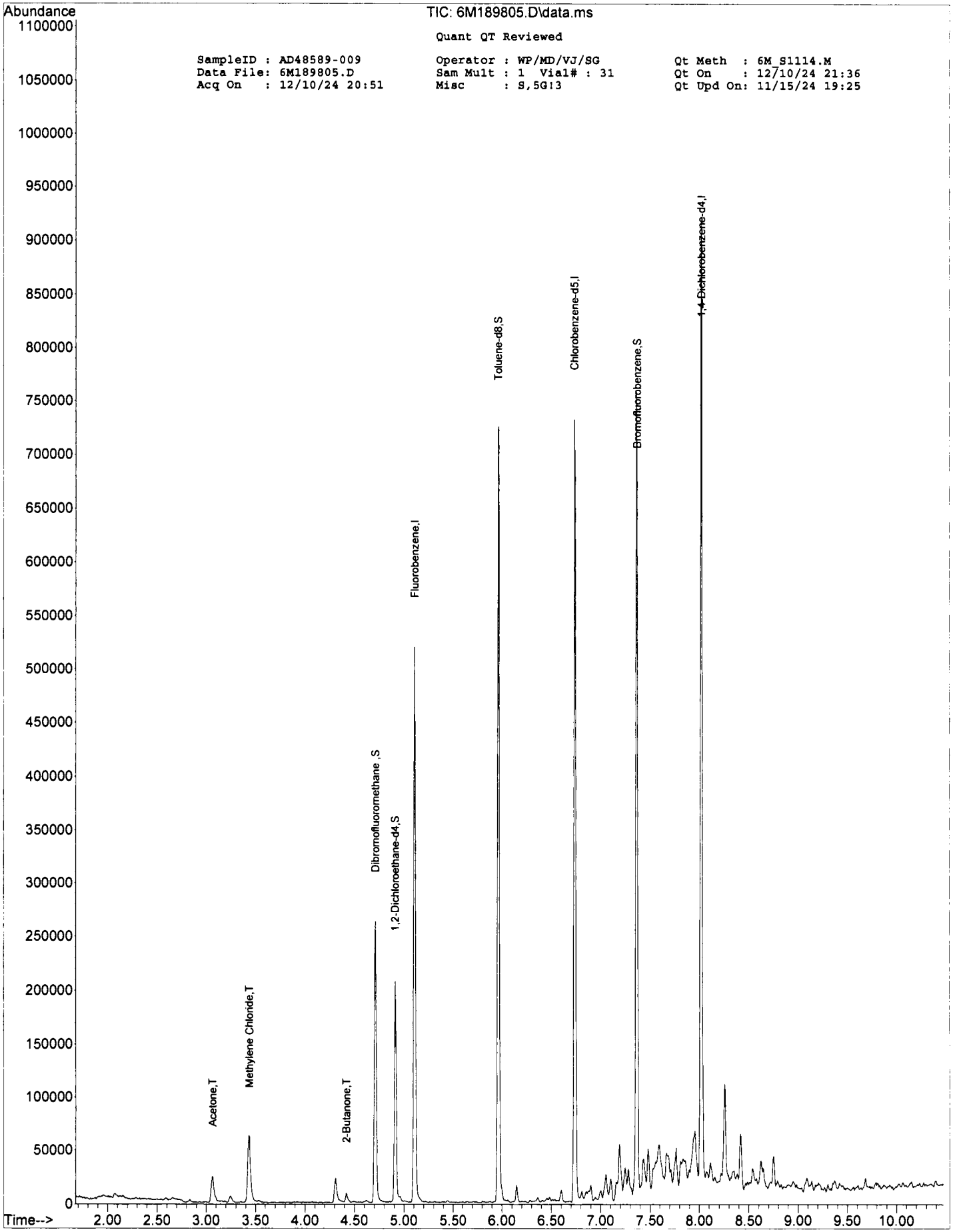
Quantitation Report (QT Reviewed)

SampleID : AD48589-009 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189805.D Sam Mult : 1 Vial# : 31 Qt On : 12/10/24 21:36
Acq On : 12/10/24 20:51 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-10-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	315949	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.737	117	313386	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	190792	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	103042	31.80	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.00%			
39) 1,2-Dichloroethane-d4	4.914	67	50089	34.91	ug/l	0.00
Spiked Amount 30.000			Recovery = 116.37%			
66) Toluene-d8	5.962	98	363864	30.61	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.03%			
76) Bromofluorobenzene	7.371	174	154588	32.07	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.90%			
Target Compounds						Qvalue
15) Methylene Chloride	3.438	84	37869	16.0766	ug/l	50
19) Acetone	3.066	43	31272m	42.3383	ug/l	
41) 2-Butanone	4.420	43	6248m	5.9931	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189805.D\data.ms
Quant QT Reviewed
SampleID : AD48589-009
Data File: 6M189805.D
Acq On : 12/10/24 20:51
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 31
Misc : S,5G13
Qt Meth : 6M_S1114.M
Qt On : 12/10/24 21:36
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48589-010
Client Id: SB-17-7.5-8.0'
Data File: 6M189806.D
Analysis Date: 12/10/24 21:13
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5.18g
Final Vol: NA
Dilution: 0.965
Solids: 83

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0023	U	56-23-5	Carbon Tetrachloride	0.0023	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0023	U	108-90-7	Chlorobenzene	0.0023	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0023	U	75-00-3	Chloroethane	0.0023	U
79-00-5	1,1,2-Trichloroethane	0.0023	U	67-66-3	Chloroform	0.0023	U
75-34-3	1,1-Dichloroethane	0.0023	U	74-87-3	Chloromethane	0.0023	U
75-35-4	1,1-Dichloroethene	0.0023	U	156-59-2	cis-1,2-Dichloroethene	0.0023	U
87-61-6	1,2,3-Trichlorobenzene	0.0023	U	10061-01-5	cis-1,3-Dichloropropene	0.0023	U
120-82-1	1,2,4-Trichlorobenzene	0.0023	U	110-82-7	Cyclohexane	0.0023	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0023	U	124-48-1	Dibromochloromethane	0.0023	U
106-93-4	1,2-Dibromoethane	0.0012	U	75-71-8	Dichlorodifluoromethane	0.0023	U
95-50-1	1,2-Dichlorobenzene	0.0023	U	100-41-4	Ethylbenzene	0.0012	U
107-06-2	1,2-Dichloroethane	0.0023	U	98-82-8	Isopropylbenzene	0.0012	U
78-87-5	1,2-Dichloropropane	0.0023	U	79601-23-1	m&p-Xylenes	0.0016	U
541-73-1	1,3-Dichlorobenzene	0.0023	U	79-20-9	Methyl Acetate	0.0023	U
106-46-7	1,4-Dichlorobenzene	0.0023	U	108-87-2	Methylcyclohexane	0.0023	U
123-91-1	1,4-Dioxane	0.12	U	**75-09-2**	**Methylene Chloride**	**0.0023**	**0.015**
78-93-3	**2-Butanone**	**0.0023**	**0.013**	1634-04-4	Methyl-t-butyl ether	0.0012	U
591-78-6	2-Hexanone	0.0023	U	95-47-6	o-Xylene	0.0012	U
108-10-1	4-Methyl-2-Pentanone	0.0023	U	100-42-5	Styrene	0.0023	U
67-64-1	**Acetone**	**0.012**	**0.15**	127-18-4	Tetrachloroethene	0.0023	U
71-43-2	Benzene	0.0012	U	108-88-3	Toluene	0.0012	U
74-97-5	Bromochloromethane	0.0023	U	156-60-5	trans-1,2-Dichloroethene	0.0023	U
75-27-4	Bromodichloromethane	0.0023	U	10061-02-6	trans-1,3-Dichloropropene	0.0023	U
75-25-2	Bromoform	0.0023	U	79-01-6	Trichloroethene	0.0023	U
74-83-9	Bromomethane	0.0023	U	75-69-4	Trichlorofluoromethane	0.0023	U
75-15-0	Carbon Disulfide	0.0058	U	75-01-4	Vinyl Chloride	0.0023	U
542-75-6	1,3-Dichloropropene (Total)	0.0023	U	1330-20-7	Xylenes (Total)	0.0012	U

Worksheet #: 765269

Total Target Concentration 0.18

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

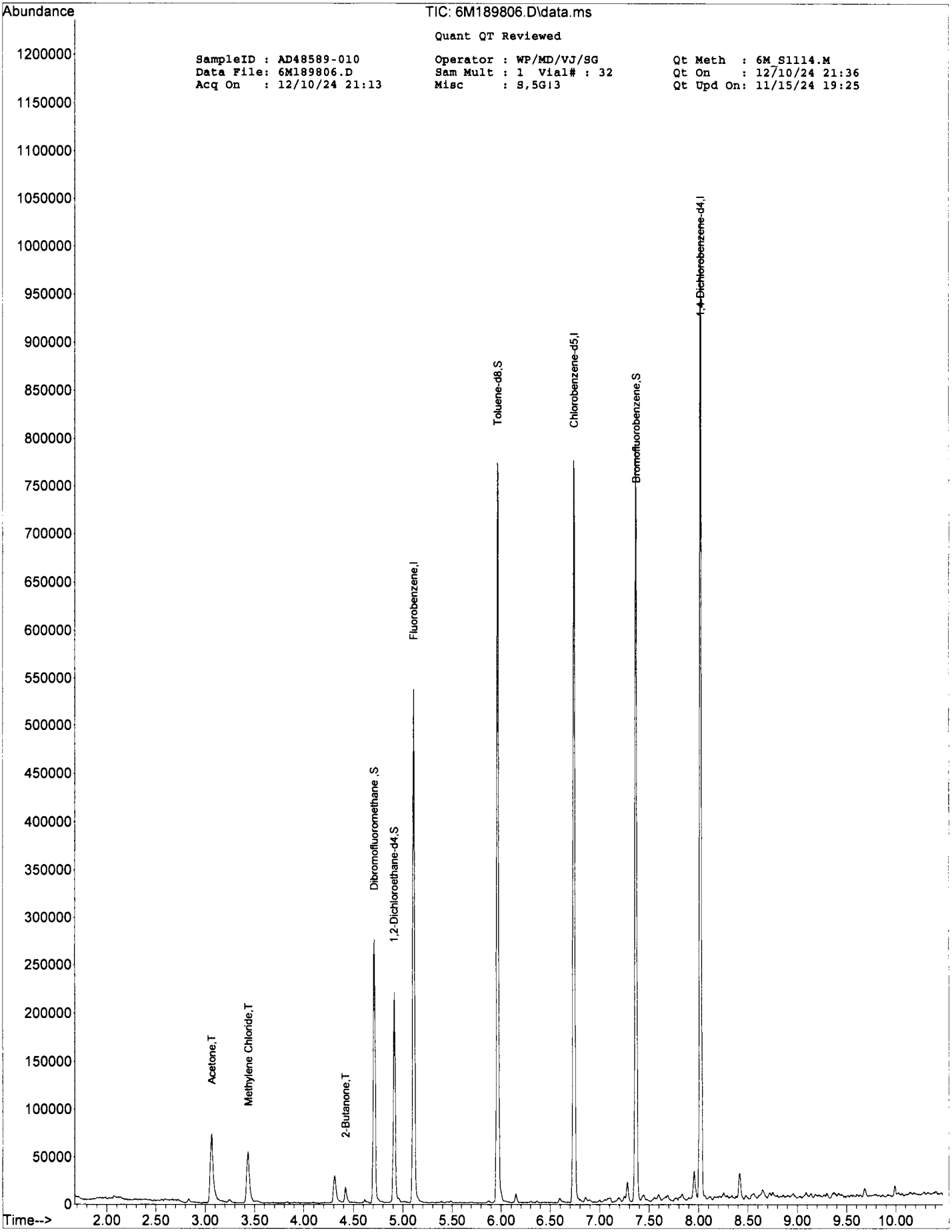
Quantitation Report (QT Reviewed)

SampleID : AD48589-010 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189806.D Sam Mult : 1 Vial# : 32 Qt On : 12/10/24 21:36
Acq On : 12/10/24 21:13 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-10-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	328221	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.743	117	342516	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	220093	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.712	111	111054	32.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.97%			
39) 1,2-Dichloroethane-d4	4.914	67	53307	35.76	ug/l	0.00
Spiked Amount 30.000			Recovery = 119.20%			
66) Toluene-d8	5.968	98	387290	29.81	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.37%			
76) Bromofluorobenzene	7.370	174	171347	30.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.73%			
Target Compounds						Qvalue
15) Methylene Chloride	3.438	84	31754	12.9765	ug/l	55
19) Acetone	3.066	43	99035m	129.0676	ug/l	
41) 2-Butanone	4.420	43	12472m	11.5159	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189806.D\data.ms
Quant QT Reviewed
SampleID : AD48589-010
Data File: 6M189806.D
Acq On : 12/10/24 21:13
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 32
Misc : S,5G13
Qt Meth : 6M_S1114.M
Qt On : 12/10/24 21:36
Qt Upd On: 11/15/24 19:25
Acetone,T
Methylene Chloride,T
2-Butanone,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48589-011
Client Id: SB-22-7.5-8.0'
Data File: 6M189807.D
Analysis Date: 12/10/24 21:35
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 6.13g
Final Vol: NA
Dilution: 0.816
Solids: 94

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0017	U	56-23-5	Carbon Tetrachloride	0.0017	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0017	U	108-90-7	Chlorobenzene	0.0017	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0017	U	75-00-3	Chloroethane	0.0017	U
79-00-5	1,1,2-Trichloroethane	0.0017	U	67-66-3	Chloroform	0.0017	U
75-34-3	1,1-Dichloroethane	0.0017	U	74-87-3	Chloromethane	0.0017	U
75-35-4	1,1-Dichloroethene	0.0017	U	156-59-2	cis-1,2-Dichloroethene	0.0017	U
87-61-6	1,2,3-Trichlorobenzene	0.0017	U	10061-01-5	cis-1,3-Dichloropropene	0.0017	U
120-82-1	1,2,4-Trichlorobenzene	0.0017	U	110-82-7	Cyclohexane	0.0017	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0017	U	124-48-1	Dibromochloromethane	0.0017	U
106-93-4	1,2-Dibromoethane	0.00087	U	75-71-8	Dichlorodifluoromethane	0.0017	U
95-50-1	1,2-Dichlorobenzene	0.0017	U	100-41-4	Ethylbenzene	0.00087	U
107-06-2	1,2-Dichloroethane	0.0017	U	98-82-8	Isopropylbenzene	0.00087	U
78-87-5	1,2-Dichloropropane	0.0017	U	79601-23-1	m&p-Xylenes	0.0012	U
541-73-1	1,3-Dichlorobenzene	0.0017	U	79-20-9	Methyl Acetate	0.0017	U
106-46-7	1,4-Dichlorobenzene	0.0017	U	108-87-2	Methylcyclohexane	0.0017	U
123-91-1	1,4-Dioxane	0.087	U	75-09-2	Methylene Chloride	0.0017	U
78-93-3	2-Butanone	0.0017	U	1634-04-4	Methyl-t-butyl ether	0.00087	U
591-78-6	2-Hexanone	0.0017	U	95-47-6	o-Xylene	0.00087	U
108-10-1	4-Methyl-2-Pentanone	0.0017	U	100-42-5	Styrene	0.0017	U
67-64-1	Acetone	0.0087	U	127-18-4	Tetrachloroethene	0.0017	U
71-43-2	Benzene	0.00087	U	108-88-3	Toluene	0.00087	U
74-97-5	Bromochloromethane	0.0017	U	156-60-5	trans-1,2-Dichloroethene	0.0017	U
75-27-4	Bromodichloromethane	0.0017	U	10061-02-6	trans-1,3-Dichloropropene	0.0017	U
75-25-2	Bromoform	0.0017	U	79-01-6	Trichloroethene	0.0017	U
74-83-9	Bromomethane	0.0017	U	75-69-4	Trichlorofluoromethane	0.0017	U
75-15-0	Carbon Disulfide	0.0043	U	75-01-4	Vinyl Chloride	0.0017	U
542-75-6	1,3-Dichloropropene (Total)	0.0017	U	1330-20-7	Xylenes (Total)	0.00087	U

Worksheet #: 765269

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

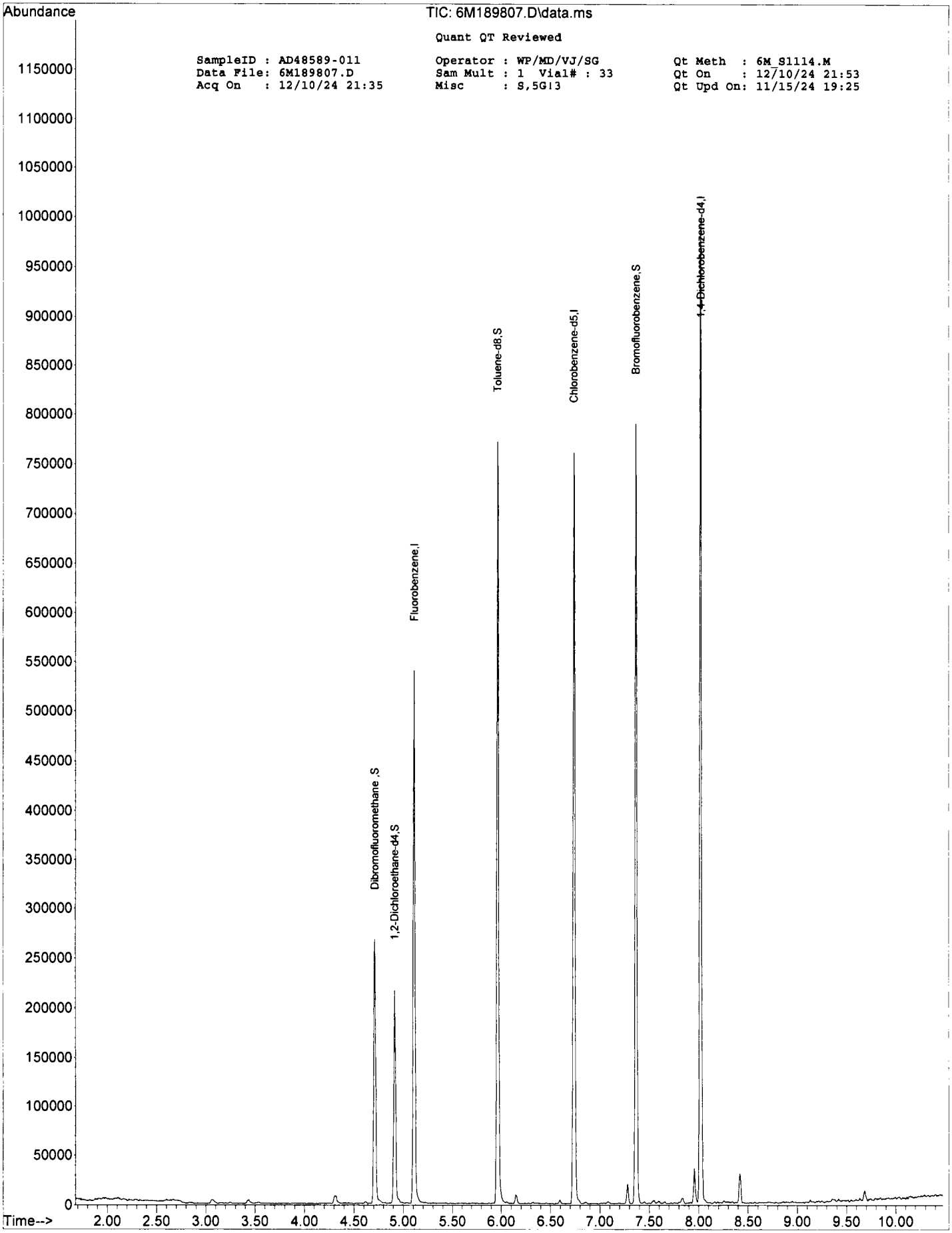
SampleID : AD48589-011 Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189807.D Sam Mult : 1 Vial# : 33 Qt On : 12/10/24 21:53
Acq On : 12/10/24 21:35 Misc : S,5G!3 Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-10-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	325064	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.737	117	336104	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	211919	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.713	111	107656	32.29	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.63%			
39) 1,2-Dichloroethane-d4	4.914	67	53271	36.08	ug/l	0.00
Spiked Amount 30.000			Recovery = 120.27%			
66) Toluene-d8	5.963	98	379917	29.80	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.33%			
76) Bromofluorobenzene	7.365	174	165912	30.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.30%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189807.D\data.ms
Quant QT Reviewed
SampleID : AD48589-011
Data File: 6M189807.D
Acq On : 12/10/24 21:35
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 33
Misc : S,5G!3
Qt Meth : 6M_S1114.M
Qt On : 12/10/24 21:53
Qt Upd On: 11/15/24 19:25
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48589-016
Client Id: TWP-10 U
Data File: 1M196171.D
Analysis Date: 12/10/24 21:08
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
542-75-6	1,3-Dichloropropene (Total)	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 765269

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

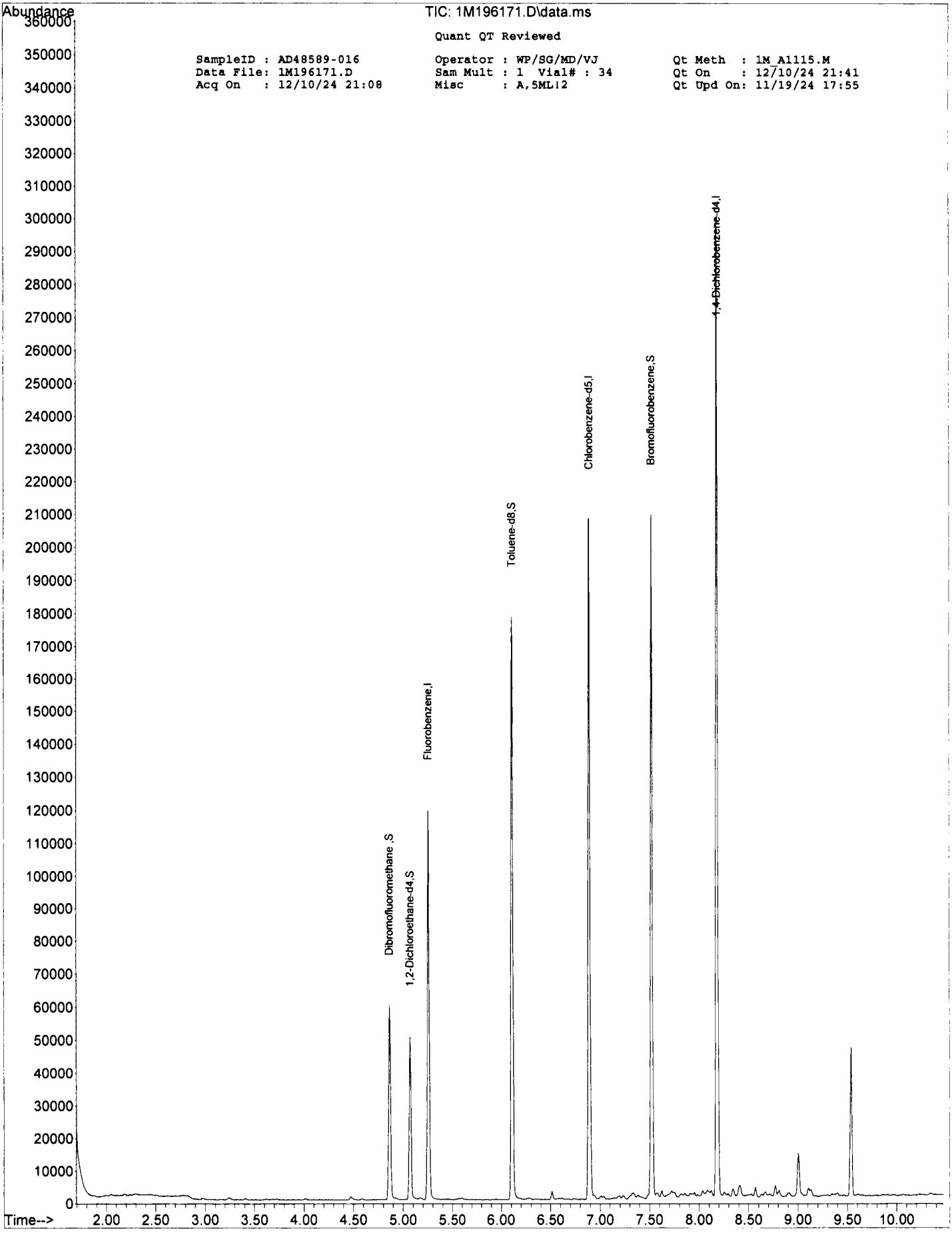
Quantitation Report (QT Reviewed)

SampleID : AD48589-016 Operator : WP/SG/MD/VJ Qt Meth : 1M_A1115.M
Data File: 1M196171.D Sam Mult : 1 Vial# : 34 Qt On : 12/10/24 21:41
Acq On : 12/10/24 21:08 Misc : A,5ML!2 Qt Upd On: 11/19/24 17:55

Data Path : G:\GcMsData\2024\GCMS_1\Data\12-10-24\
Qt Path : G:\GcMsData\2024\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.253	96	76919	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.893	117	96014	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.186	152	65460	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.863	111	25081	35.63	ug/l	0.00
Spiked Amount 30.000			Recovery = 118.77%			
39) 1,2-Dichloroethane-d4	5.071	67	12257	31.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.90%			
66) Toluene-d8	6.107	98	87818	26.67	ug/l	0.00
Spiked Amount 30.000			Recovery = 88.90%			
76) Bromofluorobenzene	7.521	174	41990	27.07	ug/l	0.00
Spiked Amount 30.000			Recovery = 90.23%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M196171.D\data.ms
Quant QT Reviewed
SampleID : AD48589-016
Data File: 1M196171.D
Acq On : 12/10/24 21:08
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 34
Misc : A,5ML,2
Qt Meth : 1M_A1115.M
Qt On : 12/10/24 21:41
Qt Upd On: 11/19/24 17:55
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48589-018
Client Id: TWP-12 U
Data File: 1M196162.D
Analysis Date: 12/10/24 18:05
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
542-75-6	1,3-Dichloropropene (Total)	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 765269

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

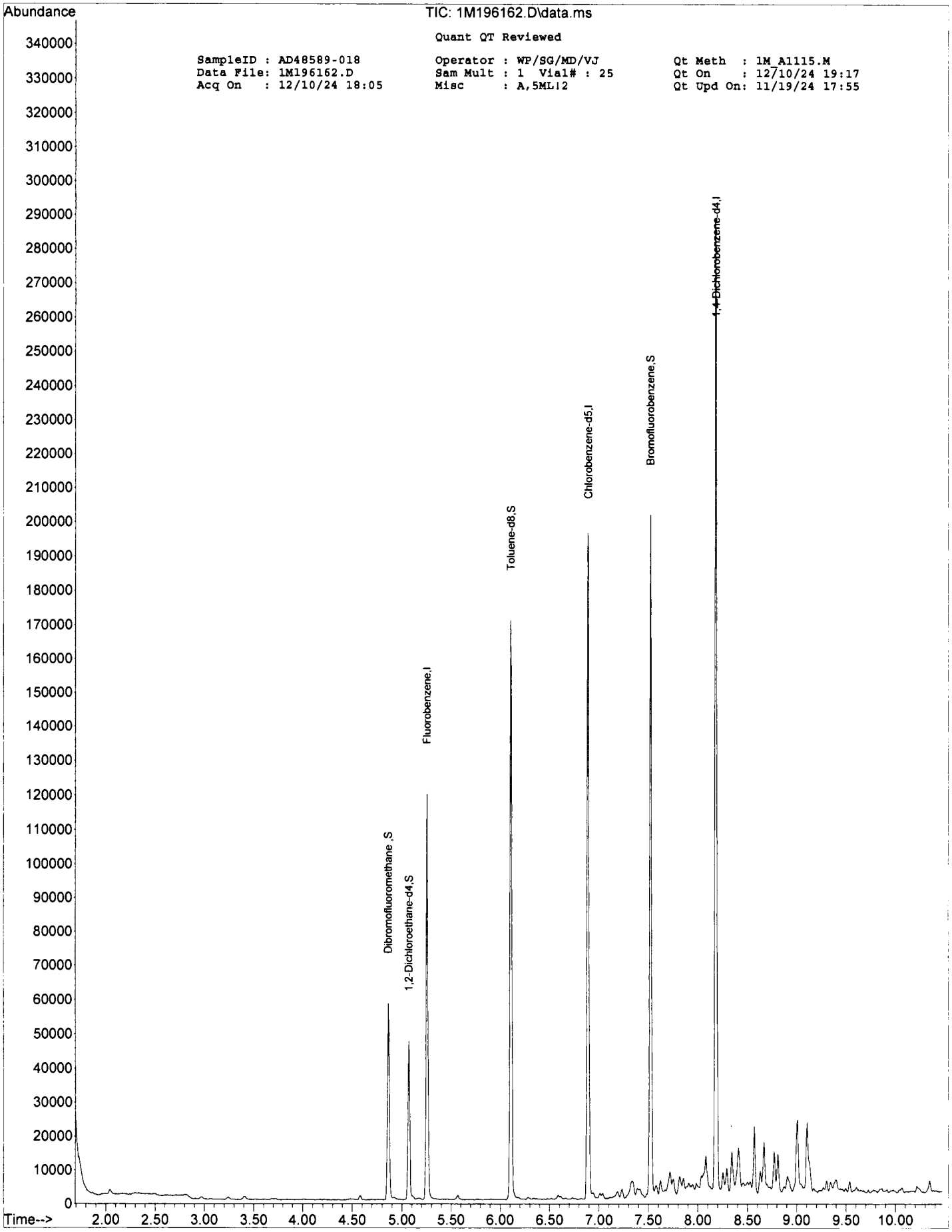
SampleID : AD48589-018 Operator : WP/SG/MD/VJ Qt Meth : 1M_A1115.M
Data File: 1M196162.D Sam Mult : 1 Vial# : 25 Qt On : 12/10/24 19:17
Acq On : 12/10/24 18:05 Misc : A,5ML!2 Qt Upd On: 11/19/24 17:55

Data Path : G:\GcMsData\2024\GCMS_1\Data\12-10-24\
Qt Path : G:\GcMsData\2024\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.253	96	73498	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.893	117	89715	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.186	152	63661	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.863	111	24160	35.91	ug/l	0.00
Spiked Amount 30.000			Recovery = 119.70%			
39) 1,2-Dichloroethane-d4	5.071	67	11548	31.33	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.43%			
66) Toluene-d8	6.107	98	84671	27.52	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.73%			
76) Bromofluorobenzene	7.521	174	41617	27.58	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.93%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M196162.D\data.ms
Quant QT Reviewed
SampleID : AD48589-018
Data File: 1M196162.D
Acq On : 12/10/24 18:05
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 25
Misc : A,5ML;2
Qt Meth : 1M_A1115.M
Qt On : 12/10/24 19:17
Qt Upd On: 11/19/24 17:55
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48589-020
Client Id: TWP-21-U
Data File: 1M196163.D
Analysis Date: 12/10/24 18:25
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	**108-90-7**	**Chlorobenzene**	**1.0**	**1.1**
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
542-75-6	1,3-Dichloropropene (Total)	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 765269

Total Target Concentration 1.1

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

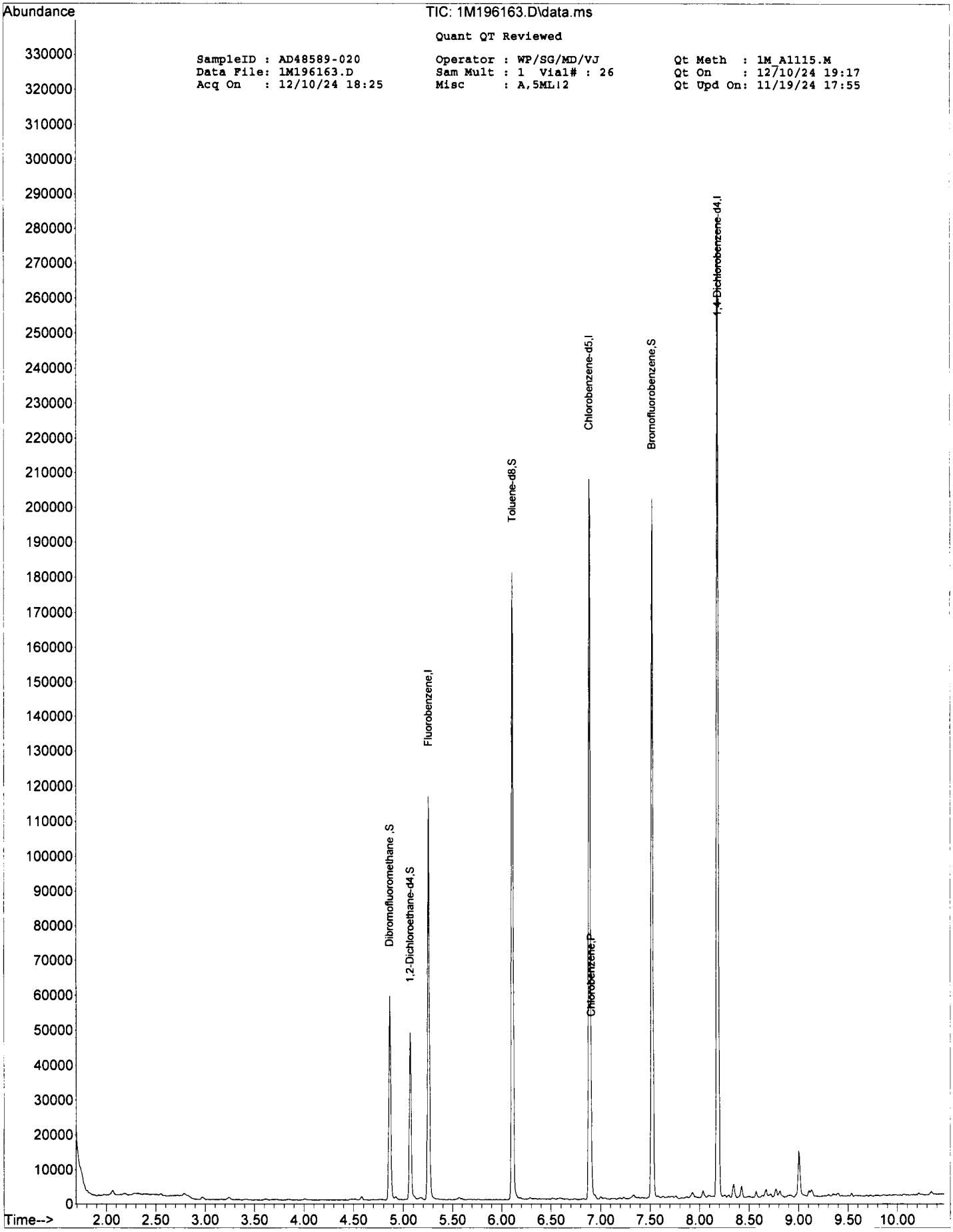
Quantitation Report (QT Reviewed)

SampleID : AD48589-020 Operator : WP/SG/MD/VJ Qt Meth : 1M_A1115.M
Data File: 1M196163.D Sam Mult : 1 Vial# : 26 Qt On : 12/10/24 19:17
Acq On : 12/10/24 18:25 Misc : A,5ML!2 Qt Upd On: 11/19/24 17:55

Data Path : G:\GcMsData\2024\GCMS_1\Data\12-10-24\
Qt Path : G:\GcMsData\2024\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.254	96	75028	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.887	117	93346	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.186	152	63027	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.863	111	24711	35.98	ug/l	0.00
Spiked Amount 30.000			Recovery = 119.93%			
39) 1,2-Dichloroethane-d4	5.071	67	11895	31.61	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.37%			
66) Toluene-d8	6.107	98	87330	27.28	ug/l	0.00
Spiked Amount 30.000			Recovery = 90.93%			
76) Bromofluorobenzene	7.521	174	41800	27.98	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.27%			
Target Compounds						Qvalue
69) Chlorobenzene	6.906	112	2647m	1.0631	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M196163.D\data.ms
Quant QT Reviewed
SampleID : AD48589-020
Data File: 1M196163.D
Acq On : 12/10/24 18:25
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 26
Misc : A,5ML;2
Qt Meth : 1M_A1115.M
Qt On : 12/10/24 19:17
Qt Upd On: 11/19/24 17:55
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Chlorobenzene,P
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48589-001(5X)
Client Id: SB-07-9.5-10.0'
Data File: 9M131225.D
Analysis Date: 12/16/24 13:10
Date Rec/Extracted: 12/09/24-12/14/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 5
Solids: 69

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.24	U	50-32-8	Benzo[a]pyrene	0.24	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.24	U	205-99-2	Benzo[b]fluoranthene	0.24	U
123-91-1	1,4-Dioxane	0.24	U	191-24-2	Benzo[g,h,i]perylene	0.24	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.24	U	207-08-9	Benzo[k]fluoranthene	0.24	U
95-95-4	2,4,5-Trichlorophenol	0.24	U	111-91-1	bis(2-Chloroethoxy)methan	0.24	U
88-06-2	2,4,6-Trichlorophenol	0.24	U	111-44-4	bis(2-Chloroethyl)ether	0.092	U
120-83-2	2,4-Dichlorophenol	0.24	U	108-60-1	bis(2-chloroisopropyl)ether	0.24	U
105-67-9	2,4-Dimethylphenol	0.24	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.24	U
51-28-5	2,4-Dinitrophenol	1.2	U	85-68-7	Butylbenzylphthalate	0.24	U
121-14-2	2,4-Dinitrotoluene	0.24	U	105-60-2	Caprolactam	0.24	U
606-20-2	2,6-Dinitrotoluene	0.24	U	86-74-8	Carbazole	0.24	U
91-58-7	2-Chloronaphthalene	0.24	U	218-01-9	Chrysene	0.24	U
95-57-8	2-Chlorophenol	0.24	U	53-70-3	Dibenzo[a,h]anthracene	0.24	U
91-57-6	2-Methylnaphthalene	0.24	U	132-64-9	Dibenzofuran	0.24	U
95-48-7	2-Methylphenol	0.24	U	84-66-2	Diethylphthalate	0.24	U
88-74-4	2-Nitroaniline	0.24	U	131-11-3	Dimethylphthalate	0.24	U
88-75-5	2-Nitrophenol	0.24	U	84-74-2	Di-n-butylphthalate	1.2	U
106-44-5	3&4-Methylphenol	0.24	U	117-84-0	Di-n-octylphthalate	0.24	U
91-94-1	3,3'-Dichlorobenzidine	0.24	U	**206-44-0**	**Fluoranthene**	**0.24**	**0.30**
99-09-2	3-Nitroaniline	0.24	U	86-73-7	Fluorene	0.24	U
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	118-74-1	Hexachlorobenzene	0.24	U
101-55-3	4-Bromophenyl-phenylether	0.24	U	87-68-3	Hexachlorobutadiene	0.24	U
59-50-7	4-Chloro-3-methylphenol	0.24	U	77-47-4	Hexachlorocyclopentadiene	1.2	U
106-47-8	4-Chloroaniline	0.24	U	67-72-1	Hexachloroethane	0.24	U
7005-72-3	4-Chlorophenyl-phenylether	0.24	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.24	U
100-01-6	4-Nitroaniline	0.24	U	78-59-1	Isophorone	0.24	U
100-02-7	4-Nitrophenol	0.24	U	91-20-3	Naphthalene	0.24	U
83-32-9	Acenaphthene	0.24	U	98-95-3	Nitrobenzene	0.24	U
208-96-8	Acenaphthylene	0.24	U	621-64-7	N-Nitroso-di-n-propylamine	0.24	U
98-86-2	Acetophenone	0.24	U	86-30-6	n-Nitrosodiphenylamine	0.24	U
120-12-7	Anthracene	0.24	U	87-86-5	Pentachlorophenol	1.2	U
1912-24-9	Atrazine	0.24	U	**85-01-8**	**Phenanthrene**	**0.24**	**0.26**
100-52-7	Benzaldehyde	0.24	U	108-95-2	Phenol	0.24	U
56-55-3	Benzo[a]anthracene	0.24	U	**129-00-0**	**Pyrene**	**0.24**	**0.41**

Worksheet #: 765488

Total Target Concentration 0.97

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

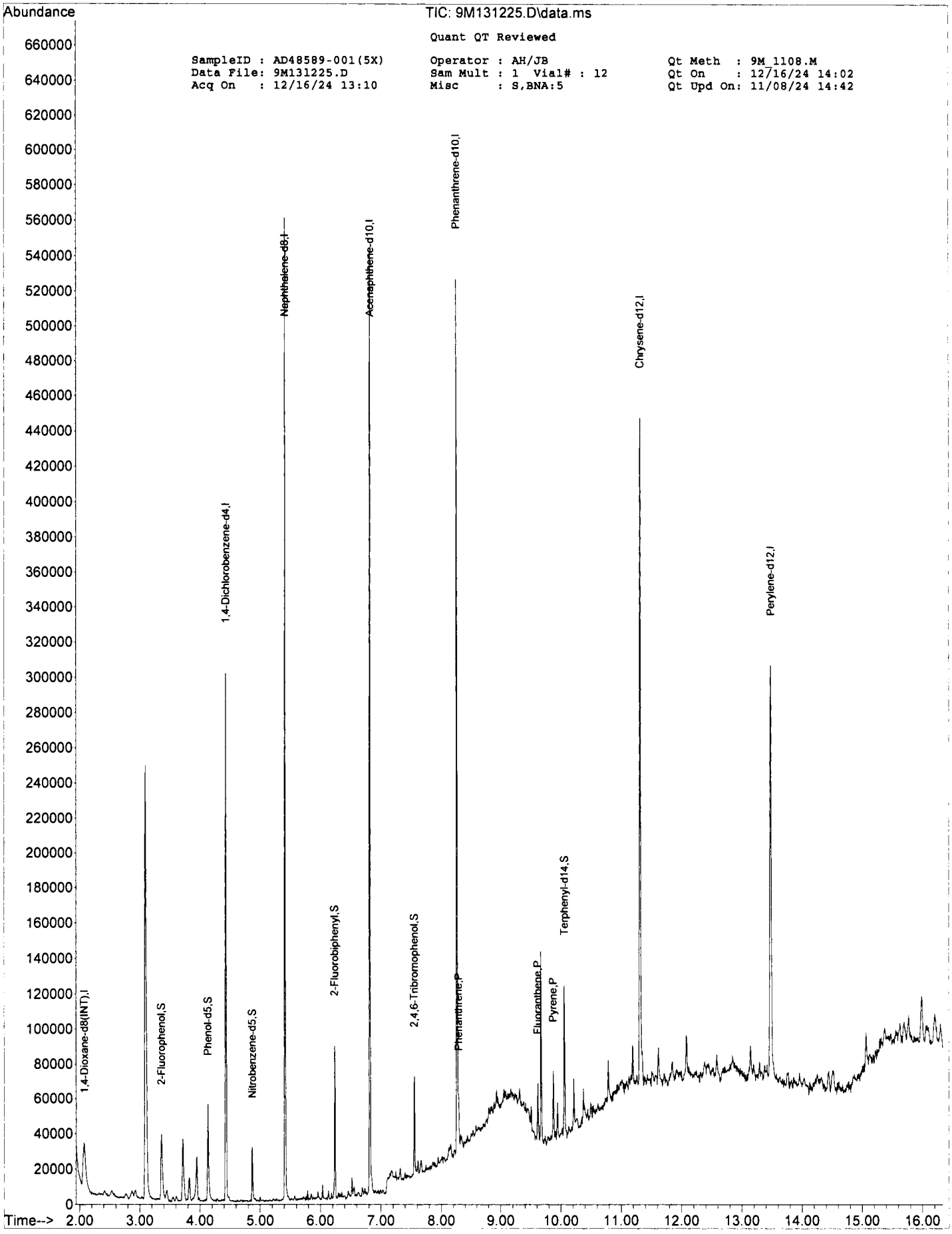
Quantitation Report (QT Reviewed)

SampleID : AD48589-001(5X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131225.D Sam Mult : 1 Vial# : 12 Qt On : 12/16/24 14:02
Acq On : 12/16/24 13:10 Misc : S,BNA:5 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-16-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.078	96	28628	40.00	ng	-0.04
21) 1,4-Dichlorobenzene-d4	4.431	152	55064	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	212382	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	112787	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	193747	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	146773	40.00	ng	-0.04
102) Perylene-d12	13.483	264	125904	40.00	ng	-0.05
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	20173	13.15	ng	-0.03
Spiked Amount 100.000			Recovery = 13.15%			
16) Phenol-d5	4.131	99	26513	13.15	ng	-0.02
Spiked Amount 100.000			Recovery = 13.15%			
32) Nitrobenzene-d5	4.872	128	5852	6.85	ng	-0.03
Spiked Amount 50.000			Recovery = 13.70%			
55) 2-Fluorobiphenyl	6.237	172	25569	7.25	ng	-0.04
Spiked Amount 50.000			Recovery = 14.50%			
79) 2,4,6-Tribromophenol	7.554	330	6037	12.30	ng	-0.04
Spiked Amount 100.000			Recovery = 12.30%			
93) Terphenyl-d14	10.060	244	26261	8.46	ng	-0.04
Spiked Amount 50.000			Recovery = 16.92%			
Target Compounds						Qvalue
85) Phenanthrene	8.289	178	10200m	2.1340	ng	
89) Fluoranthene	9.613	202	12777m	2.4908	ng	
91) Pyrene	9.872	202	15832m	3.4329	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131225.D\data.ms
Quant QT Reviewed
SampleID : AD48589-001(5X)
Data File: 9M131225.D
Acq On : 12/16/24 13:10
Operator : AH/JB
Sam Mult : 1 Vial# : 12
Misc : S,BNA:5
Qt Meth : 9M_1108.M
Qt On : 12/16/24 14:02
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48589-002
Client Id: SB-09-9.5-10.0'
Data File: 9M131197.D
Analysis Date: 12/15/24 18:09
Date Rec/Extracted: 12/09/24-12/14/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.039	U	**50-32-8**	**Benzo[a]pyrene**	**0.039**	**0.16**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.039	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.039**	**0.21**
123-91-1	1,4-Dioxane	0.039	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.039**	**0.13**
58-90-2	2,3,4,6-Tetrachlorophenol	0.039	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.039**	**0.070**
95-95-4	2,4,5-Trichlorophenol	0.039	U	111-91-1	bis(2-Chloroethoxy)methan	0.039	U
88-06-2	2,4,6-Trichlorophenol	0.039	U	111-44-4	bis(2-Chloroethyl)ether	0.015	U
120-83-2	2,4-Dichlorophenol	0.039	U	108-60-1	bis(2-chloroisopropyl)ether	0.039	U
105-67-9	2,4-Dimethylphenol	0.039	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.039	U
51-28-5	2,4-Dinitrophenol	0.19	U	85-68-7	Butylbenzylphthalate	0.039	U
121-14-2	2,4-Dinitrotoluene	0.039	U	105-60-2	Caprolactam	0.039	U
606-20-2	2,6-Dinitrotoluene	0.039	U	86-74-8	Carbazole	0.039	U
91-58-7	2-Chloronaphthalene	0.039	U	**218-01-9**	**Chrysene**	**0.039**	**0.15**
95-57-8	2-Chlorophenol	0.039	U	53-70-3	Dibenzo[a,h]anthracene	0.039	U
91-57-6	2-Methylnaphthalene	0.039	U	132-64-9	Dibenzofuran	0.039	U
95-48-7	2-Methylphenol	0.039	U	84-66-2	Diethylphthalate	0.039	U
88-74-4	2-Nitroaniline	0.039	U	131-11-3	Dimethylphthalate	0.039	U
88-75-5	2-Nitrophenol	0.039	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	0.039	U	117-84-0	Di-n-octylphthalate	0.039	U
91-94-1	3,3'-Dichlorobenzidine	0.039	U	**206-44-0**	**Fluoranthene**	**0.039**	**0.25**
99-09-2	3-Nitroaniline	0.039	U	86-73-7	Fluorene	0.039	U
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.039	U
101-55-3	4-Bromophenyl-phenylether	0.039	U	87-68-3	Hexachlorobutadiene	0.039	U
59-50-7	4-Chloro-3-methylphenol	0.039	U	77-47-4	Hexachlorocyclopentadiene	0.19	U
106-47-8	4-Chloroaniline	0.039	U	67-72-1	Hexachloroethane	0.039	U
7005-72-3	4-Chlorophenyl-phenylether	0.039	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.039**	**0.13**
100-01-6	4-Nitroaniline	0.039	U	78-59-1	Isophorone	0.039	U
100-02-7	4-Nitrophenol	0.039	U	91-20-3	Naphthalene	0.039	U
83-32-9	Acenaphthene	0.039	U	98-95-3	Nitrobenzene	0.039	U
208-96-8	Acenaphthylene	0.039	U	621-64-7	N-Nitroso-di-n-propylamine	0.039	U
98-86-2	Acetophenone	0.039	U	86-30-6	n-Nitrosodiphenylamine	0.039	U
120-12-7	Anthracene	0.039	U	87-86-5	Pentachlorophenol	0.19	U
1912-24-9	Atrazine	0.039	U	**85-01-8**	**Phenanthrene**	**0.039**	**0.080**
100-52-7	Benzaldehyde	0.039	U	108-95-2	Phenol	0.039	U
56-55-3	**Benzo[a]anthracene**	**0.039**	**0.14**	**129-00-0**	**Pyrene**	**0.039**	**0.23**

Worksheet #: 765488

Total Target Concentration 1.6

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

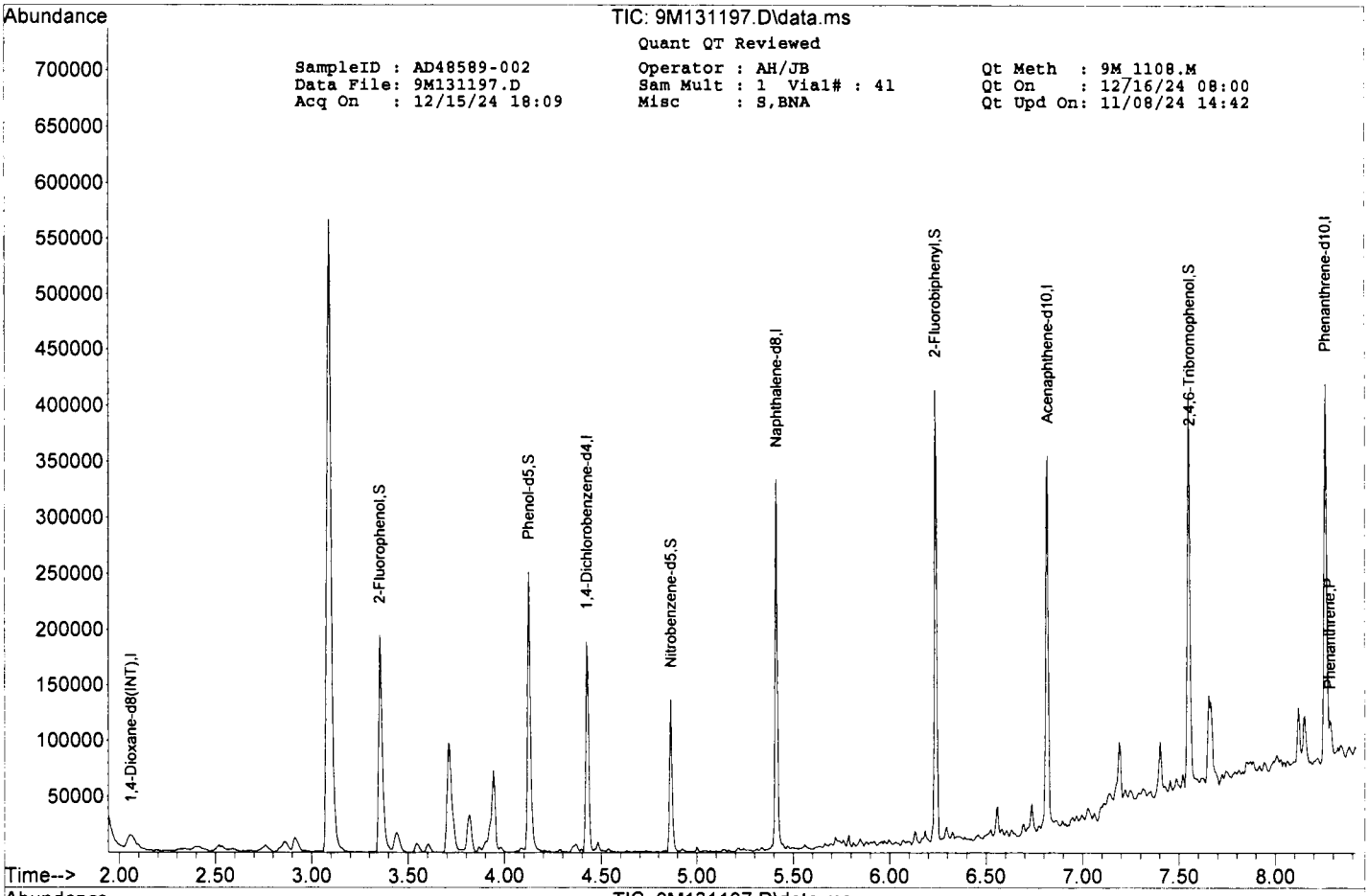
Quantitation Report (QT Reviewed)

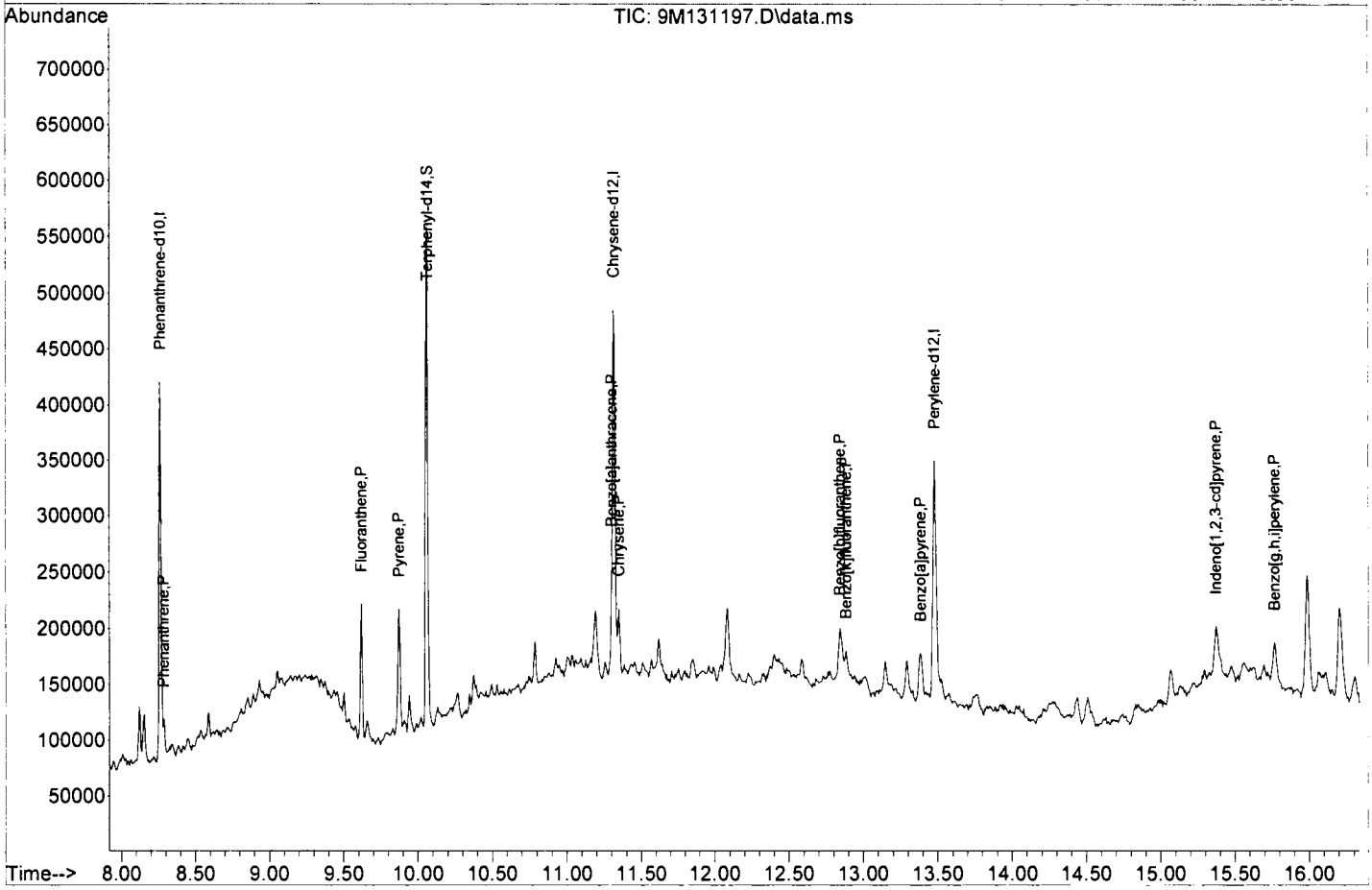
SampleID : AD48589-002 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131197.D Sam Mult : 1 Vial# : 41 Qt On : 12/16/24 08:00
Acq On : 12/15/24 18:09 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-15-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	16118	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.425	152	36902	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	132969	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	80037	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	140100	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	132245	40.00	ng	-0.05
102) Perylene-d12	13.477	264	136994	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	86497	100.12	ng	-0.04
Spiked Amount 100.000			Recovery = 100.12%			
16) Phenol-d5	4.125	99	106689	94.02	ng	-0.03
Spiked Amount 100.000			Recovery = 94.02%			
32) Nitrobenzene-d5	4.866	128	24601	46.03	ng	-0.04
Spiked Amount 50.000			Recovery = 92.06%			
55) 2-Fluorobiphenyl	6.237	172	125346	50.08	ng	-0.04
Spiked Amount 50.000			Recovery = 100.16%			
79) 2,4,6-Tribromophenol	7.554	330	57909	163.22	ng	-0.04
Spiked Amount 100.000			Recovery = 163.22%			
93) Terphenyl-d14	10.060	244	163739	58.52	ng	-0.04
Spiked Amount 50.000			Recovery = 117.04%			
Target Compounds						Qvalue
85) Phenanthrene	8.284	178	14250m	4.1229	ng	
89) Fluoranthene	9.619	202	48348	13.0344	ng	87
91) Pyrene	9.872	202	49382	11.8838	ng	85
99) Benzo[a]anthracene	11.301	228	27800m	7.1471	ng	
100) Chrysene	11.348	228	28896m	7.8692	ng	
104) Benzo[b]fluoranthene	12.842	252	43448m	11.0477	ng	
105) Benzo[k]fluoranthene	12.883	252	14964m	3.5896	ng	
106) Benzo[a]pyrene	13.383	252	29713m	8.0254	ng	
107) Indeno[1,2,3-cd]pyrene	15.371	276	22446m	6.7404	ng	
109) Benzo[g,h,i]perylene	15.765	276	22124m	6.5857	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131197.D\data.ms
Quant QT Reviewed
SampleID : AD48589-002
Data File: 9M131197.D
Acq On : 12/15/24 18:09
Operator : AH/JB
Sam Mult : 1 Vial# : 41
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/16/24 08:00
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M131197.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[b]fluoranthene,P
Benzo[k]fluoranthene,P
Perylene-d12,I
Benzo[a]pyrene,P
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48589-003(5X)
Client Id: SB-12-9.5-10.0'
Data File: 9M131208.D
Analysis Date: 12/15/24 22:03
Date Rec/Extracted: 12/09/24-12/14/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 5
Solids: 81

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.21	U	**50-32-8**	**Benzo[a]pyrene**	**0.21**	**1.2**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.21	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.21**	**1.6**
123-91-1	1,4-Dioxane	0.21	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.21**	**0.81**
58-90-2	2,3,4,6-Tetrachlorophenol	0.21	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.21**	**0.52**
95-95-4	2,4,5-Trichlorophenol	0.21	U	111-91-1	bis(2-Chloroethoxy)methan	0.21	U
88-06-2	2,4,6-Trichlorophenol	0.21	U	111-44-4	bis(2-Chloroethyl)ether	0.078	U
120-83-2	2,4-Dichlorophenol	0.21	U	108-60-1	bis(2-chloroisopropyl)ether	0.21	U
105-67-9	2,4-Dimethylphenol	0.21	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.21	U
51-28-5	2,4-Dinitrophenol	1.0	U	85-68-7	Butylbenzylphthalate	0.21	U
121-14-2	2,4-Dinitrotoluene	0.21	U	105-60-2	Caprolactam	0.21	U
606-20-2	2,6-Dinitrotoluene	0.21	U	86-74-8	Carbazole	0.21	U
91-58-7	2-Chloronaphthalene	0.21	U	**218-01-9**	**Chrysene**	**0.21**	**1.2**
95-57-8	2-Chlorophenol	0.21	U	53-70-3	Dibenzo[a,h]anthracene	0.21	U
91-57-6	2-Methylnaphthalene	0.21	U	132-64-9	Dibenzofuran	0.21	U
95-48-7	2-Methylphenol	0.21	U	84-66-2	Diethylphthalate	0.21	U
88-74-4	2-Nitroaniline	0.21	U	131-11-3	Dimethylphthalate	0.21	U
88-75-5	2-Nitrophenol	0.21	U	84-74-2	Di-n-butylphthalate	1.0	U
106-44-5	3&4-Methylphenol	0.21	U	117-84-0	Di-n-octylphthalate	0.21	U
91-94-1	3,3'-Dichlorobenzidine	0.21	U	**206-44-0**	**Fluoranthene**	**0.21**	**2.0**
99-09-2	3-Nitroaniline	0.21	U	86-73-7	Fluorene	0.21	U
534-52-1	4,6-Dinitro-2-methylphenol	1.0	U	118-74-1	Hexachlorobenzene	0.21	U
101-55-3	4-Bromophenyl-phenylether	0.21	U	87-68-3	Hexachlorobutadiene	0.21	U
59-50-7	4-Chloro-3-methylphenol	0.21	U	77-47-4	Hexachlorocyclopentadiene	1.0	U
106-47-8	4-Chloroaniline	0.21	U	67-72-1	Hexachloroethane	0.21	U
7005-72-3	4-Chlorophenyl-phenylether	0.21	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.21**	**0.90**
100-01-6	4-Nitroaniline	0.21	U	78-59-1	Isophorone	0.21	U
100-02-7	4-Nitrophenol	0.21	U	91-20-3	Naphthalene	0.21	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.21	U
208-96-8	Acenaphthylene	0.21	U	621-64-7	N-Nitroso-di-n-propylamine	0.21	U
98-86-2	Acetophenone	0.21	U	86-30-6	n-Nitrosodiphenylamine	0.21	U
120-12-7	Anthracene	0.21	U	87-86-5	Pentachlorophenol	1.0	U
1912-24-9	Atrazine	0.21	U	**85-01-8**	**Phenanthrene**	**0.21**	**0.54**
100-52-7	Benzaldehyde	0.21	U	108-95-2	Phenol	0.21	U
56-55-3	**Benzo[a]anthracene**	**0.21**	**1.3**	**129-00-0**	**Pyrene**	**0.21**	**2.4**

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

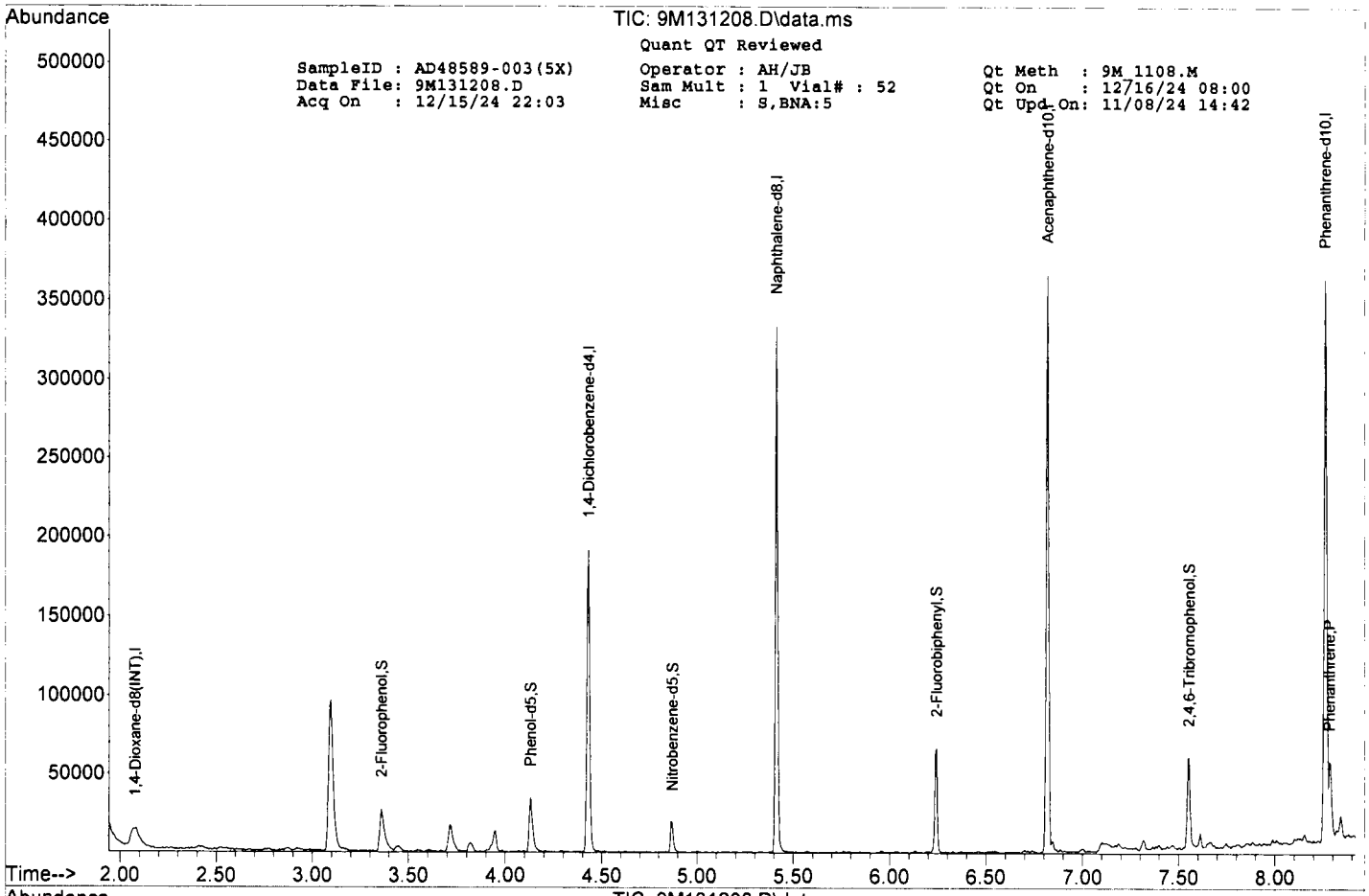
Quantitation Report (QT Reviewed)

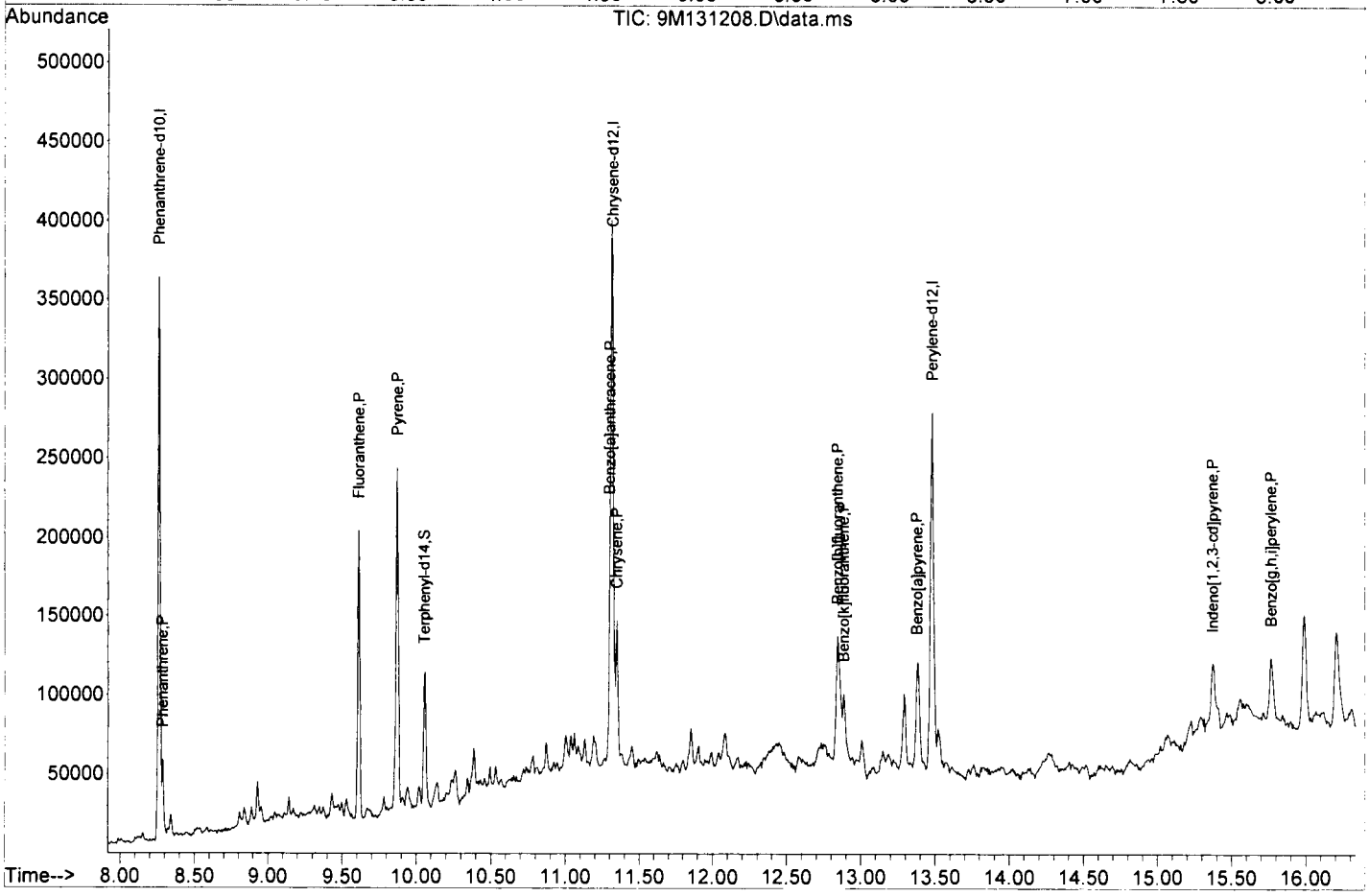
SampleID : AD48589-003(5X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131208.D Sam Mult : 1 Vial# : 52 Qt On : 12/16/24 08:00
Acq On : 12/15/24 22:03 Misc : S,BNA:5 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-15-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.078	96	16088	40.00	ng	-0.04
21) 1,4-Dichlorobenzene-d4	4.431	152	38394	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	136993	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	82948	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	153542	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	135810	40.00	ng	-0.04
102) Perylene-d12	13.477	264	137194	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	15059	17.46	ng	-0.03
Spiked Amount 100.000			Recovery = 17.46%			
16) Phenol-d5	4.131	99	18446	16.29	ng	-0.02
Spiked Amount 100.000			Recovery = 16.29%			
32) Nitrobenzene-d5	4.872	128	4443	8.07	ng	-0.03
Spiked Amount 50.000			Recovery = 16.14%			
55) 2-Fluorobiphenyl	6.242	172	22676	8.74	ng	-0.04
Spiked Amount 50.000			Recovery = 17.48%			
79) 2,4,6-Tribromophenol	7.554	330	10135	26.07	ng	-0.04
Spiked Amount 100.000			Recovery = 26.07%			
93) Terphenyl-d14	10.054	244	30346	10.56	ng	-0.05
Spiked Amount 50.000			Recovery = 21.12%			
Target Compounds						Qvalue
85) Phenanthrene	8.283	178	20030	5.2878	ng	100
89) Fluoranthene	9.613	202	80799	19.8760	ng	84
91) Pyrene	9.872	202	98625	23.1111	ng	84
99) Benzo[a]anthracene	11.301	228	51803m	12.9685	ng	
100) Chrysene	11.348	228	43538m	11.5454	ng	
104) Benzo[b]fluoranthene	12.842	252	60849m	15.4497	ng	
105) Benzo[k]fluoranthene	12.883	252	21182m	5.0737	ng	
106) Benzo[a]pyrene	13.377	252	44367m	11.9659	ng	
107) Indeno[1,2,3-cd]pyrene	15.371	276	29081m	8.7201	ng	
109) Benzo[g,h,i]perylene	15.765	276	26521m	7.8831	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131208.D\data.ms
Quant QT Reviewed
SampleID : AD48589-003(5X)
Data File: 9M131208.D
Acq On : 12/15/24 22:03
Operator : AH/JB
Sam Mult : 1 Vial# : 52
Misc : S,BNA:5
Qt Meth : 9M_1108.M
Qt On : 12/16/24 08:00
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M131208.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[a]anthracene,P
Benzo[k]fluoranthene,P
Benzo[b]fluoranthene,P
Perylene-d12,I
Benzo[a]pyrene,P
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48589-004
Client Id: SB-13-9.5-10.0'
Data File: 9M131198.D
Analysis Date: 12/15/24 18:30
Date Rec/Extracted: 12/09/24-12/14/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.039	U	**50-32-8**	**Benzo[a]pyrene**	**0.039**	**0.20**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.039	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.039**	**0.26**
123-91-1	1,4-Dioxane	0.039	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.039**	**0.16**
58-90-2	2,3,4,6-Tetrachlorophenol	0.039	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.039**	**0.087**
95-95-4	2,4,5-Trichlorophenol	0.039	U	111-91-1	bis(2-Chloroethoxy)methan	0.039	U
88-06-2	2,4,6-Trichlorophenol	0.039	U	111-44-4	bis(2-Chloroethyl)ether	0.015	U
120-83-2	2,4-Dichlorophenol	0.039	U	108-60-1	bis(2-chloroisopropyl)ether	0.039	U
105-67-9	2,4-Dimethylphenol	0.039	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.039	U
51-28-5	2,4-Dinitrophenol	0.19	U	85-68-7	Butylbenzylphthalate	0.039	U
121-14-2	2,4-Dinitrotoluene	0.039	U	105-60-2	Caprolactam	0.039	U
606-20-2	2,6-Dinitrotoluene	0.039	U	86-74-8	Carbazole	0.039	U
91-58-7	2-Chloronaphthalene	0.039	U	**218-01-9**	**Chrysene**	**0.039**	**0.19**
95-57-8	2-Chlorophenol	0.039	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.039**	**0.039**
91-57-6	2-Methylnaphthalene	0.039	U	132-64-9	Dibenzofuran	0.039	U
95-48-7	2-Methylphenol	0.039	U	84-66-2	Diethylphthalate	0.039	U
88-74-4	2-Nitroaniline	0.039	U	131-11-3	Dimethylphthalate	0.039	U
88-75-5	2-Nitrophenol	0.039	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	0.039	U	117-84-0	Di-n-octylphthalate	0.039	U
91-94-1	3,3'-Dichlorobenzidine	0.039	U	**206-44-0**	**Fluoranthene**	**0.039**	**0.26**
99-09-2	3-Nitroaniline	0.039	U	86-73-7	Fluorene	0.039	U
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.039	U
101-55-3	4-Bromophenyl-phenylether	0.039	U	87-68-3	Hexachlorobutadiene	0.039	U
59-50-7	4-Chloro-3-methylphenol	0.039	U	77-47-4	Hexachlorocyclopentadiene	0.19	U
106-47-8	4-Chloroaniline	0.039	U	67-72-1	Hexachloroethane	0.039	U
7005-72-3	4-Chlorophenyl-phenylether	0.039	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.039**	**0.17**
100-01-6	4-Nitroaniline	0.039	U	78-59-1	Isophorone	0.039	U
100-02-7	4-Nitrophenol	0.039	U	91-20-3	Naphthalene	0.039	U
83-32-9	Acenaphthene	0.039	U	98-95-3	Nitrobenzene	0.039	U
208-96-8	Acenaphthylene	0.039	U	621-64-7	N-Nitroso-di-n-propylamine	0.039	U
98-86-2	Acetophenone	0.039	U	86-30-6	n-Nitrosodiphenylamine	0.039	U
120-12-7	Anthracene	0.039	U	87-86-5	Pentachlorophenol	0.19	U
1912-24-9	Atrazine	0.039	U	**85-01-8**	**Phenanthrene**	**0.039**	**0.11**
100-52-7	Benzaldehyde	0.039	U	108-95-2	Phenol	0.039	U
56-55-3	**Benzo[a]anthracene**	**0.039**	**0.17**	**129-00-0**	**Pyrene**	**0.039**	**0.29**

Worksheet #: 765488

Total Target Concentration 1.9

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

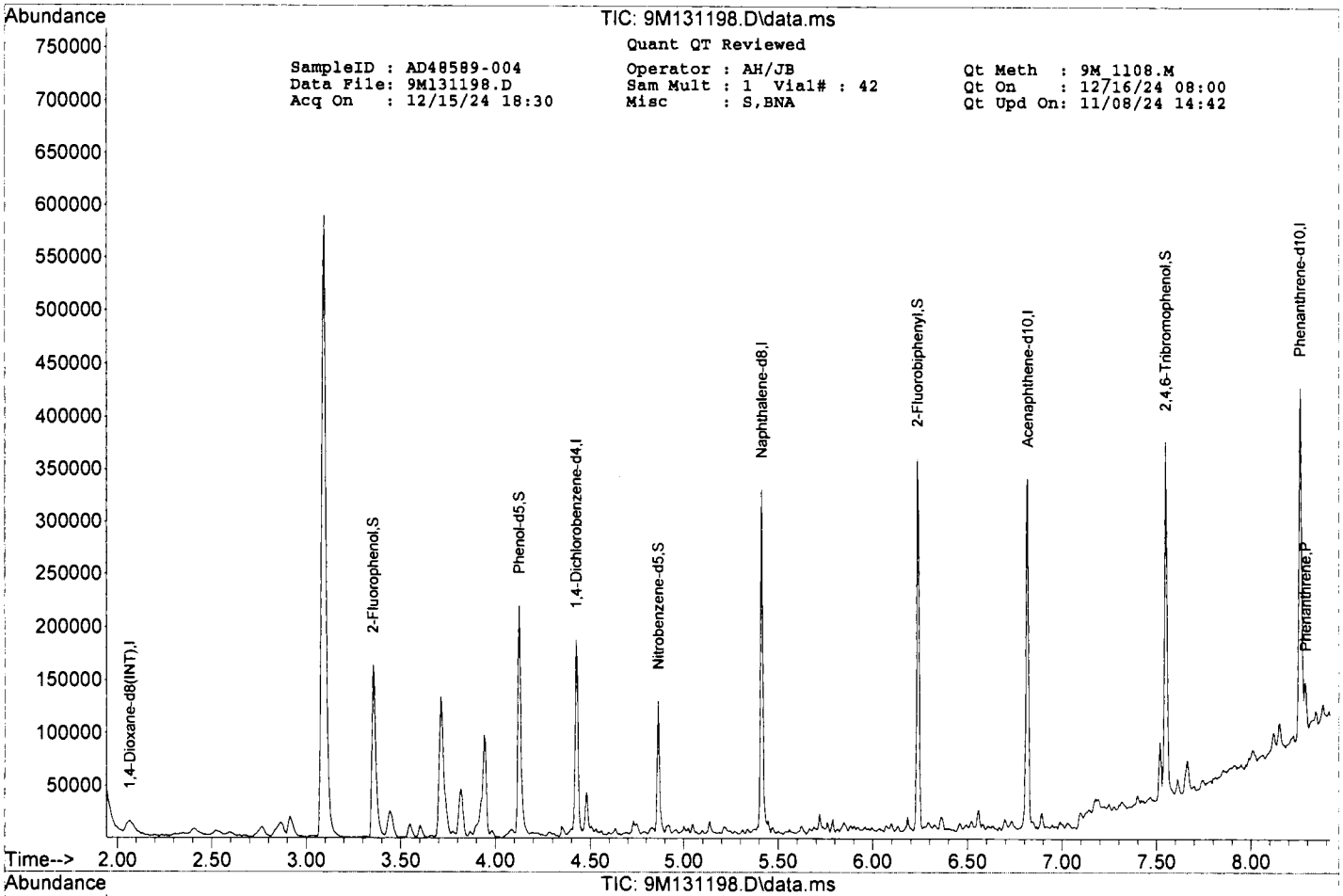
Quantitation Report (QT Reviewed)

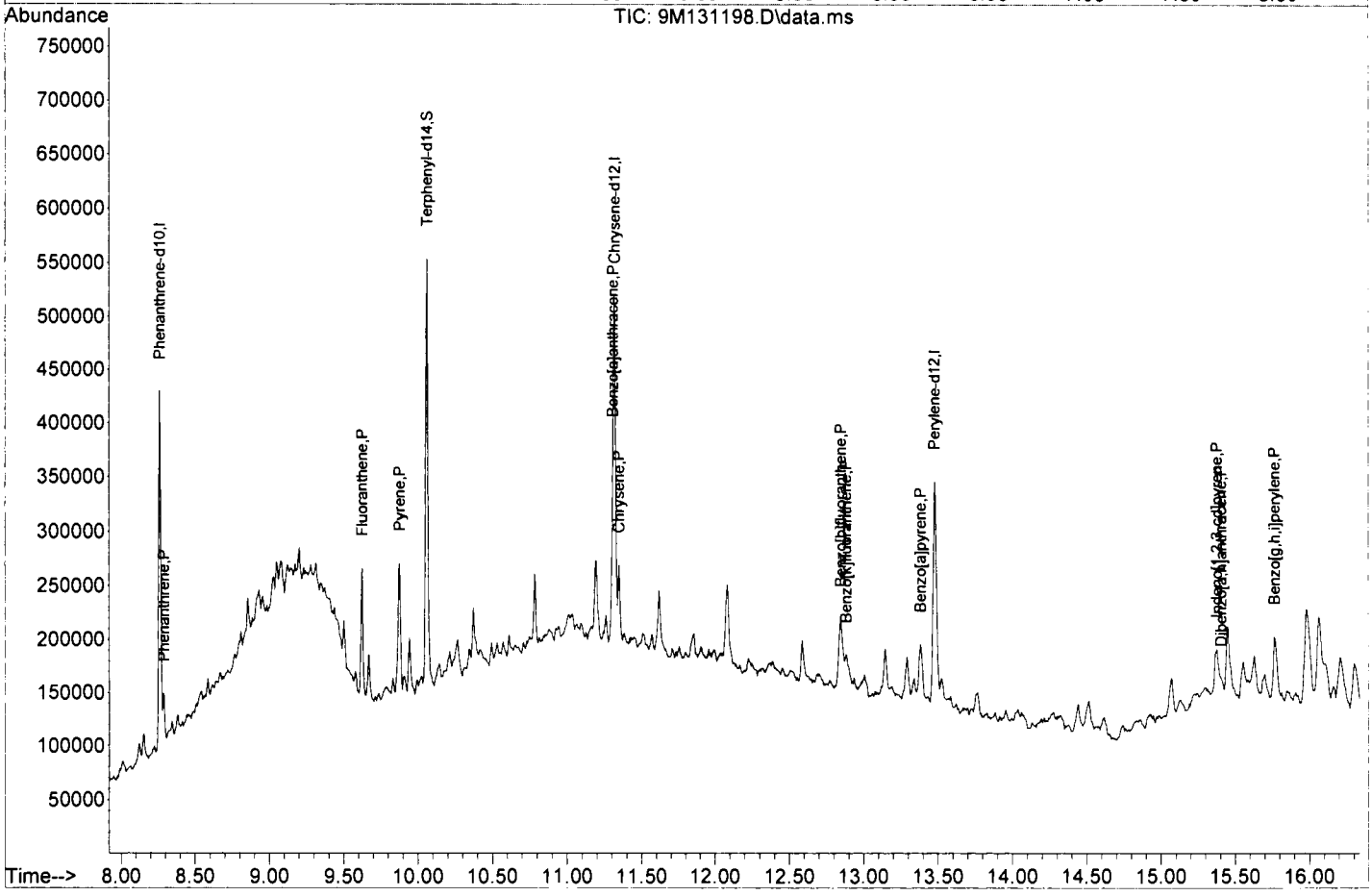
SampleID : AD48589-004 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131198.D Sam Mult : 1 Vial# : 42 Qt On : 12/16/24 08:00
Acq On : 12/15/24 18:30 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-15-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	16179	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.425	152	36086	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	131612	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	79565	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	141006	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	128616	40.00	ng	-0.04
102) Perylene-d12	13.477	264	133823	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	77606	89.49	ng	-0.04
Spiked Amount 100.000			Recovery = 89.49%			
16) Phenol-d5	4.125	99	95463	83.81	ng	-0.03
Spiked Amount 100.000			Recovery = 83.81%			
32) Nitrobenzene-d5	4.866	128	21990	41.56	ng	-0.04
Spiked Amount 50.000			Recovery = 83.12%			
55) 2-Fluorobiphenyl	6.237	172	113249	45.51	ng	-0.04
Spiked Amount 50.000			Recovery = 91.02%			
79) 2,4,6-Tribromophenol	7.548	330	53537	149.93	ng	-0.04
Spiked Amount 100.000			Recovery = 149.93%			
93) Terphenyl-d14	10.060	244	146306	53.77	ng	-0.04
Spiked Amount 50.000			Recovery = 107.54%			
Target Compounds						Qvalue
85) Phenanthrene	8.289	178	20336m	5.8459	ng	
89) Fluoranthene	9.625	202	50831	13.6157	ng	84
91) Pyrene	9.877	202	61511m	15.2203	ng	
99) Benzo[a]anthracene	11.307	228	33496m	8.8545	ng	
100) Chrysene	11.348	228	34727m	9.7240	ng	
104) Benzo[b]fluoranthene	12.848	252	51274m	13.3465	ng	
105) Benzo[k]fluoranthene	12.883	252	18186m	4.4658	ng	
106) Benzo[a]pyrene	13.383	252	36520m	10.0977	ng	
107) Indeno[1,2,3-cd]pyrene	15.377	276	27834m	8.5565	ng	
108) Dibenzo[a,h]anthracene	15.406	278	6654m	2.0134	ng	
109) Benzo[g,h,i]perylene	15.765	276	27024m	8.2350	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131198.D\data.ms
Quant QT Reviewed
SampleID : AD48589-004
Data File: 9M131198.D
Acq On : 12/15/24 18:30
Operator : AH/JB
Sam Mult : 1 Vial# : 42
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12716/24 08:00
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M131198.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Perylene-d12,I
Benzo[a]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48589-005(3X)
Client Id: SB-18-7.5-8.0'
Data File: 9M131220.D
Analysis Date: 12/16/24 11:23
Date Rec/Extracted: 12/09/24-12/14/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 3
Solids: 78

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.26	U	**50-32-8**	**Benzo[a]pyrene**	**0.26**	**0.54**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.26	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.26**	**0.66**
123-91-1	1,4-Dioxane	0.26	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.26**	**0.39**
58-90-2	2,3,4,6-Tetrachlorophenol	0.26	U	207-08-9	Benzo[k]fluoranthene	0.26	U
95-95-4	2,4,5-Trichlorophenol	0.26	U	111-91-1	bis(2-Chloroethoxy)methan	0.26	U
88-06-2	2,4,6-Trichlorophenol	0.26	U	111-44-4	bis(2-Chloroethyl)ether	0.098	U
120-83-2	2,4-Dichlorophenol	0.26	U	108-60-1	bis(2-chloroisopropyl)ether	0.26	U
105-67-9	2,4-Dimethylphenol	0.26	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.26	U
51-28-5	2,4-Dinitrophenol	1.3	U	85-68-7	Butylbenzylphthalate	0.26	U
121-14-2	2,4-Dinitrotoluene	0.26	U	105-60-2	Caprolactam	0.26	U
606-20-2	2,6-Dinitrotoluene	0.26	U	86-74-8	Carbazole	0.26	U
91-58-7	2-Chloronaphthalene	0.26	U	**218-01-9**	**Chrysene**	**0.26**	**0.44**
95-57-8	2-Chlorophenol	0.26	U	53-70-3	Dibenzo[a,h]anthracene	0.26	U
91-57-6	2-Methylnaphthalene	0.26	U	132-64-9	Dibenzofuran	0.26	U
95-48-7	2-Methylphenol	0.26	U	84-66-2	Diethylphthalate	0.26	U
88-74-4	2-Nitroaniline	0.26	U	131-11-3	Dimethylphthalate	0.26	U
88-75-5	2-Nitrophenol	0.26	U	84-74-2	Di-n-butylphthalate	1.3	U
106-44-5	3&4-Methylphenol	0.26	U	117-84-0	Di-n-octylphthalate	0.26	U
91-94-1	3,3'-Dichlorobenzidine	0.26	U	**206-44-0**	**Fluoranthene**	**0.26**	**0.57**
99-09-2	3-Nitroaniline	0.26	U	86-73-7	Fluorene	0.26	U
534-52-1	4,6-Dinitro-2-methylphenol	1.3	U	118-74-1	Hexachlorobenzene	0.26	U
101-55-3	4-Bromophenyl-phenylether	0.26	U	87-68-3	Hexachlorobutadiene	0.26	U
59-50-7	4-Chloro-3-methylphenol	0.26	U	77-47-4	Hexachlorocyclopentadiene	1.3	U
106-47-8	4-Chloroaniline	0.26	U	67-72-1	Hexachloroethane	0.26	U
7005-72-3	4-Chlorophenyl-phenylether	0.26	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.26**	**0.39**
100-01-6	4-Nitroaniline	0.26	U	78-59-1	Isophorone	0.26	U
100-02-7	4-Nitrophenol	0.26	U	91-20-3	Naphthalene	0.26	U
83-32-9	Acenaphthene	0.26	U	98-95-3	Nitrobenzene	0.26	U
208-96-8	Acenaphthylene	0.26	U	621-64-7	N-Nitroso-di-n-propylamine	0.26	U
98-86-2	Acetophenone	0.26	U	86-30-6	n-Nitrosodiphenylamine	0.26	U
120-12-7	Anthracene	0.26	U	87-86-5	Pentachlorophenol	1.3	U
1912-24-9	Atrazine	0.26	U	**85-01-8**	**Phenanthrene**	**0.26**	**0.26**
100-52-7	Benzaldehyde	0.26	U	108-95-2	Phenol	0.26	U
56-55-3	**Benzo[a]anthracene**	**0.26**	**0.44**	**129-00-0**	**Pyrene**	**0.26**	**0.62**

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

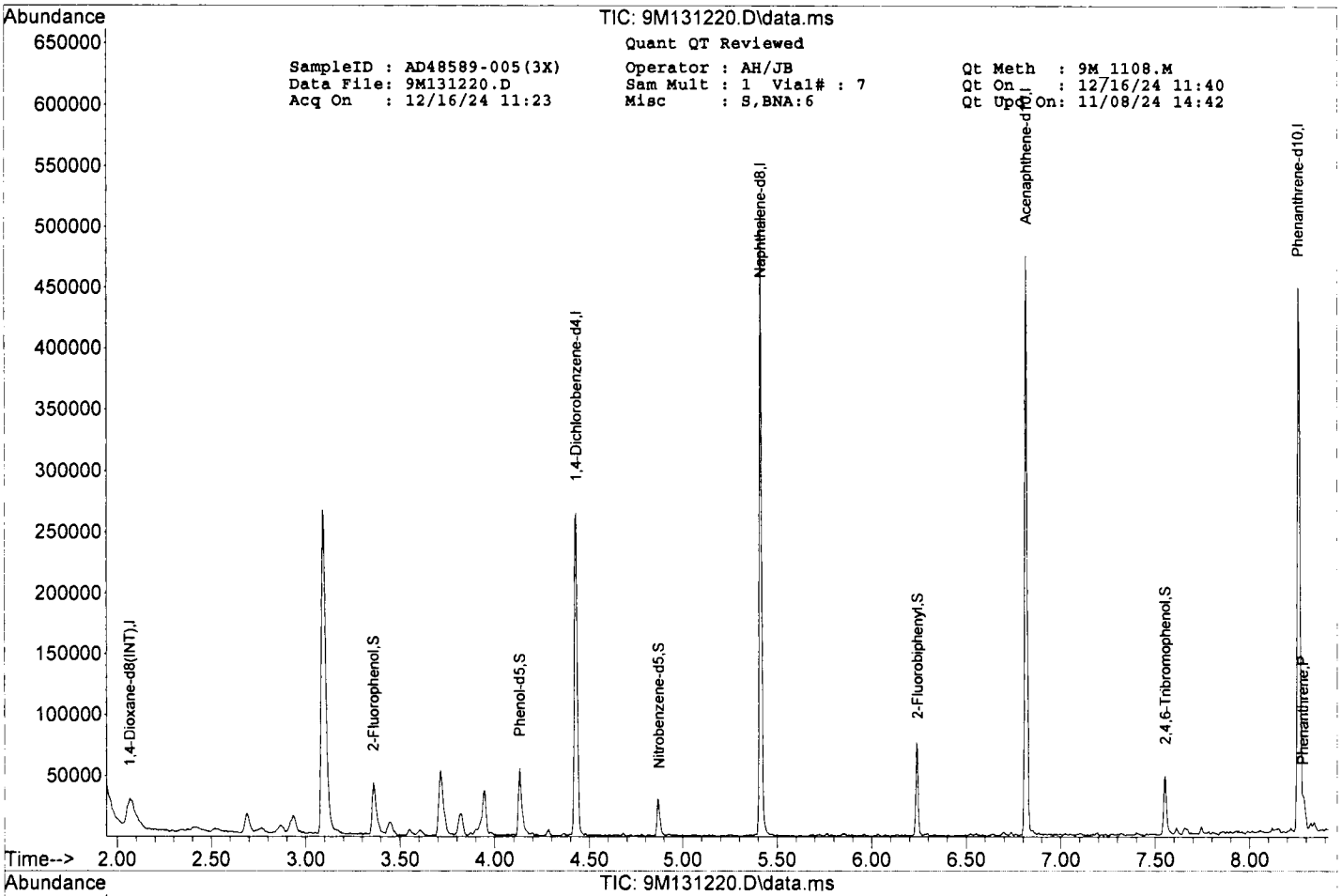
Quantitation Report (QT Reviewed)

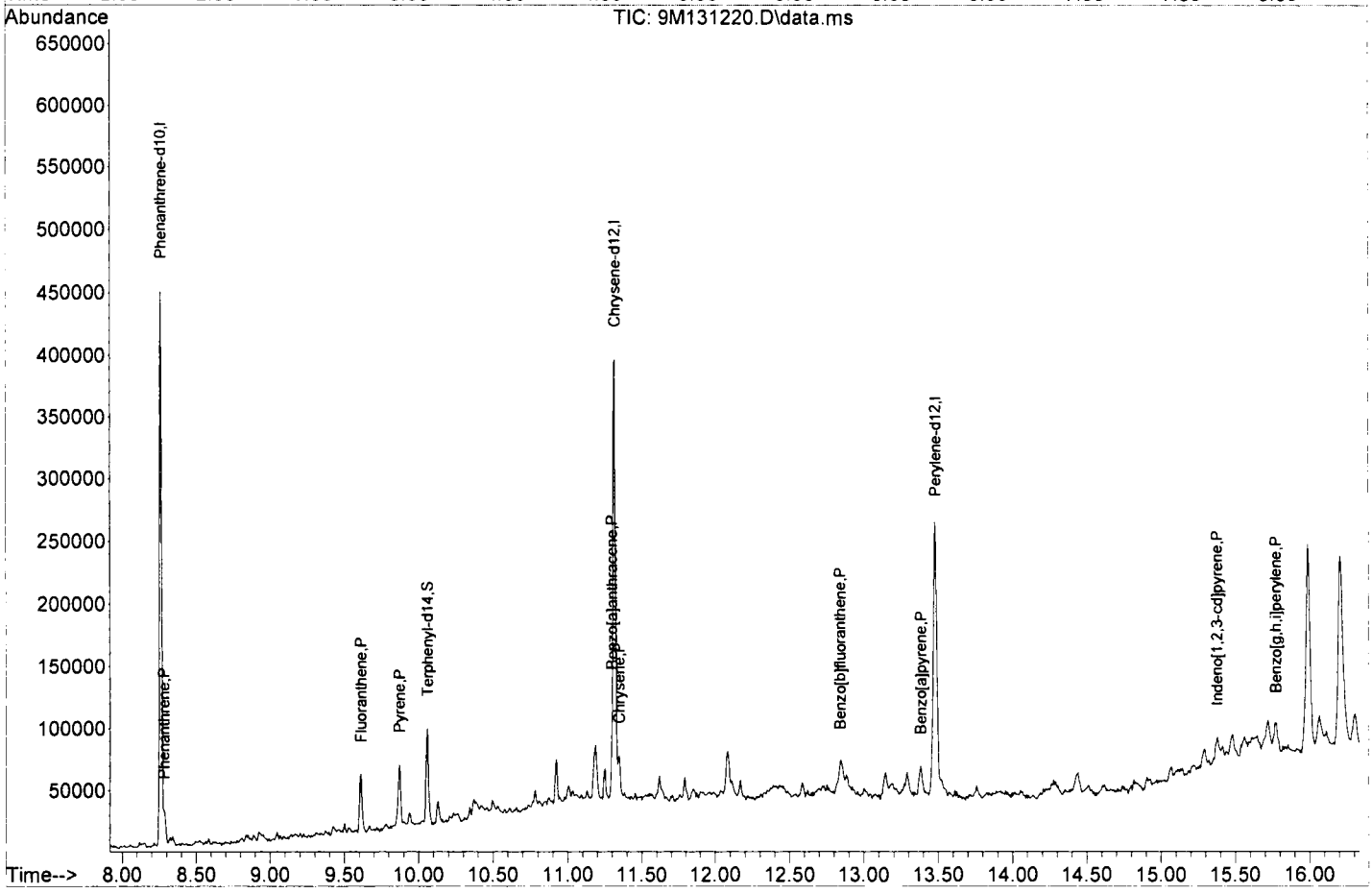
SampleID : AD48589-005(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131220.D Sam Mult : 1 Vial# : 7 Qt On : 12/16/24 11:40
Acq On : 12/16/24 11:23 Misc : S,BNA:6 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-16-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	24844	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	49836	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	191298	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	103263	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	178097	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	134998	40.00	ng	-0.04
102) Perylene-d12	13.483	264	115940	40.00	ng	-0.05
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	18862	14.16	ng	-0.03
Spiked Amount 100.000			Recovery = 14.16%			
16) Phenol-d5	4.131	99	23968	13.70	ng	-0.02
Spiked Amount 100.000			Recovery = 13.70%			
32) Nitrobenzene-d5	4.872	128	5235	6.81	ng	-0.03
Spiked Amount 50.000			Recovery = 13.62%			
55) 2-Fluorobiphenyl	6.243	172	23084	7.15	ng	-0.04
Spiked Amount 50.000			Recovery = 14.30%			
79) 2,4,6-Tribromophenol	7.554	330	5490	12.17	ng	-0.04
Spiked Amount 100.000			Recovery = 12.17%			
93) Terphenyl-d14	10.060	244	23554	8.25	ng	-0.04
Spiked Amount 50.000			Recovery = 16.50%			
Target Compounds						Qvalue
85) Phenanthrene	8.284	178	8876	2.0202	ng	97
89) Fluoranthene	9.613	202	20950	4.4430	ng	90
91) Pyrene	9.872	202	20646m	4.8671	ng	
99) Benzo[a]anthracene	11.301	228	13726m	3.4569	ng	
100) Chrysene	11.348	228	13009m	3.4705	ng	
104) Benzo[b]fluoranthene	12.842	252	17195m	5.1662	ng	
106) Benzo[a]pyrene	13.383	252	13078	4.1738	ng	92
107) Indeno[1,2,3-cd]pyrene	15.377	276	8480m	3.0089	ng	
109) Benzo[g,h,i]perylene	15.771	276	8541m	3.0041	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131220.D\data.ms
Quant QT Reviewed
SampleID : AD48589-005(3X)
Data File: 9M131220.D
Acq On : 12/16/24 11:23
Operator : AH/JB
Sam Mult : 1 Vial# : 7
Misc : S,BNA:6
Qt Meth : 9M_1108.M
Qt On : 12/16/24 11:40
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene,P
Phenanthrene-d10,I
Time-->


Abundance
TIC: 9M131220.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Benzo[a]anthracene,P
Chrysene,P
Benzo[b]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48589-006(5X)
Client Id: SB-21-7.5-8.0'
Data File: 9M131209.D
Analysis Date: 12/15/24 22:24
Date Rec/Extracted: 12/09/24-12/14/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 5
Solids: 79

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.21	U	**50-32-8**	**Benzo[a]pyrene**	**0.21**	**1.9**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.21	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.21**	**2.8**
123-91-1	1,4-Dioxane	0.21	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.21**	**1.0**
58-90-2	2,3,4,6-Tetrachlorophenol	0.21	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.21**	**0.77**
95-95-4	2,4,5-Trichlorophenol	0.21	U	111-91-1	bis(2-Chloroethoxy)methan	0.21	U
88-06-2	2,4,6-Trichlorophenol	0.21	U	111-44-4	bis(2-Chloroethyl)ether	0.080	U
120-83-2	2,4-Dichlorophenol	0.21	U	108-60-1	bis(2-chloroisopropyl)ether	0.21	U
105-67-9	2,4-Dimethylphenol	0.21	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.21	U
51-28-5	2,4-Dinitrophenol	1.1	U	85-68-7	Butylbenzylphthalate	0.21	U
121-14-2	2,4-Dinitrotoluene	0.21	U	105-60-2	Caprolactam	0.21	U
606-20-2	2,6-Dinitrotoluene	0.21	U	86-74-8	Carbazole	0.21	U
91-58-7	2-Chloronaphthalene	0.21	U	**218-01-9**	**Chrysene**	**0.21**	**2.4**
95-57-8	2-Chlorophenol	0.21	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.21**	**0.40**
91-57-6	2-Methylnaphthalene	0.21	U	132-64-9	Dibenzofuran	0.21	U
95-48-7	2-Methylphenol	0.21	U	84-66-2	Diethylphthalate	0.21	U
88-74-4	2-Nitroaniline	0.21	U	131-11-3	Dimethylphthalate	0.21	U
88-75-5	2-Nitrophenol	0.21	U	84-74-2	Di-n-butylphthalate	1.1	U
106-44-5	3&4-Methylphenol	0.21	U	117-84-0	Di-n-octylphthalate	0.21	U
91-94-1	3,3'-Dichlorobenzidine	0.21	U	**206-44-0**	**Fluoranthene**	**0.21**	**4.3**
99-09-2	3-Nitroaniline	0.21	U	**86-73-7**	**Fluorene**	**0.21**	**0.33**
534-52-1	4,6-Dinitro-2-methylphenol	1.1	U	118-74-1	Hexachlorobenzene	0.21	U
101-55-3	4-Bromophenyl-phenylether	0.21	U	87-68-3	Hexachlorobutadiene	0.21	U
59-50-7	4-Chloro-3-methylphenol	0.21	U	77-47-4	Hexachlorocyclopentadiene	1.1	U
106-47-8	4-Chloroaniline	0.21	U	67-72-1	Hexachloroethane	0.21	U
7005-72-3	4-Chlorophenyl-phenylether	0.21	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.21**	**1.3**
100-01-6	4-Nitroaniline	0.21	U	78-59-1	Isophorone	0.21	U
100-02-7	4-Nitrophenol	0.21	U	91-20-3	Naphthalene	0.21	U
83-32-9	Acenaphthene	0.21	U	98-95-3	Nitrobenzene	0.21	U
208-96-8	Acenaphthylene	0.21	U	621-64-7	N-Nitroso-di-n-propylamine	0.21	U
98-86-2	Acetophenone	0.21	U	86-30-6	n-Nitrosodiphenylamine	0.21	U
120-12-7	**Anthracene**	**0.21**	**0.93**	87-86-5	Pentachlorophenol	1.1	U
1912-24-9	Atrazine	0.21	U	**85-01-8**	**Phenanthrene**	**0.21**	**1.6**
100-52-7	Benzaldehyde	0.21	U	108-95-2	Phenol	0.21	U
56-55-3	**Benzo[a]anthracene**	**0.21**	**2.6**	**129-00-0**	**Pyrene**	**0.21**	**3.1**

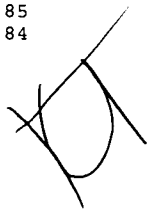
U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

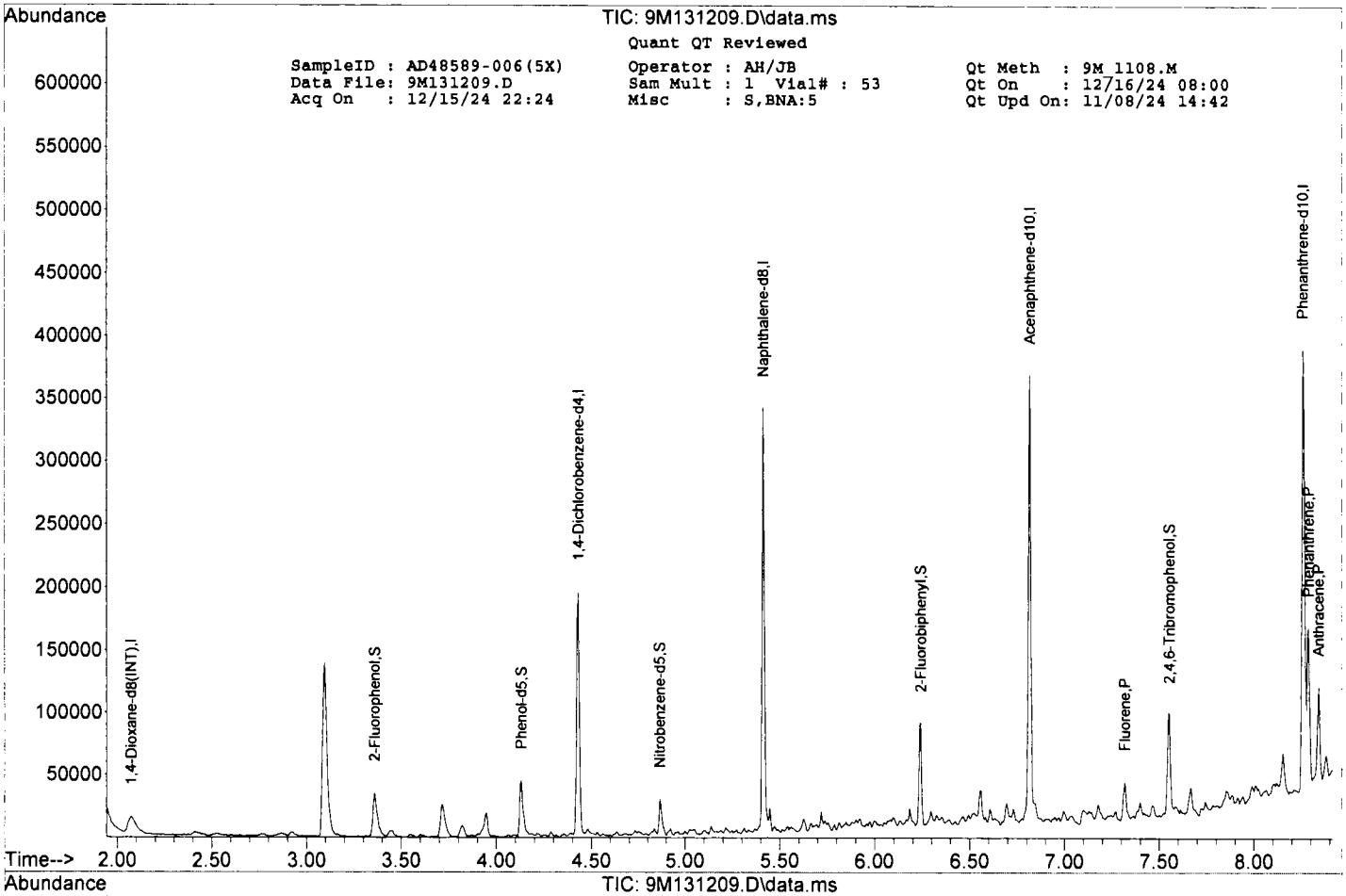
SampleID : AD48589-006(5X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131209.D Sam Mult : 1 Vial# : 53 Qt On : 12/16/24 08:00
Acq On : 12/15/24 22:24 Misc : S,BNA:5 Qt Upd On: 11/08/24 14:42

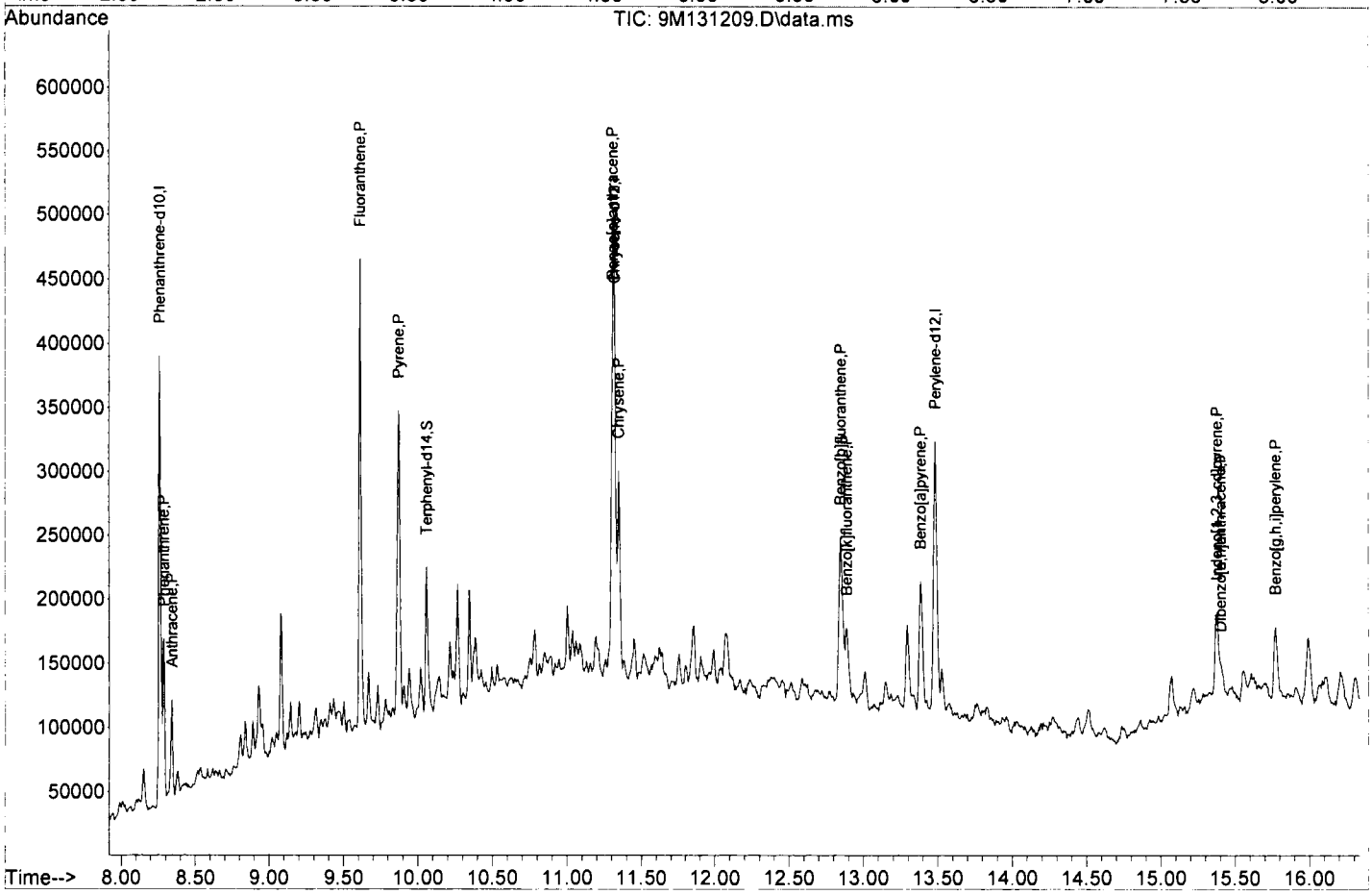
Data Path : G:\GcMsData\2024\GCMS_9\Data\12-15-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.072	96	17011	40.00	ng	-0.04
21) 1,4-Dichlorobenzene-d4	4.431	152	37712	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	135821	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	81157	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	149034	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	131491	40.00	ng	-0.04
102) Perylene-d12	13.483	264	138449	40.00	ng	-0.05
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	19316	21.18	ng	-0.03
Spiked Amount 100.000			Recovery = 21.18%			
16) Phenol-d5	4.131	99	23348	19.49	ng	-0.02
Spiked Amount 100.000			Recovery = 19.49%			
32) Nitrobenzene-d5	4.866	128	5231	9.58	ng	-0.04
Spiked Amount 50.000			Recovery = 19.16%			
55) 2-Fluorobiphenyl	6.243	172	27508	10.84	ng	-0.04
Spiked Amount 50.000			Recovery = 21.68%			
79) 2,4,6-Tribromophenol	7.554	330	12781	33.87	ng	-0.04
Spiked Amount 100.000			Recovery = 33.87%			
93) Terphenyl-d14	10.060	244	36934	13.28	ng	-0.04
Spiked Amount 50.000			Recovery = 26.56%			
Target Compounds						Qvalue
71) Fluorene	7.319	166	7881m	3.1606	ng	
85) Phenanthrene	8.290	178	54416	14.8001	ng	99
86) Anthracene	8.342	178	32747m	8.8596	ng	
89) Fluoranthene	9.613	202	161263	40.8694	ng	85
91) Pyrene	9.872	202	120341	29.1262	ng	84
99) Benzo[a]anthracene	11.307	228	94980m	24.5585	ng	
100) Chrysene	11.348	228	82917m	22.7101	ng	
104) Benzo[b]fluoranthene	12.848	252	105112m	26.4463	ng	
105) Benzo[k]fluoranthene	12.889	252	30888m	7.3315	ng	
106) Benzo[a]pyrene	13.383	252	67806m	18.1218	ng	
107) Indeno[1,2,3-cd]pyrene	15.377	276	41397m	12.3007	ng	
108) Dibenzo[a,h]anthracene	15.401	278	12807m	3.7457	ng	
109) Benzo[g,h,i]perylene	15.771	276	33578m	9.8903	ng	



(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131209.D\data.ms
Quant QT Reviewed
SampleID : AD48589-006(5X)
Data File: 9M131209.D
Acq On : 12/15/24 22:24
Operator : AH/JB
Sam Mult : 1 Vial# : 53
Misc : S,BNA:5
Qt Meth : 9M_1108.M
Qt On : 12/16/24 08:00
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
Fluorene,P
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Anthracene,P
Time-->


Abundance
TIC: 9M131209.D\data.ms
Phenanthrene-d10,I
Anthracene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene,P
Benzo[k]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48589-007
Client Id: SB-10-7.5-8.0'
Data File: 9M131199.D
Analysis Date: 12/15/24 18:51
Date Rec/Extracted: 12/09/24-12/14/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 87

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.038	U	**50-32-8**	**Benzo[a]pyrene**	**0.038**	**0.13**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.038	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.038**	**0.19**
123-91-1	1,4-Dioxane	0.038	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.038**	**0.097**
58-90-2	2,3,4,6-Tetrachlorophenol	0.038	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.038**	**0.058**
95-95-4	2,4,5-Trichlorophenol	0.038	U	111-91-1	bis(2-Chloroethoxy)methan	0.038	U
88-06-2	2,4,6-Trichlorophenol	0.038	U	111-44-4	bis(2-Chloroethyl)ether	0.015	U
120-83-2	2,4-Dichlorophenol	0.038	U	108-60-1	bis(2-chloroisopropyl)ether	0.038	U
105-67-9	2,4-Dimethylphenol	0.038	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.038	U
51-28-5	2,4-Dinitrophenol	0.19	U	85-68-7	Butylbenzylphthalate	0.038	U
121-14-2	2,4-Dinitrotoluene	0.038	U	105-60-2	Caprolactam	0.038	U
606-20-2	2,6-Dinitrotoluene	0.038	U	86-74-8	Carbazole	0.038	U
91-58-7	2-Chloronaphthalene	0.038	U	**218-01-9**	**Chrysene**	**0.038**	**0.14**
95-57-8	2-Chlorophenol	0.038	U	53-70-3	Dibenzo[a,h]anthracene	0.038	U
91-57-6	2-Methylnaphthalene	0.038	U	132-64-9	Dibenzofuran	0.038	U
95-48-7	2-Methylphenol	0.038	U	84-66-2	Diethylphthalate	0.038	U
88-74-4	2-Nitroaniline	0.038	U	131-11-3	Dimethylphthalate	0.038	U
88-75-5	2-Nitrophenol	0.038	U	84-74-2	Di-n-butylphthalate	0.19	U
106-44-5	3&4-Methylphenol	0.038	U	117-84-0	Di-n-octylphthalate	0.038	U
91-94-1	3,3'-Dichlorobenzidine	0.038	U	**206-44-0**	**Fluoranthene**	**0.038**	**0.25**
99-09-2	3-Nitroaniline	0.038	U	86-73-7	Fluorene	0.038	U
534-52-1	4,6-Dinitro-2-methylphenol	0.19	U	118-74-1	Hexachlorobenzene	0.038	U
101-55-3	4-Bromophenyl-phenylether	0.038	U	87-68-3	Hexachlorobutadiene	0.038	U
59-50-7	4-Chloro-3-methylphenol	0.038	U	77-47-4	Hexachlorocyclopentadiene	0.19	U
106-47-8	4-Chloroaniline	0.038	U	67-72-1	Hexachloroethane	0.038	U
7005-72-3	4-Chlorophenyl-phenylether	0.038	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.038**	**0.10**
100-01-6	4-Nitroaniline	0.038	U	78-59-1	Isophorone	0.038	U
100-02-7	4-Nitrophenol	0.038	U	91-20-3	Naphthalene	0.038	U
83-32-9	Acenaphthene	0.038	U	98-95-3	Nitrobenzene	0.038	U
208-96-8	Acenaphthylene	0.038	U	621-64-7	N-Nitroso-di-n-propylamine	0.038	U
98-86-2	Acetophenone	0.038	U	86-30-6	n-Nitrosodiphenylamine	0.038	U
120-12-7	Anthracene	0.038	U	87-86-5	Pentachlorophenol	0.19	U
1912-24-9	Atrazine	0.038	U	**85-01-8**	**Phenanthrene**	**0.038**	**0.12**
100-52-7	Benzaldehyde	0.038	U	108-95-2	Phenol	0.038	U
56-55-3	**Benzo[a]anthracene**	**0.038**	**0.14**	**129-00-0**	**Pyrene**	**0.038**	**0.20**

Worksheet #: 765488

Total Target Concentration 1.4

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

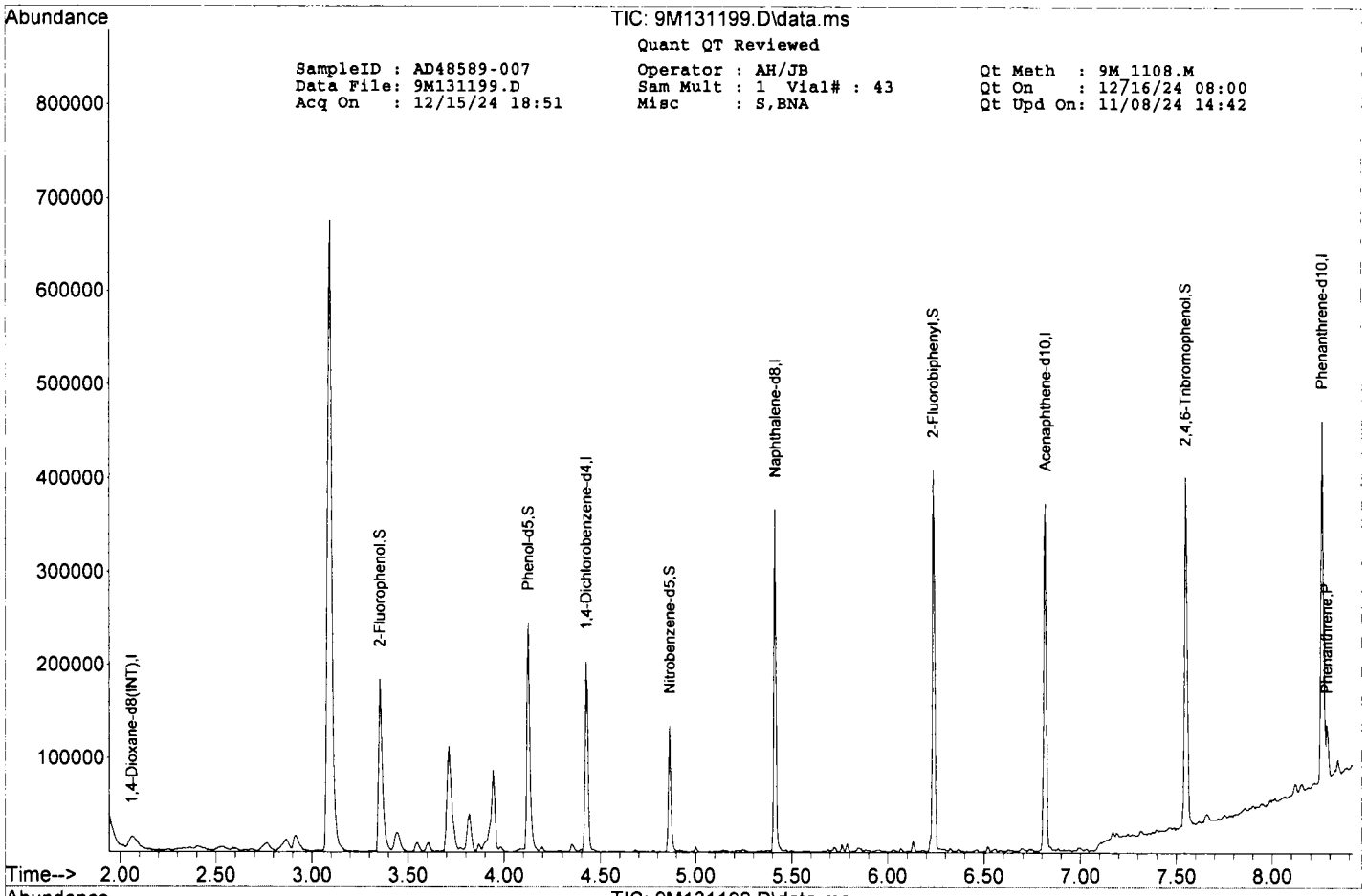
Quantitation Report (QT Reviewed)

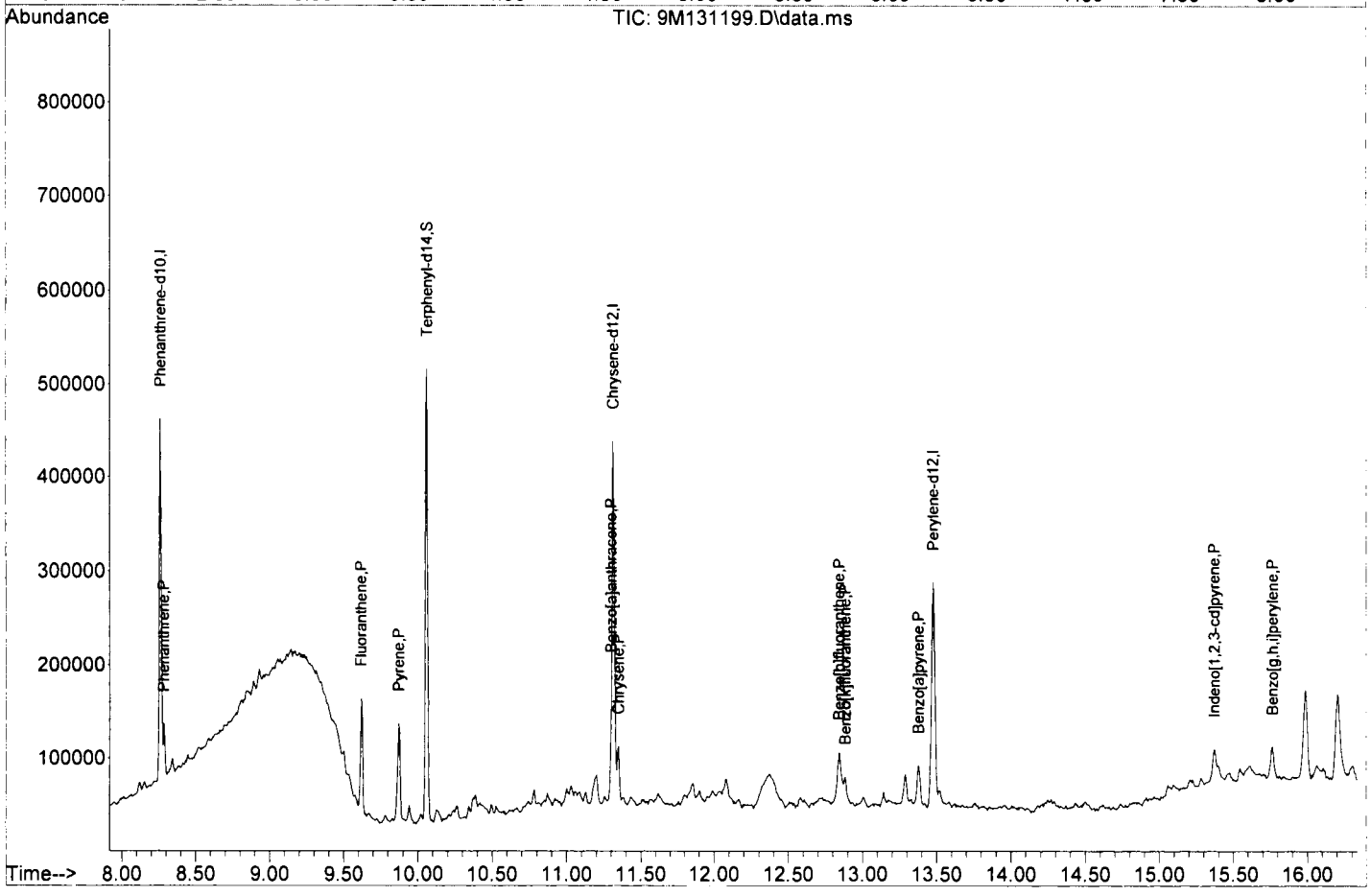
SampleID : AD48589-007 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131199.D Sam Mult : 1 Vial# : 43 Qt On : 12/16/24 08:00
Acq On : 12/15/24 18:51 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-15-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	17189	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.425	152	39657	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	145708	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	88348	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	161163	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	148368	40.00	ng	-0.05
102) Perylene-d12	13.477	264	151229	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	83882	91.04	ng	-0.04
Spiked Amount 100.000			Recovery = 91.04%			
16) Phenol-d5	4.125	99	105727	87.36	ng	-0.03
Spiked Amount 100.000			Recovery = 87.36%			
32) Nitrobenzene-d5	4.866	128	24456	41.75	ng	-0.04
Spiked Amount 50.000			Recovery = 83.50%			
55) 2-Fluorobiphenyl	6.237	172	126629	45.83	ng	-0.04
Spiked Amount 50.000			Recovery = 91.66%			
79) 2,4,6-Tribromophenol	7.548	330	62437	152.99	ng	-0.04
Spiked Amount 100.000			Recovery = 152.99%			
93) Terphenyl-dl4	10.060	244	181381	57.78	ng	-0.04
Spiked Amount 50.000			Recovery = 115.56%			
Target Compounds						Qvalue
85) Phenanthrene	8.284	178	24342	6.1223	ng	99
89) Fluoranthene	9.619	202	55316	12.9639	ng	86
91) Pyrene	9.872	202	49144	10.5414	ng	85
99) Benzo[a]anthracene	11.301	228	30956m	7.0937	ng	
100) Chrysene	11.348	228	29968m	7.2743	ng	
104) Benzo[b]fluoranthene	12.842	252	42313m	9.7463	ng	
105) Benzo[k]fluoranthene	12.883	252	13822m	3.0035	ng	
106) Benzo[a]pyrene	13.377	252	27442m	6.7143	ng	
107) Indeno[1,2,3-cd]pyrene	15.371	276	19567m	5.3228	ng	
109) Benzo[g,h,i]perylene	15.765	276	18851m	5.0833	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131199.D\data.ms
Quant QT Reviewed
SampleID : AD48589-007
Data File: 9M131199.D
Acq On : 12/15/24 18:51
Operator : AH/JB
Sam Mult : 1 Vial# : 43
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/16/24 08:00
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M131199.D\data.ms
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Fluoranthene,P
Pyrene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48589-008(3X)
Client Id: SB-11-7.5-8.0'
Data File: 9M131221.D
Analysis Date: 12/16/24 11:44
Date Rec/Extracted: 12/09/24-12/14/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 1ml
Dilution: 3
Solids: 73

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.27	U	50-32-8	Benzo[a]pyrene	0.27	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.27	U	205-99-2	Benzo[b]fluoranthene	0.27	U
123-91-1	1,4-Dioxane	0.27	U	191-24-2	Benzo[g,h,i]perylene	0.27	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.27	U	207-08-9	Benzo[k]fluoranthene	0.27	U
95-95-4	2,4,5-Trichlorophenol	0.27	U	111-91-1	bis(2-Chloroethoxy)methan	0.27	U
88-06-2	2,4,6-Trichlorophenol	0.27	U	111-44-4	bis(2-Chloroethyl)ether	0.10	U
120-83-2	2,4-Dichlorophenol	0.27	U	108-60-1	bis(2-chloroisopropyl)ether	0.27	U
105-67-9	2,4-Dimethylphenol	0.27	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.27	U
51-28-5	2,4-Dinitrophenol	1.4	U	85-68-7	Butylbenzylphthalate	0.27	U
121-14-2	2,4-Dinitrotoluene	0.27	U	105-60-2	Caprolactam	0.27	U
606-20-2	2,6-Dinitrotoluene	0.27	U	86-74-8	Carbazole	0.27	U
91-58-7	2-Chloronaphthalene	0.27	U	218-01-9	Chrysene	0.27	U
95-57-8	2-Chlorophenol	0.27	U	53-70-3	Dibenzo[a,h]anthracene	0.27	U
91-57-6	2-Methylnaphthalene	0.27	U	132-64-9	Dibenzofuran	0.27	U
95-48-7	2-Methylphenol	0.27	U	84-66-2	Diethylphthalate	0.27	U
88-74-4	2-Nitroaniline	0.27	U	131-11-3	Dimethylphthalate	0.27	U
88-75-5	2-Nitrophenol	0.27	U	84-74-2	Di-n-butylphthalate	1.4	U
106-44-5	3&4-Methylphenol	0.27	U	117-84-0	Di-n-octylphthalate	0.27	U
91-94-1	3,3'-Dichlorobenzidine	0.27	U	206-44-0	Fluoranthene	0.27	U
99-09-2	3-Nitroaniline	0.27	U	86-73-7	Fluorene	0.27	U
534-52-1	4,6-Dinitro-2-methylphenol	1.4	U	118-74-1	Hexachlorobenzene	0.27	U
101-55-3	4-Bromophenyl-phenylether	0.27	U	87-68-3	Hexachlorobutadiene	0.27	U
59-50-7	4-Chloro-3-methylphenol	0.27	U	77-47-4	Hexachlorocyclopentadiene	1.4	U
106-47-8	4-Chloroaniline	0.27	U	67-72-1	Hexachloroethane	0.27	U
7005-72-3	4-Chlorophenyl-phenylether	0.27	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.27	U
100-01-6	4-Nitroaniline	0.27	U	78-59-1	Isophorone	0.27	U
100-02-7	4-Nitrophenol	0.27	U	91-20-3	Naphthalene	0.27	U
83-32-9	Acenaphthene	0.27	U	98-95-3	Nitrobenzene	0.27	U
208-96-8	Acenaphthylene	0.27	U	621-64-7	N-Nitroso-di-n-propylamine	0.27	U
98-86-2	Acetophenone	0.27	U	86-30-6	n-Nitrosodiphenylamine	0.27	U
120-12-7	Anthracene	0.27	U	87-86-5	Pentachlorophenol	1.4	U
1912-24-9	Atrazine	0.27	U	85-01-8	Phenanthrene	0.27	U
100-52-7	Benzaldehyde	0.27	U	108-95-2	Phenol	0.27	U
56-55-3	Benzo[a]anthracene	0.27	U	129-00-0	Pyrene	0.27	U

Worksheet #: 765488

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

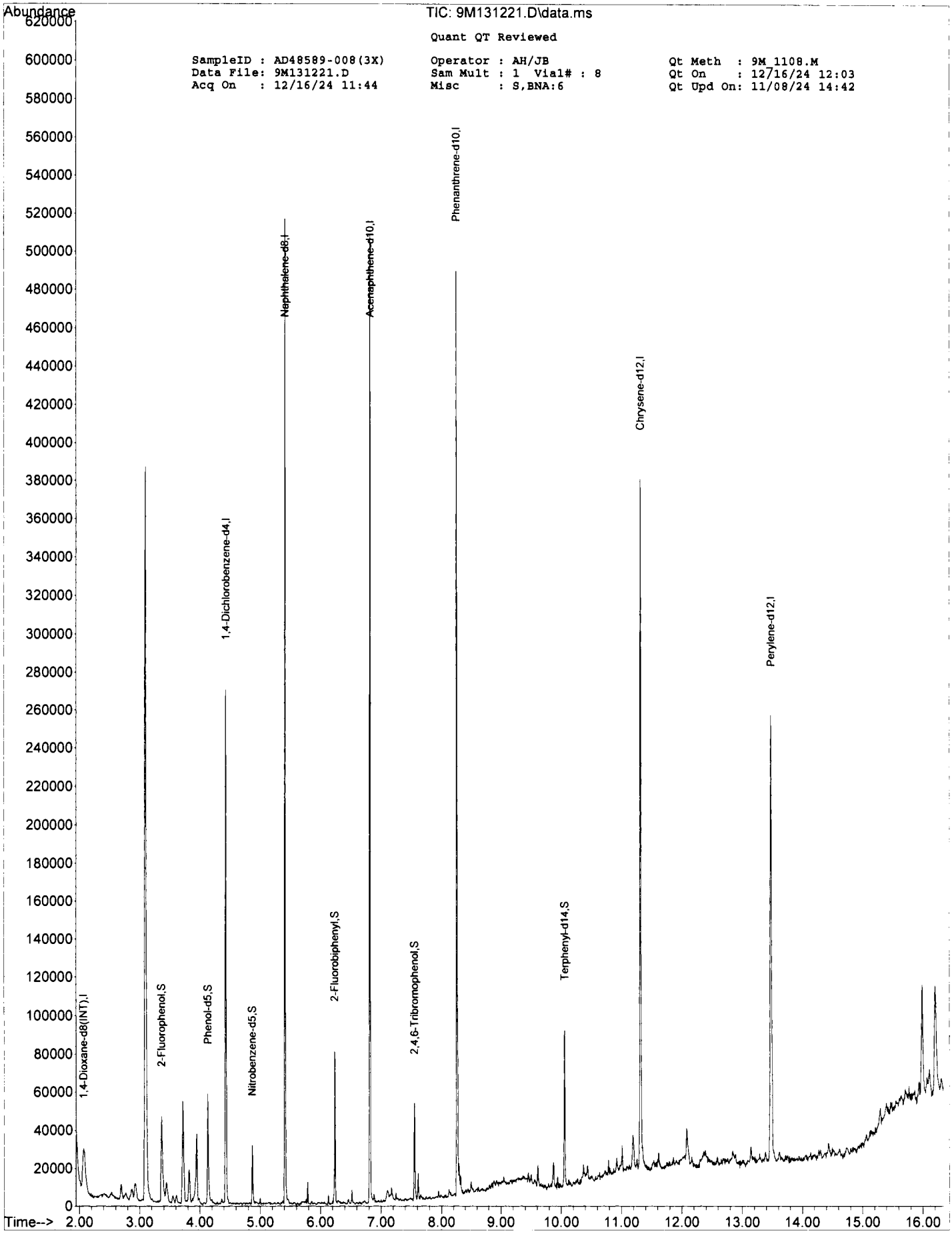
Quantitation Report (QT Reviewed)

SampleID : AD48589-008(3X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131221.D Sam Mult : 1 Vial# : 8 Qt On : 12/16/24 12:03
Acq On : 12/16/24 11:44 Misc : S,BNA:6 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-16-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	26712	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	51166	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	198790	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	105955	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	182946	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	139737	40.00	ng	-0.05
102) Perylene-d12	13.477	264	118953	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	20924	14.61	ng	-0.03
Spiked Amount 100.000			Recovery = 14.61%			
16) Phenol-d5	4.131	99	25537	13.58	ng	-0.02
Spiked Amount 100.000			Recovery = 13.58%			
32) Nitrobenzene-d5	4.866	128	5676	7.10	ng	-0.04
Spiked Amount 50.000			Recovery = 14.20%			
55) 2-Fluorobiphenyl	6.237	172	25155	7.59	ng	-0.04
Spiked Amount 50.000			Recovery = 15.18%			
79) 2,4,6-Tribromophenol	7.554	330	6018	12.99	ng	-0.04
Spiked Amount 100.000			Recovery = 12.99%			
93) Terphenyl-d14	10.060	244	25922	8.77	ng	-0.04
Spiked Amount 50.000			Recovery = 17.54%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131221.D\data.ms
Quant QT Reviewed
SampleID : AD48589-008(3X)
Data File: 9M131221.D
Acq On : 12/16/24 11:44
Operator : AH/JB
Sam Mult : 1 Vial# : 8
Misc : S,BNA:6
Qt Meth : 9M_1108.M
Qt On : 12/16/24 12:03
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48589-009
Client Id: SB-11-7.5-8.0 DUP
Data File: 9M131200.D
Analysis Date: 12/15/24 19:13
Date Rec/Extracted: 12/09/24-12/14/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 79

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.042	U	**50-32-8**	**Benzo[a]pyrene**	**0.042**	**0.28**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.042	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.042**	**0.38**
123-91-1	1,4-Dioxane	0.042	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.042**	**0.21**
58-90-2	2,3,4,6-Tetrachlorophenol	0.042	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.042**	**0.11**
95-95-4	2,4,5-Trichlorophenol	0.042	U	111-91-1	bis(2-Chloroethoxy)methan	0.042	U
88-06-2	2,4,6-Trichlorophenol	0.042	U	111-44-4	bis(2-Chloroethyl)ether	0.016	U
120-83-2	2,4-Dichlorophenol	0.042	U	108-60-1	bis(2-chloroisopropyl)ether	0.042	U
105-67-9	2,4-Dimethylphenol	0.042	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.042	U
51-28-5	2,4-Dinitrophenol	0.21	U	85-68-7	Butylbenzylphthalate	0.042	U
121-14-2	2,4-Dinitrotoluene	0.042	U	105-60-2	Caprolactam	0.042	U
606-20-2	2,6-Dinitrotoluene	0.042	U	86-74-8	Carbazole	0.042	U
91-58-7	2-Chloronaphthalene	0.042	U	**218-01-9**	**Chrysene**	**0.042**	**0.26**
95-57-8	2-Chlorophenol	0.042	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.042**	**0.054**
91-57-6	2-Methylnaphthalene	0.042	U	132-64-9	Dibenzofuran	0.042	U
95-48-7	2-Methylphenol	0.042	U	84-66-2	Diethylphthalate	0.042	U
88-74-4	2-Nitroaniline	0.042	U	131-11-3	Dimethylphthalate	0.042	U
88-75-5	2-Nitrophenol	0.042	U	84-74-2	Di-n-butylphthalate	0.21	U
106-44-5	3&4-Methylphenol	0.042	U	117-84-0	Di-n-octylphthalate	0.042	U
91-94-1	3,3'-Dichlorobenzidine	0.042	U	**206-44-0**	**Fluoranthene**	**0.042**	**0.36**
99-09-2	3-Nitroaniline	0.042	U	86-73-7	Fluorene	0.042	U
534-52-1	4,6-Dinitro-2-methylphenol	0.21	U	118-74-1	Hexachlorobenzene	0.042	U
101-55-3	4-Bromophenyl-phenylether	0.042	U	87-68-3	Hexachlorobutadiene	0.042	U
59-50-7	4-Chloro-3-methylphenol	0.042	U	77-47-4	Hexachlorocyclopentadiene	0.21	U
106-47-8	4-Chloroaniline	0.042	U	67-72-1	Hexachloroethane	0.042	U
7005-72-3	4-Chlorophenyl-phenylether	0.042	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.042**	**0.23**
100-01-6	4-Nitroaniline	0.042	U	78-59-1	Isophorone	0.042	U
100-02-7	4-Nitrophenol	0.042	U	91-20-3	Naphthalene	0.042	U
83-32-9	Acenaphthene	0.042	U	98-95-3	Nitrobenzene	0.042	U
208-96-8	Acenaphthylene	0.042	U	621-64-7	N-Nitroso-di-n-propylamine	0.042	U
98-86-2	Acetophenone	0.042	U	86-30-6	n-Nitrosodiphenylamine	0.042	U
120-12-7	Anthracene	0.042	U	87-86-5	Pentachlorophenol	0.21	U
1912-24-9	Atrazine	0.042	U	**85-01-8**	**Phenanthrene**	**0.042**	**0.14**
100-52-7	Benzaldehyde	0.042	U	108-95-2	Phenol	0.042	U
56-55-3	**Benzo[a]anthracene**	**0.042**	**0.24**	**129-00-0**	**Pyrene**	**0.042**	**0.32**

Worksheet #: 765488

Total Target Concentration 2.6

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

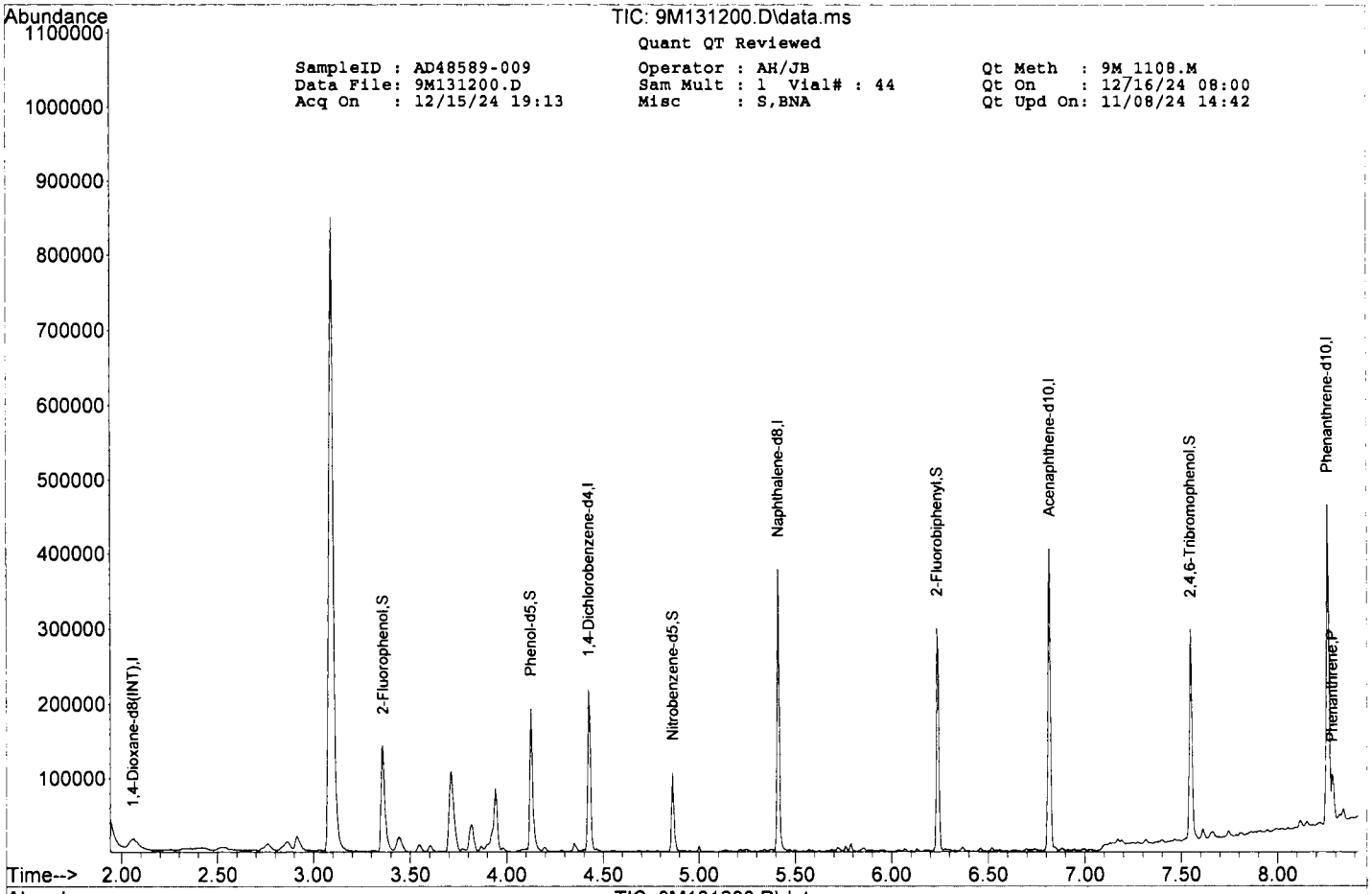
Quantitation Report (QT Reviewed)

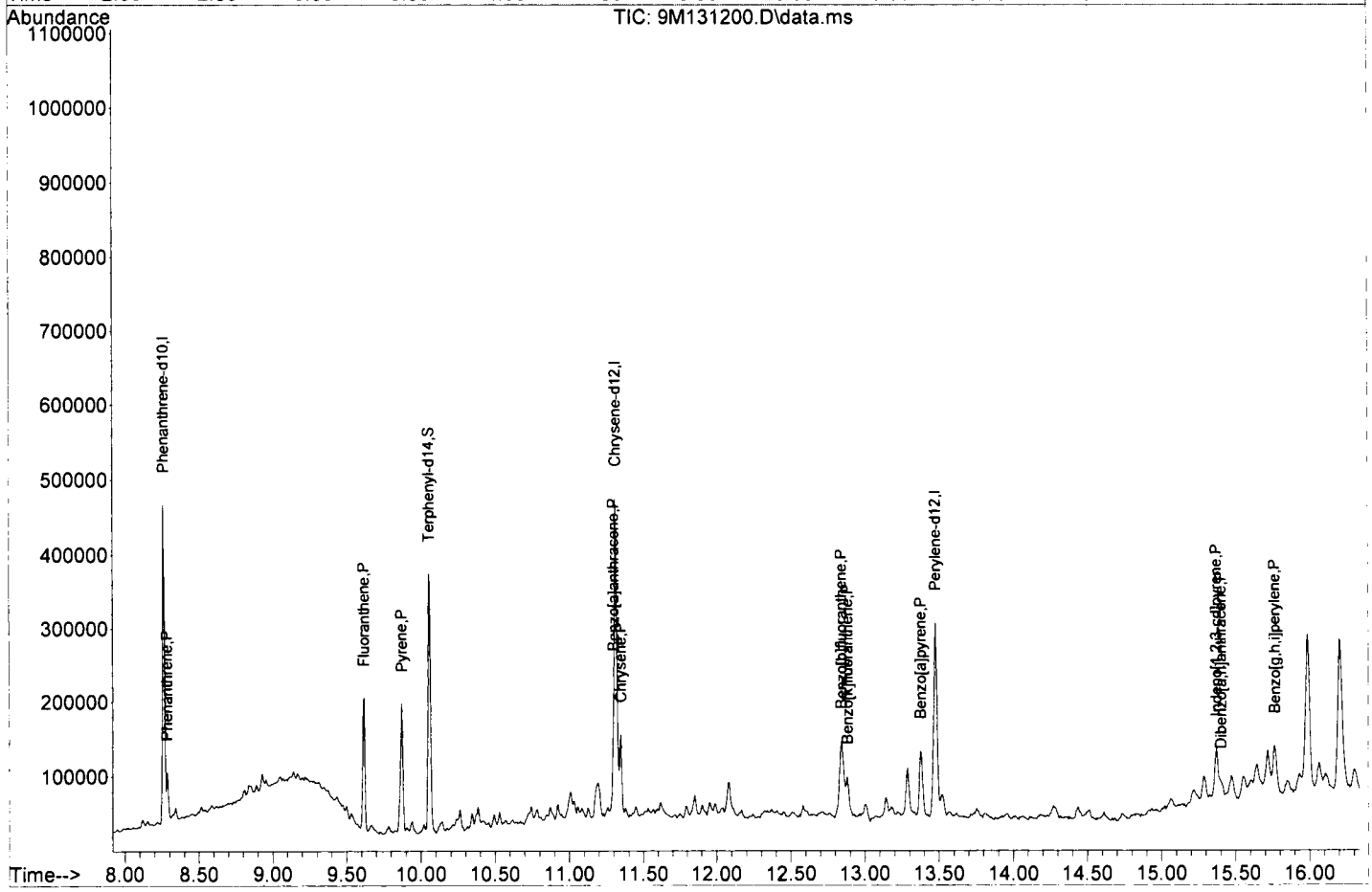
SampleID : AD48589-009 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131200.D Sam Mult : 1 Vial# : 44 Qt On : 12/16/24 08:00
Acq On : 12/15/24 19:13 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-15-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.060	96	18179	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.425	152	42129	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	153016	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	93803	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	170852	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	158032	40.00	ng	-0.05
102) Perylene-d12	13.477	264	159614	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	65972	67.70	ng	-0.03
Spiked Amount 100.000			Recovery = 67.70%			
16) Phenol-d5	4.125	99	80663	63.02	ng	-0.03
Spiked Amount 100.000			Recovery = 63.02%			
32) Nitrobenzene-d5	4.866	128	18538	30.14	ng	-0.04
Spiked Amount 50.000			Recovery = 60.28%			
55) 2-Fluorobiphenyl	6.237	172	96367	32.85	ng	-0.04
Spiked Amount 50.000			Recovery = 65.70%			
79) 2,4,6-Tribromophenol	7.548	330	46104	106.56	ng	-0.04
Spiked Amount 100.000			Recovery = 106.56%			
93) Terphenyl-d14	10.054	244	134733	40.30	ng	-0.05
Spiked Amount 50.000			Recovery = 80.60%			
Target Compounds						Qvalue
85) Phenanthrene	8.283	178	27693m	6.5701	ng	
89) Fluoranthene	9.619	202	77641	17.1641	ng	82
91) Pyrene	9.872	202	74602	15.0235	ng	86
99) Benzo[a]anthracene	11.301	228	52537m	11.3028	ng	
100) Chrysene	11.348	228	53519m	12.1965	ng	
104) Benzo[b]fluoranthene	12.842	252	82436m	17.9907	ng	
105) Benzo[k]fluoranthene	12.883	252	26150m	5.3839	ng	
106) Benzo[a]pyrene	13.377	252	58035	13.4537	ng	88
107) Indeno[1,2,3-cd]pyrene	15.371	276	41572m	10.7147	ng	
108) Dibenzo[a,h]anthracene	15.401	278	10017m	2.5412	ng	
109) Benzo[g,h,i]perylene	15.765	276	39704m	10.1439	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131200.D\data.ms
Quant QT Reviewed
SampleID : AD48589-009
Data File: 9M131200.D
Acq On : 12/15/24 19:13
Operator : AH/JB
Sam Mult : 1 Vial# : 44
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/16/24 08:00
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M131200.D\data.ms
Phenanthrene-d10,I
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Benzo[a]pyrene,P
Perylene-d12,I
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48589-010
Client Id: SB-17-7.5-8.0'
Data File: 9M131201.D
Analysis Date: 12/15/24 19:34
Date Rec/Extracted: 12/09/24-12/14/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 83

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.040	U	**50-32-8**	**Benzo[a]pyrene**	**0.040**	**0.55**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.040	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.040**	**0.80**
123-91-1	1,4-Dioxane	0.040	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.040**	**0.49**
58-90-2	2,3,4,6-Tetrachlorophenol	0.040	U	**207-08-9**	**Benzo[k]fluoranthene**	**0.040**	**0.22**
95-95-4	2,4,5-Trichlorophenol	0.040	U	111-91-1	bis(2-Chloroethoxy)methan	0.040	U
88-06-2	2,4,6-Trichlorophenol	0.040	U	111-44-4	bis(2-Chloroethyl)ether	0.015	U
120-83-2	2,4-Dichlorophenol	0.040	U	108-60-1	bis(2-chloroisopropyl)ether	0.040	U
105-67-9	2,4-Dimethylphenol	0.040	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.040	U
51-28-5	2,4-Dinitrophenol	0.20	U	85-68-7	Butylbenzylphthalate	0.040	U
121-14-2	2,4-Dinitrotoluene	0.040	U	105-60-2	Caprolactam	0.040	U
606-20-2	2,6-Dinitrotoluene	0.040	U	86-74-8	Carbazole	0.040	U
91-58-7	2-Chloronaphthalene	0.040	U	**218-01-9**	**Chrysene**	**0.040**	**0.53**
95-57-8	2-Chlorophenol	0.040	U	**53-70-3**	**Dibenzo[a,h]anthracene**	**0.040**	**0.12**
91-57-6	2-Methylnaphthalene	0.040	U	132-64-9	Dibenzofuran	0.040	U
95-48-7	2-Methylphenol	0.040	U	84-66-2	Diethylphthalate	0.040	U
88-74-4	2-Nitroaniline	0.040	U	131-11-3	Dimethylphthalate	0.040	U
88-75-5	2-Nitrophenol	0.040	U	84-74-2	Di-n-butylphthalate	0.20	U
106-44-5	3&4-Methylphenol	0.040	U	117-84-0	Di-n-octylphthalate	0.040	U
91-94-1	3,3'-Dichlorobenzidine	0.040	U	**206-44-0**	**Fluoranthene**	**0.040**	**0.70**
99-09-2	3-Nitroaniline	0.040	U	86-73-7	Fluorene	0.040	U
534-52-1	4,6-Dinitro-2-methylphenol	0.20	U	118-74-1	Hexachlorobenzene	0.040	U
101-55-3	4-Bromophenyl-phenylether	0.040	U	87-68-3	Hexachlorobutadiene	0.040	U
59-50-7	4-Chloro-3-methylphenol	0.040	U	77-47-4	Hexachlorocyclopentadiene	0.20	U
106-47-8	4-Chloroaniline	0.040	U	67-72-1	Hexachloroethane	0.040	U
7005-72-3	4-Chlorophenyl-phenylether	0.040	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.040**	**0.51**
100-01-6	4-Nitroaniline	0.040	U	78-59-1	Isophorone	0.040	U
100-02-7	4-Nitrophenol	0.040	U	**91-20-3**	**Naphthalene**	**0.040**	**0.14**
83-32-9	Acenaphthene	0.040	U	98-95-3	Nitrobenzene	0.040	U
208-96-8	Acenaphthylene	0.040	U	621-64-7	N-Nitroso-di-n-propylamine	0.040	U
98-86-2	Acetophenone	0.040	U	86-30-6	n-Nitrosodiphenylamine	0.040	U
120-12-7	**Anthracene**	**0.040**	**0.086**	87-86-5	Pentachlorophenol	0.20	U
1912-24-9	Atrazine	0.040	U	**85-01-8**	**Phenanthrene**	**0.040**	**0.32**
100-52-7	Benzaldehyde	0.040	U	108-95-2	Phenol	0.040	U
56-55-3	**Benzo[a]anthracene**	**0.040**	**0.51**	**129-00-0**	**Pyrene**	**0.040**	**0.67**

Worksheet #: 765488

Total Target Concentration 5.6

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

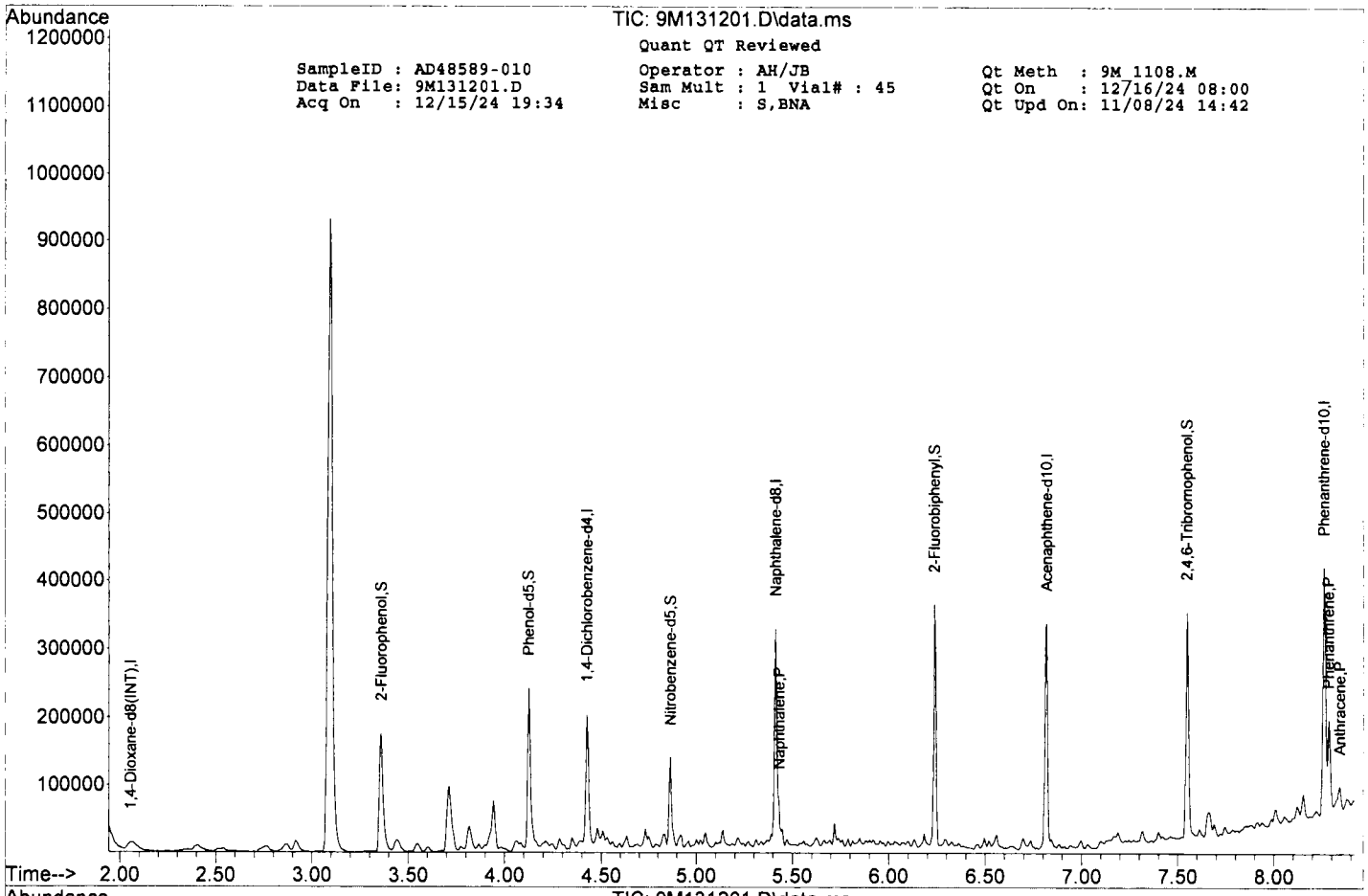
Quantitation Report (QT Reviewed)

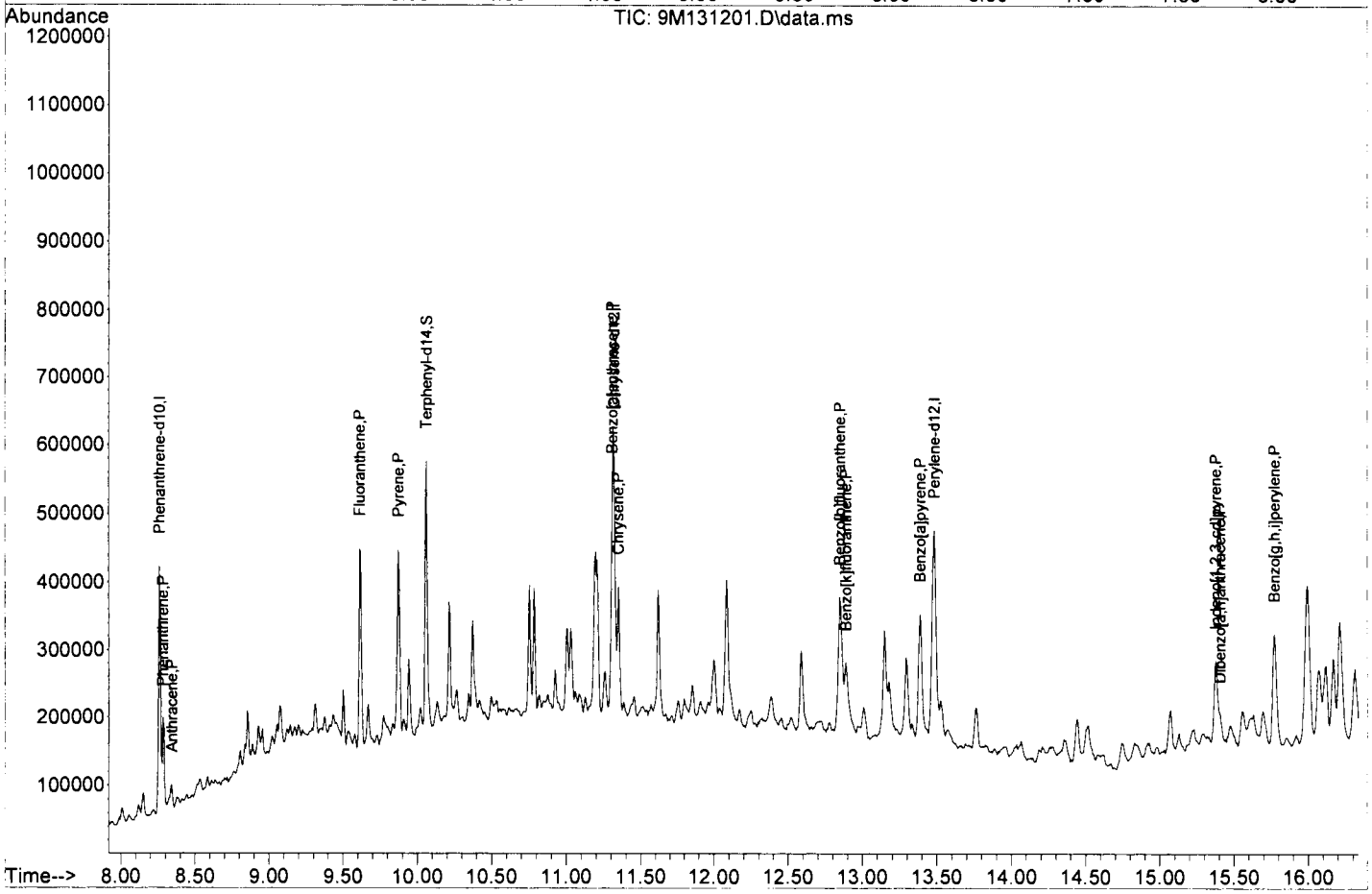
SampleID : AD48589-010 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131201.D Sam Mult : 1 Vial# : 45 Qt On : 12/16/24 08:00
Acq On : 12/15/24 19:34 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-15-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.055	96	16761	40.00	ng	-0.06
21) 1,4-Dichlorobenzene-d4	4.425	152	36999	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	132295	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	80009	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	146100	40.00	ng	-0.04
90) Chrysene-d12	11.319	240	128630	40.00	ng	-0.04
102) Perylene-d12	13.483	264	136655	40.00	ng	-0.05
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	78217	87.06	ng	-0.03
Spiked Amount 100.000			Recovery = 87.06%			
16) Phenol-d5	4.125	99	97889	82.95	ng	-0.03
Spiked Amount 100.000			Recovery = 82.95%			
32) Nitrobenzene-d5	4.866	128	22368	42.06	ng	-0.04
Spiked Amount 50.000			Recovery = 84.12%			
55) 2-Fluorobiphenyl	6.237	172	112750	45.06	ng	-0.04
Spiked Amount 50.000			Recovery = 90.12%			
79) 2,4,6-Tribromophenol	7.548	330	52278	141.30	ng	-0.04
Spiked Amount 100.000			Recovery = 141.30%			
93) Terphenyl-d14	10.060	244	144621	53.14	ng	-0.04
Spiked Amount 50.000			Recovery = 106.28%			
Target Compounds						Qvalue
41) Naphthalene	5.431	128	23159	7.0186	ng	98
85) Phenanthrene	8.284	178	57662	15.9979	ng	99
86) Anthracene	8.342	178	15437m	4.2603	ng	
89) Fluoranthene	9.613	202	134847	34.8610	ng	87
91) Pyrene	9.872	202	134002	33.1539	ng	84
99) Benzo[a]anthracene	11.307	228	96750m	25.5726	ng	
100) Chrysene	11.348	228	94533m	26.4675	ng	
104) Benzo[b]fluoranthene	12.848	252	155727m	39.6954	ng	
105) Benzo[k]fluoranthene	12.889	252	45651m	10.9779	ng	
106) Benzo[a]pyrene	13.389	252	101907	27.5931	ng	89
107) Indeno[1,2,3-cd]pyrene	15.377	276	83742m	25.2097	ng	
108) Dibenzo[a,h]anthracene	15.407	278	20194m	5.9837	ng	
109) Benzo[g,h,i]perylene	15.771	276	81095m	24.1998	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131201.D\data.ms
Quant QT Reviewed
SampleID : AD48589-010
Data File: 9M131201.D
Acq On : 12/15/24 19:34
Operator : AH/JB
Sam Mult : 1 Vial# : 45
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/16/24 08:00
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
Naphthalene,P
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Anthracene,P
Time-->


Abundance
TIC: 9M131201.D\data.ms
Phenanthrene-d10,I
Anthracene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene,P
Benzo[k]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48589-011(5X)
Client Id: SB-22-7.5-8.0'
Data File: 9M131210.D
Analysis Date: 12/15/24 22:46
Date Rec/Extracted: 12/09/24-12/14/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 5
Solids: 94

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.18	U	**50-32-8**	**Benzo[a]pyrene**	**0.18**	**0.30**
95-94-3	1,2,4,5-Tetrachlorobenzene	0.18	U	**205-99-2**	**Benzo[b]fluoranthene**	**0.18**	**0.38**
123-91-1	1,4-Dioxane	0.18	U	**191-24-2**	**Benzo[g,h,i]perylene**	**0.18**	**0.22**
58-90-2	2,3,4,6-Tetrachlorophenol	0.18	U	207-08-9	Benzo[k]fluoranthene	0.18	U
95-95-4	2,4,5-Trichlorophenol	0.18	U	111-91-1	bis(2-Chloroethoxy)methan	0.18	U
88-06-2	2,4,6-Trichlorophenol	0.18	U	111-44-4	bis(2-Chloroethyl)ether	0.068	U
120-83-2	2,4-Dichlorophenol	0.18	U	108-60-1	bis(2-chloroisopropyl)ether	0.18	U
105-67-9	2,4-Dimethylphenol	0.18	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.18	U
51-28-5	2,4-Dinitrophenol	0.89	U	85-68-7	Butylbenzylphthalate	0.18	U
121-14-2	2,4-Dinitrotoluene	0.18	U	105-60-2	Caprolactam	0.18	U
606-20-2	2,6-Dinitrotoluene	0.18	U	86-74-8	Carbazole	0.18	U
91-58-7	2-Chloronaphthalene	0.18	U	**218-01-9**	**Chrysene**	**0.18**	**0.28**
95-57-8	2-Chlorophenol	0.18	U	53-70-3	Dibenzo[a,h]anthracene	0.18	U
91-57-6	2-Methylnaphthalene	0.18	U	132-64-9	Dibenzofuran	0.18	U
95-48-7	2-Methylphenol	0.18	U	84-66-2	Diethylphthalate	0.18	U
88-74-4	2-Nitroaniline	0.18	U	131-11-3	Dimethylphthalate	0.18	U
88-75-5	2-Nitrophenol	0.18	U	84-74-2	Di-n-butylphthalate	0.89	U
106-44-5	3&4-Methylphenol	0.18	U	117-84-0	Di-n-octylphthalate	0.18	U
91-94-1	3,3'-Dichlorobenzidine	0.18	U	**206-44-0**	**Fluoranthene**	**0.18**	**0.59**
99-09-2	3-Nitroaniline	0.18	U	86-73-7	Fluorene	0.18	U
534-52-1	4,6-Dinitro-2-methylphenol	0.89	U	118-74-1	Hexachlorobenzene	0.18	U
101-55-3	4-Bromophenyl-phenylether	0.18	U	87-68-3	Hexachlorobutadiene	0.18	U
59-50-7	4-Chloro-3-methylphenol	0.18	U	77-47-4	Hexachlorocyclopentadiene	0.89	U
106-47-8	4-Chloroaniline	0.18	U	67-72-1	Hexachloroethane	0.18	U
7005-72-3	4-Chlorophenyl-phenylether	0.18	U	**193-39-5**	**Indeno[1,2,3-cd]pyrene**	**0.18**	**0.20**
100-01-6	4-Nitroaniline	0.18	U	78-59-1	Isophorone	0.18	U
100-02-7	4-Nitrophenol	0.18	U	91-20-3	Naphthalene	0.18	U
83-32-9	Acenaphthene	0.18	U	98-95-3	Nitrobenzene	0.18	U
208-96-8	Acenaphthylene	0.18	U	621-64-7	N-Nitroso-di-n-propylamine	0.18	U
98-86-2	Acetophenone	0.18	U	86-30-6	n-Nitrosodiphenylamine	0.18	U
120-12-7	Anthracene	0.18	U	87-86-5	Pentachlorophenol	0.89	U
1912-24-9	Atrazine	0.18	U	**85-01-8**	**Phenanthrene**	**0.18**	**0.32**
100-52-7	Benzaldehyde	0.18	U	108-95-2	Phenol	0.18	U
56-55-3	**Benzo[a]anthracene**	**0.18**	**0.30**	**129-00-0**	**Pyrene**	**0.18**	**0.53**

Worksheet #: 765488

Total Target Concentration 3.1

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

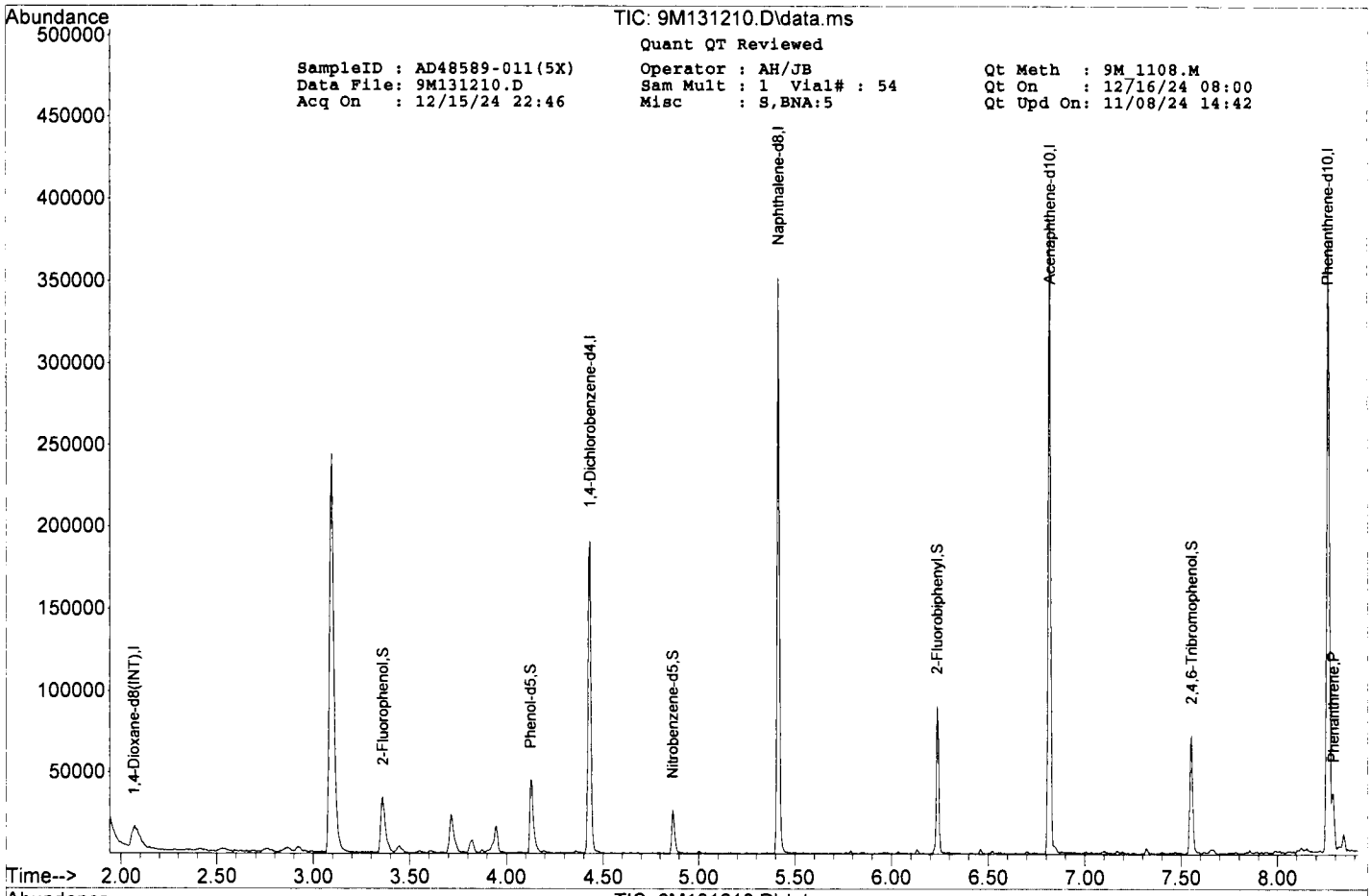
Quantitation Report (QT Reviewed)

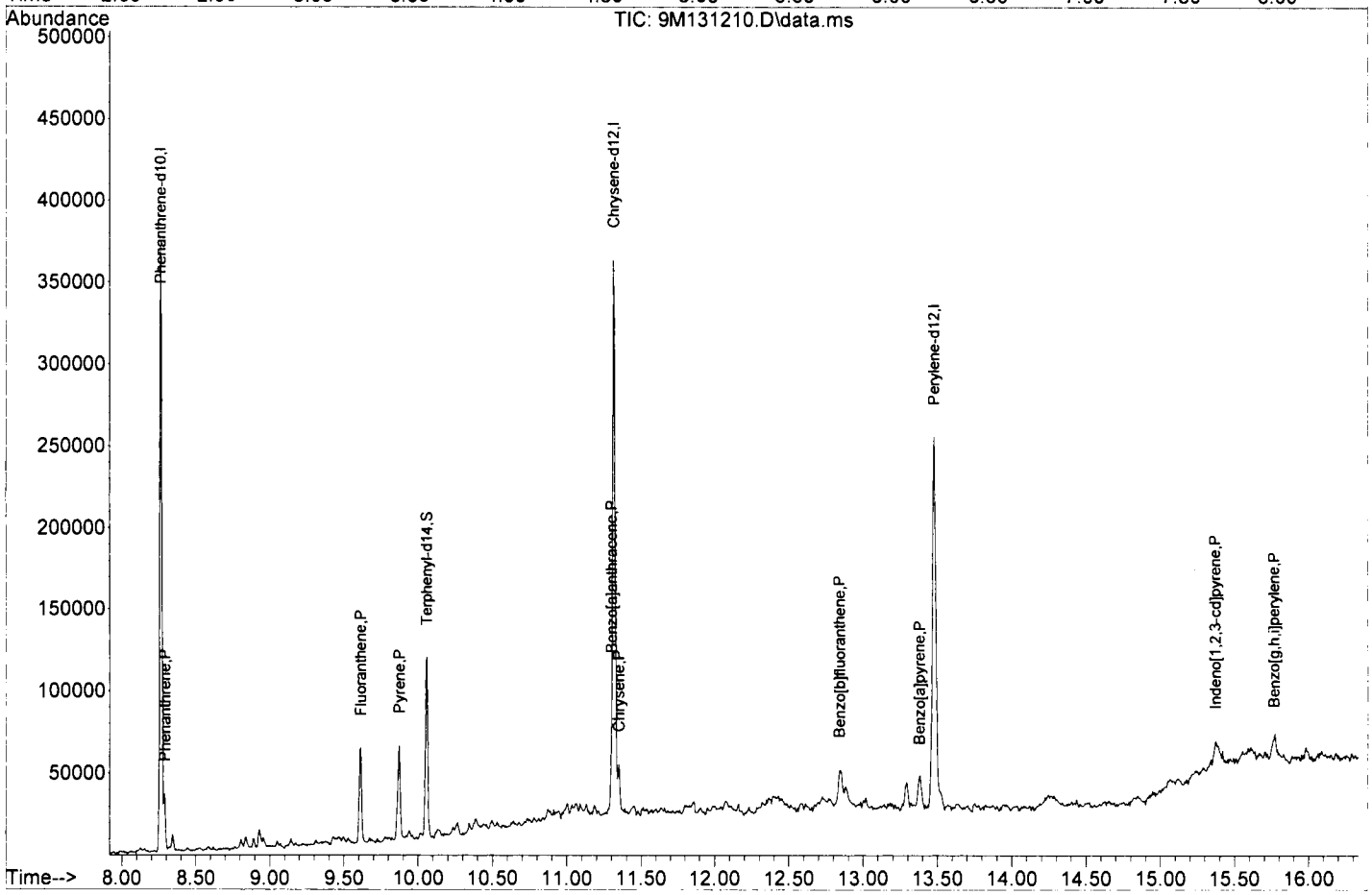
SampleID : AD48589-011(5X) Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131210.D Sam Mult : 1 Vial# : 54 Qt On : 12/16/24 08:00
Acq On : 12/15/24 22:46 Misc : S,BNA:5 Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-15-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.066	96	16982	40.00	ng	-0.05
21) 1,4-Dichlorobenzene-d4	4.431	152	39704	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	141600	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	87093	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	161921	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	143118	40.00	ng	-0.05
102) Perylene-d12	13.477	264	141727	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.360	112	19778	21.73	ng	-0.03
Spiked Amount 100.000			Recovery = 21.73%			
16) Phenol-d5	4.125	99	25231	21.10	ng	-0.03
Spiked Amount 100.000			Recovery = 21.10%			
32) Nitrobenzene-d5	4.866	128	5685	9.99	ng	-0.04
Spiked Amount 50.000			Recovery = 19.98%			
55) 2-Fluorobiphenyl	6.236	172	30218	11.09	ng	-0.04
Spiked Amount 50.000			Recovery = 22.18%			
79) 2,4,6-Tribromophenol	7.554	330	13297	32.43	ng	-0.04
Spiked Amount 100.000			Recovery = 32.43%			
93) Terphenyl-d14	10.060	244	41817	13.81	ng	-0.04
Spiked Amount 50.000			Recovery = 27.62%			
Target Compounds						Qvalue
85) Phenanthrene	8.289	178	14369	3.5971	ng	98
89) Fluoranthene	9.613	202	28686	6.6914	ng	86
91) Pyrene	9.872	202	26672	5.9310	ng	84
99) Benzo[a]anthracene	11.301	228	14382	3.4166	ng	93
100) Chrysene	11.348	228	12624	3.1767	ng	94
104) Benzo[b]fluoranthene	12.842	252	17269m	4.2444	ng	
106) Benzo[a]pyrene	13.377	252	12956m	3.3825	ng	
107) Indeno[1,2,3-cd]pyrene	15.371	276	7892m	2.2908	ng	
109) Benzo[g,h,i]perylene	15.765	276	8798m	2.5315	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 9M131210.D\data.ms
Quant QT Reviewed
SampleID : AD48589-011(5X)
Data File: 9M131210.D
Acq On : 12/15/24 22:46
Operator : AH/JB
Sam Mult : 1 Vial# : 54
Misc : S,BNA:5
Qt Meth : 9M_1108.M
Qt On : 12/16/24 08:00
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Phenanthrene,P
Time-->


Abundance
TIC: 9M131210.D\data.ms
Phenanthrene-d10,I
Phenanthrene,P
Fluoranthene,P
Pyrene,P
Terphenyl-d14,S
Chrysene-d12,I
Chrysene,P
Benzo[a]anthracene,P
Benzo[b]fluoranthene,P
Benzo[a]pyrene,P
Perylene-d12,I
Indeno[1,2,3-cd]pyrene,P
Benzo[g,h,i]perylene,P
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48589-016
Client Id: TWP-10 U
Data File: 10M104525.D
Analysis Date: 12/11/24 17:57
Date Rec/Extracted: 12/09/24-12/11/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 0.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	2.0	U	50-32-8	Benzo[a]pyrene	2.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2.0	U	205-99-2	Benzo[b]fluoranthene	2.0	U
123-91-1	1,4-Dioxane	0.50	U	191-24-2	Benzo[g,h,i]perylene	2.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	2.0	U	207-08-9	Benzo[k]fluoranthene	2.0	U
95-95-4	2,4,5-Trichlorophenol	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	2.0	U
88-06-2	2,4,6-Trichlorophenol	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.50	U
120-83-2	2,4-Dichlorophenol	0.50	U	108-60-1	bis(2-chloroisopropyl)ether	2.0	U
105-67-9	2,4-Dimethylphenol	1.2	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.0	U
51-28-5	2,4-Dinitrophenol	10	U	85-68-7	Butylbenzylphthalate	2.0	U
121-14-2	2,4-Dinitrotoluene	2.0	U	105-60-2	Caprolactam	2.0	U
606-20-2	2,6-Dinitrotoluene	2.0	U	86-74-8	Carbazole	2.0	U
91-58-7	2-Chloronaphthalene	2.0	U	218-01-9	Chrysene	2.0	U
95-57-8	2-Chlorophenol	2.0	U	53-70-3	Dibenzo[a,h]anthracene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U	132-64-9	Dibenzofuran	2.0	U
95-48-7	2-Methylphenol	0.59	U	84-66-2	Diethylphthalate	2.0	U
88-74-4	2-Nitroaniline	2.0	U	131-11-3	Dimethylphthalate	2.0	U
88-75-5	2-Nitrophenol	2.0	U	84-74-2	Di-n-butylphthalate	2.0	U
106-44-5	3&4-Methylphenol	0.54	U	117-84-0	Di-n-octylphthalate	2.0	U
91-94-1	3,3'-Dichlorobenzidine	2.0	U	206-44-0	Fluoranthene	2.0	U
99-09-2	3-Nitroaniline	2.0	U	86-73-7	Fluorene	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U	118-74-1	Hexachlorobenzene	2.0	U
101-55-3	4-Bromophenyl-phenylether	2.0	U	87-68-3	Hexachlorobutadiene	2.0	U
59-50-7	4-Chloro-3-methylphenol	2.0	U	77-47-4	Hexachlorocyclopentadiene	6.4	U
106-47-8	4-Chloroaniline	2.0	U	67-72-1	Hexachloroethane	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U
100-01-6	4-Nitroaniline	2.0	U	78-59-1	Isophorone	2.0	U
100-02-7	4-Nitrophenol	2.0	U	**91-20-3**	**Naphthalene**	**2.0**	**9.5**
83-32-9	Acenaphthene	2.0	U	98-95-3	Nitrobenzene	2.0	U
208-96-8	Acenaphthylene	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.50	U
98-86-2	Acetophenone	2.0	U	86-30-6	n-Nitrosodiphenylamine	2.0	U
120-12-7	Anthracene	2.0	U	87-86-5	Pentachlorophenol	10	U
1912-24-9	Atrazine	2.0	U	85-01-8	Phenanthrene	2.0	U
100-52-7	Benzaldehyde	2.0	U	108-95-2	Phenol	2.0	U
56-55-3	Benzo[a]anthracene	2.0	U	129-00-0	Pyrene	2.0	U

Worksheet #: 765488

Total Target Concentration 9.5

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

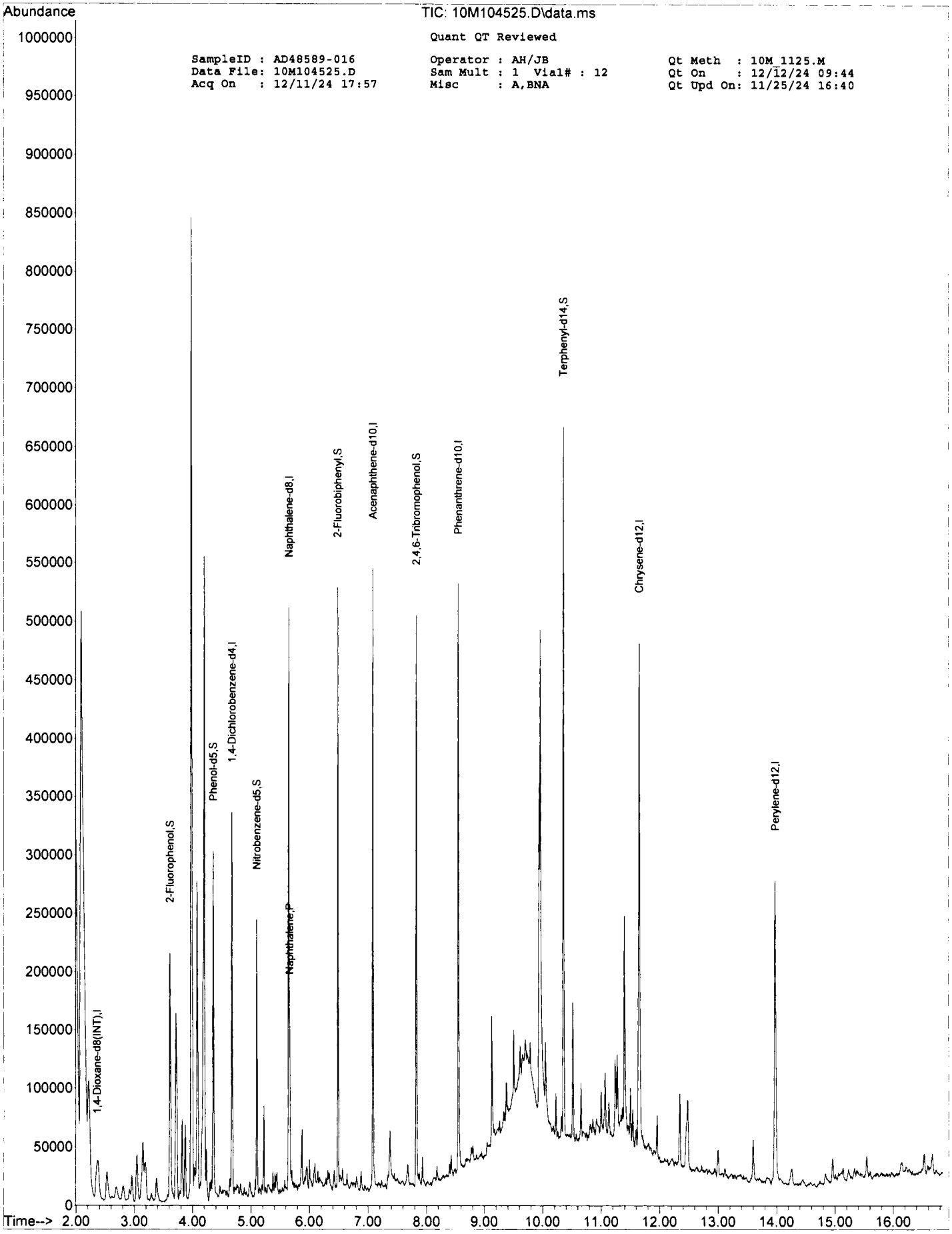
Quantitation Report (QT Reviewed)

SampleID : AD48589-016 Operator : AH/JB Qt Meth : 10M_1125.M
Data File: 10M104525.D Sam Mult : 1 Vial# : 12 Qt On : 12/12/24 09:44
Acq On : 12/11/24 17:57 Misc : A,BNA Qt Upd On: 11/25/24 16:40

Data Path : G:\GcMsData\2024\GCMS_10\Data\12-11-24\
Qt Path : G:\GCMSDATA\2024\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.356	96	25852	40.00	ng	0.01
21) 1,4-Dichlorobenzene-d4	4.672	152	54238	40.00	ng	0.00
31) Naphthalene-d8	5.651	136	200075	40.00	ng	0.00
50) Acenaphthene-d10	7.084	164	113130	40.00	ng	0.00
76) Phenanthrene-d10	8.555	188	201175	40.00	ng	0.00
90) Chrysene-d12	11.657	240	175916	40.00	ng	0.00
102) Perylene-d12	13.979	264	167512	40.00	ng	0.00
System Monitoring Compounds						
11) 2-Fluorophenol	3.613	112	94250	62.57	ng	0.00
Spiked Amount 100.000			Recovery = 62.57%			
16) Phenol-d5	4.356	99	105926	56.66	ng	0.00
Spiked Amount 100.000			Recovery = 56.66%			
32) Nitrobenzene-d5	5.100	128	31530	40.28	ng	0.00
Spiked Amount 50.000			Recovery = 80.56%			
55) 2-Fluorobiphenyl	6.485	172	163070	44.11	ng	0.00
Spiked Amount 50.000			Recovery = 88.22%			
79) 2,4,6-Tribromophenol	7.828	330	57291	100.81	ng	0.00
Spiked Amount 100.000			Recovery = 100.81%			
93) Terphenyl-d14	10.357	244	190221	50.05	ng	0.00
Spiked Amount 50.000			Recovery = 100.10%			
Target Compounds						Qvalue
41) Naphthalene	5.667	128	49724	9.4909	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 10M104525.D\data.ms
Quant QT Reviewed
SampleID : AD48589-016
Data File: 10M104525.D
Acq On : 12/11/24 17:57
Operator : AH/JB
Sam Mult : 1 Vial# : 12
Misc : A,BNA
Qt Meth : 10M_1125.M
Qt On : 12/12/24 09:44
Qt Upd On: 11/25/24 16:40
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
Naphthalene,P
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48589-018
Client Id: TWP-12 U
Data File: 7M140292.D
Analysis Date: 12/11/24 18:57
Date Rec/Extracted: 12/09/24-12/11/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Aqueous
Initial Vol: 1050ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	1.9	U	50-32-8	Benzo[a]pyrene	1.9	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1.9	U	205-99-2	Benzo[b]fluoranthene	1.9	U
123-91-1	1,4-Dioxane	0.48	U	191-24-2	Benzo[g,h,i]perylene	1.9	U
58-90-2	2,3,4,6-Tetrachlorophenol	1.9	U	207-08-9	Benzo[k]fluoranthene	1.9	U
95-95-4	2,4,5-Trichlorophenol	1.9	U	111-91-1	bis(2-Chloroethoxy)methan	1.9	U
88-06-2	2,4,6-Trichlorophenol	1.9	U	111-44-4	bis(2-Chloroethyl)ether	0.48	U
120-83-2	2,4-Dichlorophenol	0.48	U	108-60-1	bis(2-chloroisopropyl)ether	1.9	U
105-67-9	2,4-Dimethylphenol	1.2	U	117-81-7	bis(2-Ethylhexyl)phthalate	1.9	U
51-28-5	2,4-Dinitrophenol	9.5	U	85-68-7	Butylbenzylphthalate	1.9	U
121-14-2	2,4-Dinitrotoluene	1.9	U	105-60-2	Caprolactam	1.9	U
606-20-2	2,6-Dinitrotoluene	1.9	U	86-74-8	Carbazole	1.9	U
91-58-7	2-Chloronaphthalene	1.9	U	218-01-9	Chrysene	1.9	U
95-57-8	2-Chlorophenol	1.9	U	53-70-3	Dibenzo[a,h]anthracene	1.9	U
91-57-6	2-Methylnaphthalene	1.9	U	132-64-9	Dibenzofuran	1.9	U
95-48-7	2-Methylphenol	0.56	U	84-66-2	Diethylphthalate	1.9	U
88-74-4	2-Nitroaniline	1.9	U	131-11-3	Dimethylphthalate	1.9	U
88-75-5	2-Nitrophenol	1.9	U	84-74-2	Di-n-butylphthalate	1.9	U
106-44-5	3&4-Methylphenol	0.52	U	117-84-0	Di-n-octylphthalate	1.9	U
91-94-1	3,3'-Dichlorobenzidine	1.9	U	206-44-0	Fluoranthene	1.9	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	1.9	U
534-52-1	4,6-Dinitro-2-methylphenol	9.5	U	118-74-1	Hexachlorobenzene	1.9	U
101-55-3	4-Bromophenyl-phenylether	1.9	U	87-68-3	Hexachlorobutadiene	1.9	U
59-50-7	4-Chloro-3-methylphenol	1.9	U	77-47-4	Hexachlorocyclopentadiene	6.1	U
106-47-8	4-Chloroaniline	1.9	U	67-72-1	Hexachloroethane	1.9	U
7005-72-3	4-Chlorophenyl-phenylether	1.9	U	193-39-5	Indeno[1,2,3-cd]pyrene	1.9	U
100-01-6	4-Nitroaniline	1.9	U	78-59-1	Isophorone	1.9	U
100-02-7	4-Nitrophenol	1.9	U	91-20-3	Naphthalene	1.9	U
83-32-9	Acenaphthene	1.9	U	98-95-3	Nitrobenzene	1.9	U
208-96-8	Acenaphthylene	1.9	U	621-64-7	N-Nitroso-di-n-propylamine	0.48	U
98-86-2	Acetophenone	1.9	U	86-30-6	n-Nitrosodiphenylamine	1.9	U
120-12-7	Anthracene	1.9	U	87-86-5	Pentachlorophenol	9.5	U
1912-24-9	Atrazine	1.9	U	85-01-8	Phenanthrene	1.9	U
100-52-7	Benzaldehyde	1.9	U	108-95-2	Phenol	1.9	U
56-55-3	Benzo[a]anthracene	1.9	U	129-00-0	Pyrene	1.9	U

Worksheet #: 765488

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

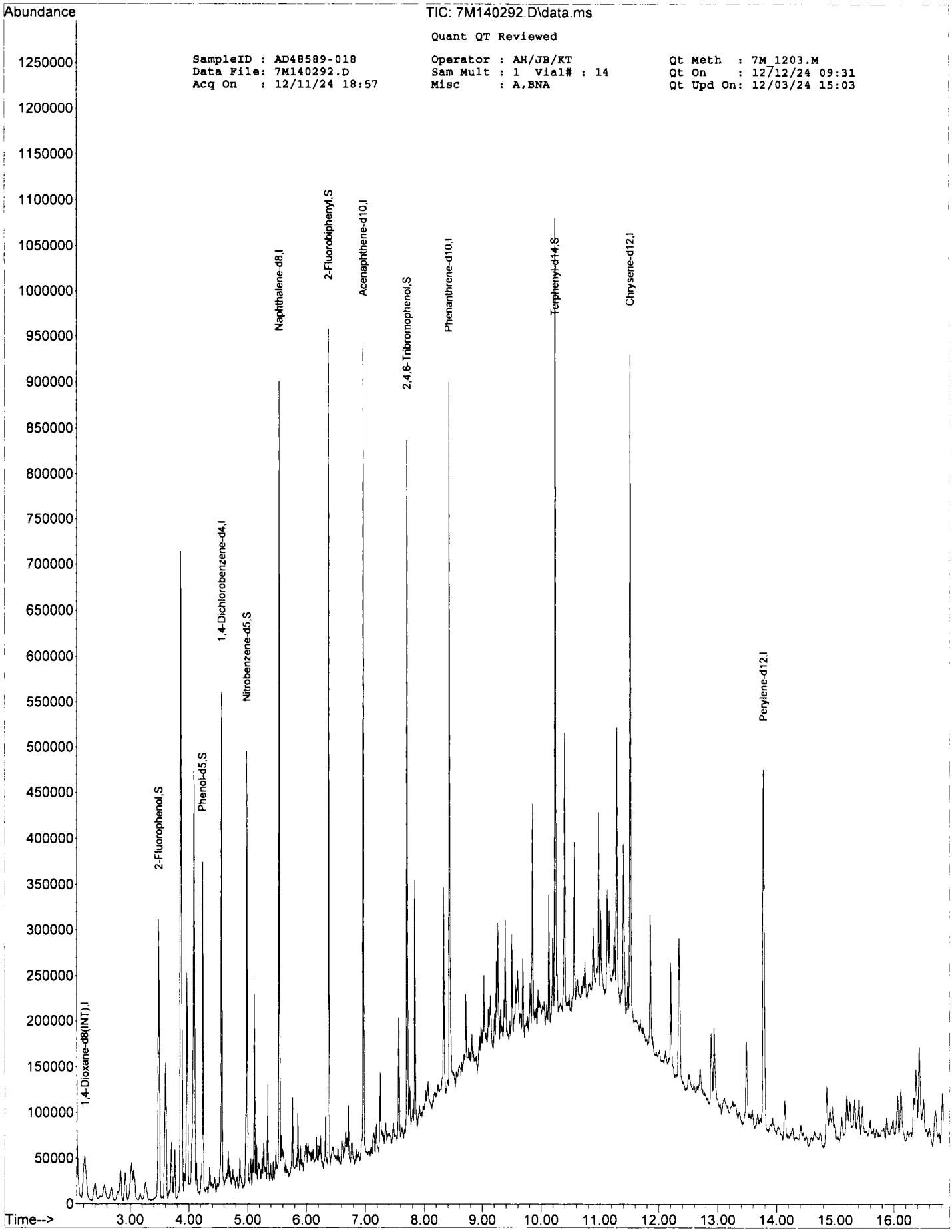
Quantitation Report (QT Reviewed)

SampleID : AD48589-018 Operator : AH/JB/KT Qt Meth : 7M_1203.M
Data File: 7M140292.D Sam Mult : 1 Vial# : 14 Qt On : 12/12/24 09:31
Acq On : 12/11/24 18:57 Misc : A,BNA Qt Upd On: 12/03/24 15:03

Data Path : G:\GcMsData\2024\GCMS_7\Data\12-11-24\
Qt Path : G:\GCMSDATA\2024\GCMS_7\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.222	96	48177	40.00	ng	0.04
21) 1,4-Dichlorobenzene-d4	4.561	152	84975	40.00	ng	0.00
31) Naphthalene-d8	5.542	136	331659	40.00	ng	0.00
50) Acenaphthene-d10	6.970	164	181058	40.00	ng	0.00
76) Phenanthrene-d10	8.433	188	299595	40.00	ng	0.00
90) Chrysene-d12	11.523	240	240233	40.00	ng	0.00
102) Perylene-d12	13.785	264	238085	40.00	ng	0.00
System Monitoring Compounds						
11) 2-Fluorophenol	3.486	112	151071	54.96	ng	0.01
Spiked Amount 100.000			Recovery = 54.96%			
16) Phenol-d5	4.238	99	133435m	42.59	ng	0.00
Spiked Amount 100.000			Recovery = 42.59%			
32) Nitrobenzene-d5	4.990	128	63757	48.66	ng	0.00
Spiked Amount 50.000			Recovery = 97.32%			
55) 2-Fluorobiphenyl	6.382	172	278335	50.10	ng	0.00
Spiked Amount 50.000			Recovery = 100.20%			
79) 2,4,6-Tribromophenol	7.710	330	77639	110.57	ng	0.00
Spiked Amount 100.000			Recovery = 110.57%			
93) Terphenyl-d14	10.242	244	304078	50.98	ng	0.00
Spiked Amount 50.000			Recovery = 101.96%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 7M140292.D\data.ms
Quant QT Reviewed
SampleID : AD48589-018
Data File: 7M140292.D
Acq On : 12/11/24 18:57
Operator : AH/JB/KT
Sam Mult : 1 Vial# : 14
Misc : A,BNA
Qt Meth : 7M_1203.M
Qt On : 12/12/24 09:31
Qt Upd On: 12/03/24 15:03
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: AD48589-020
Client Id: TWP-21-U
Data File: 7M140294.D
Analysis Date: 12/11/24 19:41
Date Rec/Extracted: 12/09/24-12/11/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Aqueous
Initial Vol: 1050ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	1.9	U	50-32-8	Benzo[a]pyrene	1.9	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1.9	U	205-99-2	Benzo[b]fluoranthene	1.9	U
123-91-1	1,4-Dioxane	0.48	U	191-24-2	Benzo[g,h,i]perylene	1.9	U
58-90-2	2,3,4,6-Tetrachlorophenol	1.9	U	207-08-9	Benzo[k]fluoranthene	1.9	U
95-95-4	2,4,5-Trichlorophenol	1.9	U	111-91-1	bis(2-Chloroethoxy)methan	1.9	U
88-06-2	2,4,6-Trichlorophenol	1.9	U	111-44-4	bis(2-Chloroethyl)ether	0.48	U
120-83-2	2,4-Dichlorophenol	0.48	U	108-60-1	bis(2-chloroisopropyl)ether	1.9	U
105-67-9	2,4-Dimethylphenol	1.2	U	117-81-7	bis(2-Ethylhexyl)phthalate	1.9	U
51-28-5	2,4-Dinitrophenol	9.5	U	85-68-7	Butylbenzylphthalate	1.9	U
121-14-2	2,4-Dinitrotoluene	1.9	U	105-60-2	Caprolactam	1.9	U
606-20-2	2,6-Dinitrotoluene	1.9	U	86-74-8	Carbazole	1.9	U
91-58-7	2-Chloronaphthalene	1.9	U	218-01-9	Chrysene	1.9	U
95-57-8	2-Chlorophenol	1.9	U	53-70-3	Dibenzo[a,h]anthracene	1.9	U
91-57-6	2-Methylnaphthalene	1.9	U	132-64-9	Dibenzofuran	1.9	U
95-48-7	2-Methylphenol	0.56	U	84-66-2	Diethylphthalate	1.9	U
88-74-4	2-Nitroaniline	1.9	U	131-11-3	Dimethylphthalate	1.9	U
88-75-5	2-Nitrophenol	1.9	U	84-74-2	Di-n-butylphthalate	1.9	U
106-44-5	3&4-Methylphenol	0.52	U	117-84-0	Di-n-octylphthalate	1.9	U
91-94-1	3,3'-Dichlorobenzidine	1.9	U	206-44-0	Fluoranthene	1.9	U
99-09-2	3-Nitroaniline	1.9	U	86-73-7	Fluorene	1.9	U
534-52-1	4,6-Dinitro-2-methylphenol	9.5	U	118-74-1	Hexachlorobenzene	1.9	U
101-55-3	4-Bromophenyl-phenylether	1.9	U	87-68-3	Hexachlorobutadiene	1.9	U
59-50-7	4-Chloro-3-methylphenol	1.9	U	77-47-4	Hexachlorocyclopentadiene	6.1	U
106-47-8	4-Chloroaniline	1.9	U	67-72-1	Hexachloroethane	1.9	U
7005-72-3	4-Chlorophenyl-phenylether	1.9	U	193-39-5	Indeno[1,2,3-cd]pyrene	1.9	U
100-01-6	4-Nitroaniline	1.9	U	78-59-1	Isophorone	1.9	U
100-02-7	4-Nitrophenol	1.9	U	91-20-3	Naphthalene	1.9	U
83-32-9	Acenaphthene	1.9	U	98-95-3	Nitrobenzene	1.9	U
208-96-8	Acenaphthylene	1.9	U	621-64-7	N-Nitroso-di-n-propylamine	0.48	U
98-86-2	Acetophenone	1.9	U	86-30-6	n-Nitrosodiphenylamine	1.9	U
120-12-7	Anthracene	1.9	U	87-86-5	Pentachlorophenol	9.5	U
1912-24-9	Atrazine	1.9	U	85-01-8	Phenanthrene	1.9	U
100-52-7	Benzaldehyde	1.9	U	108-95-2	Phenol	1.9	U
56-55-3	Benzo[a]anthracene	1.9	U	129-00-0	Pyrene	1.9	U

Worksheet #: 765488

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

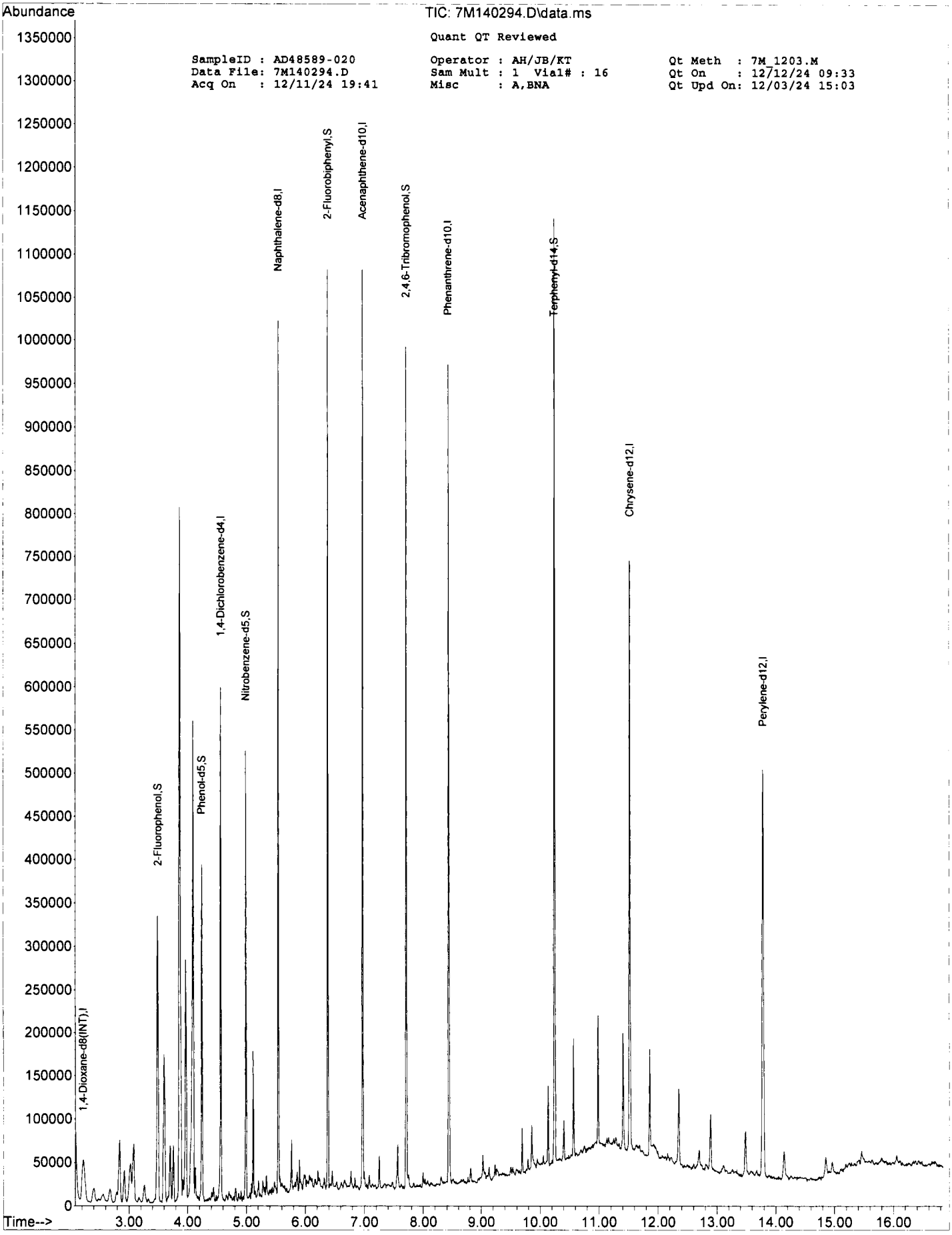
Quantitation Report (QT Reviewed)

SampleID : AD48589-020 Operator : AH/JB/KT Qt Meth : 7M_1203.M
Data File: 7M140294.D Sam Mult : 1 Vial# : 16 Qt On : 12/12/24 09:33
Acq On : 12/11/24 19:41 Misc : A,BNA Qt Upd On: 12/03/24 15:03

Data Path : G:\GcMsData\2024\GCMS_7\Data\12-11-24\
Qt Path : G:\GCMSDATA\2024\GCMS_7\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.216	96	49426	40.00	ng	0.03
21) 1,4-Dichlorobenzene-d4	4.561	152	93004	40.00	ng	0.00
31) Naphthalene-d8	5.542	136	371932	40.00	ng	0.00
50) Acenaphthene-d10	6.970	164	206210	40.00	ng	0.00
76) Phenanthrene-d10	8.433	188	367896	40.00	ng	0.00
90) Chrysene-d12	11.523	240	280429	40.00	ng	0.00
102) Perylene-d12	13.785	264	265829	40.00	ng	0.00
System Monitoring Compounds						
11) 2-Fluorophenol	3.491	112	168757	59.85	ng	0.02
Spiked Amount 100.000			Recovery = 59.85%			
16) Phenol-d5	4.238	99	146122	45.46	ng	0.00
Spiked Amount 100.000			Recovery = 45.46%			
32) Nitrobenzene-d5	4.990	128	69836	47.53	ng	0.00
Spiked Amount 50.000			Recovery = 95.06%			
55) 2-Fluorobiphenyl	6.382	172	301562	47.66	ng	0.00
Spiked Amount 50.000			Recovery = 95.32%			
79) 2,4,6-Tribromophenol	7.710	330	93696	108.66	ng	0.00
Spiked Amount 100.000			Recovery = 108.66%			
93) Terphenyl-d14	10.242	244	356930	51.26	ng	0.00
Spiked Amount 50.000			Recovery = 102.52%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 7M140294.D\data.ms
Quant QT Reviewed
SampleID : AD48589-020
Data File: 7M140294.D
Acq On : 12/11/24 19:41
Operator : AH/JB/KT
Sam Mult : 1 Vial# : 16
Misc : A,BNA
Qt Meth : 7M_1203.M
Qt On : 12/12/24 09:33
Qt Upd On: 12/03/24 15:03
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS PCB REPORT

Sample Number: AD48589-001
Client Id: SB-07-9.5-10.0'
Data File: 2G198444.D
Analysis Date: 12/16/24 06:26
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 69

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.036	U	11097-69-1	Aroclor-1254	0.036	U
11104-28-2	Aroclor-1221	0.036	U	11096-82-5	Aroclor-1260	0.036	U
11141-16-5	Aroclor-1232	0.036	U	37324-23-5	Aroclor-1262	0.036	U
53469-21-9	Aroclor-1242	0.036	U	11100-14-4	Aroclor-1268	0.036	U
12672-29-6	Aroclor-1248	0.036	U	1336-36-3	Aroclor (Total)	0.036	U

Worksheet #: 765543

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198444.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 06:26
Operator : AH/PR/KM
Sample : AD48589-001 (Sig #1); AD48689-001 (Sig #2)
Misc : S,PCB
ALS Vial : 77 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 17:19:06 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

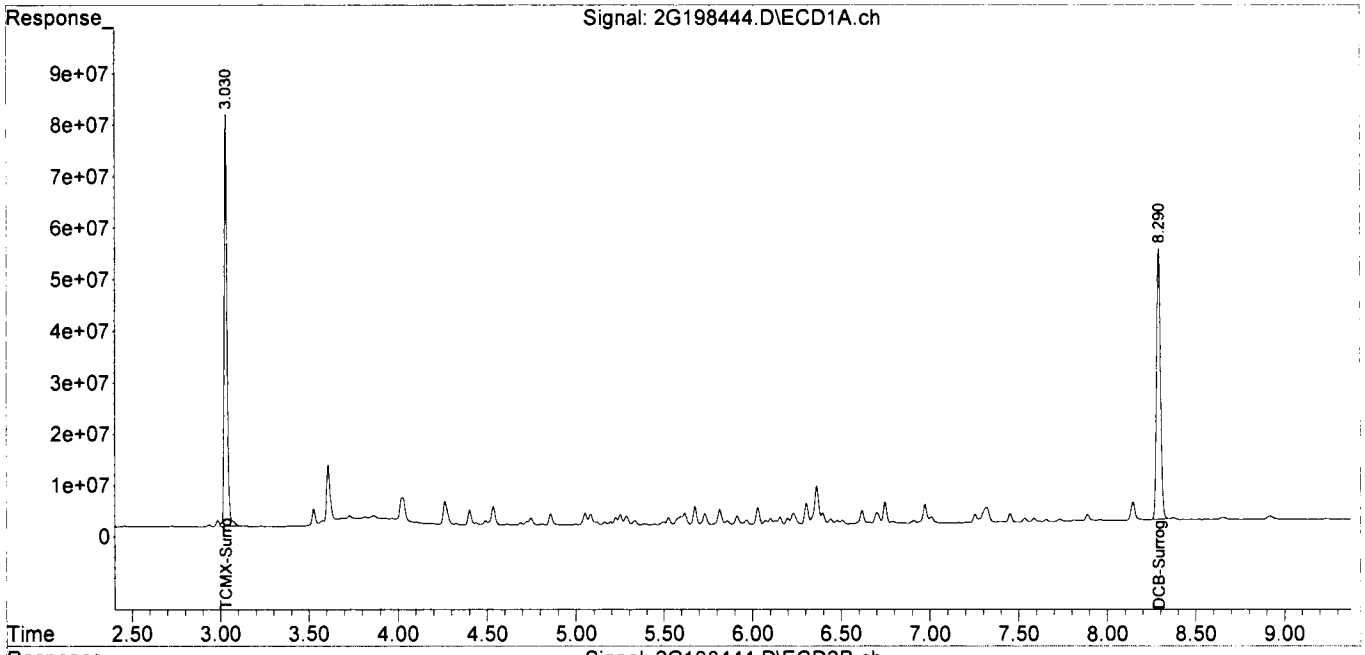
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.030	3.237	897.3E6	1253.3E6	99.043	95.446
45)	DCB-Surrogate	8.290	9.108	818.7E6	1132.2E6	113.684	116.116

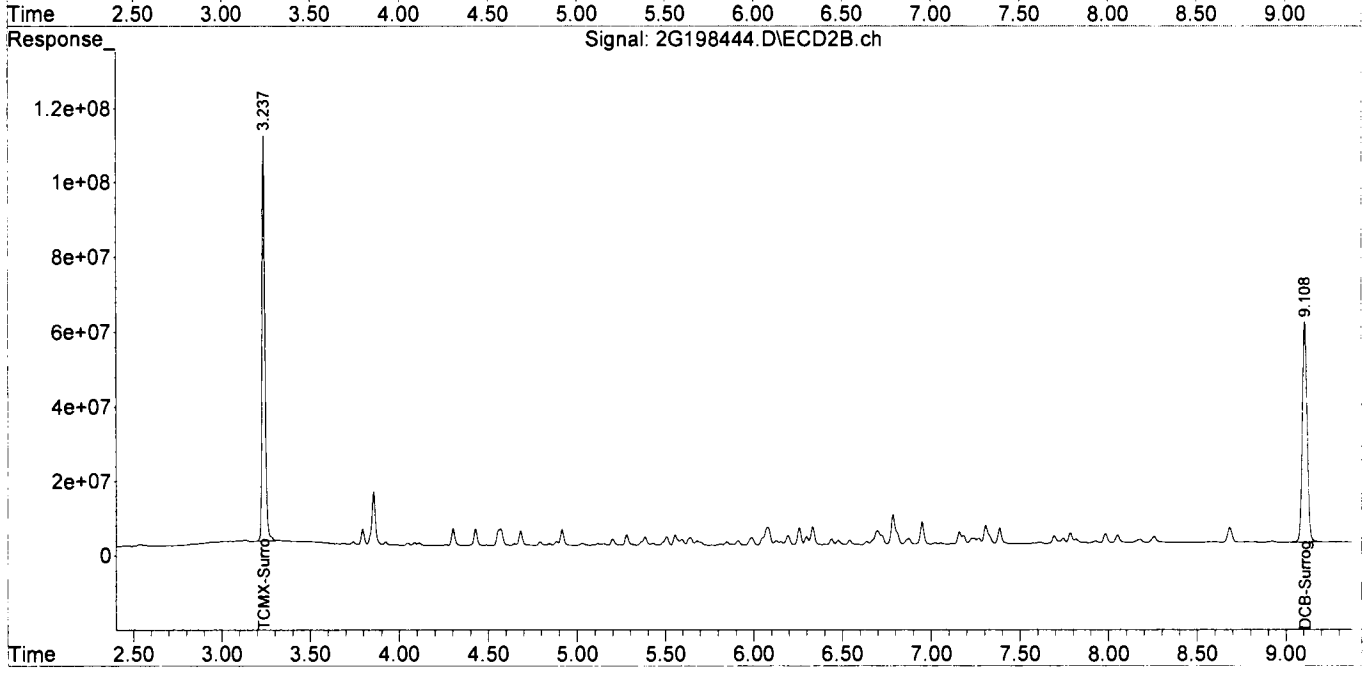
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198444.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 06:26
Operator : AH/PR/KM
Sample : AD48589-001 (Sig #1); AD48689-001 (Sig #2)
Misc : S,PCB
ALS Vial : 77 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 17:19:06 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48589-002
Client Id: SB-09-9.5-10.0'
Data File: 2G198455.D
Analysis Date: 12/16/24 10:03
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.029	U	11097-69-1	Aroclor-1254	0.029	U
11104-28-2	Aroclor-1221	0.029	U	11096-82-5	Aroclor-1260	0.029	U
11141-16-5	Aroclor-1232	0.029	U	37324-23-5	Aroclor-1262	0.029	U
53469-21-9	Aroclor-1242	0.029	U	11100-14-4	Aroclor-1268	0.029	U
12672-29-6	Aroclor-1248	0.029	U	1336-36-3	Aroclor (Total)	0.029	U

Worksheet #: 765543

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-16-24\
Data File : 2G198455.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 10:03
Operator : AH/PR/KM
Sample : AD48589-002
Misc : S,PCB
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 17:19:30 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

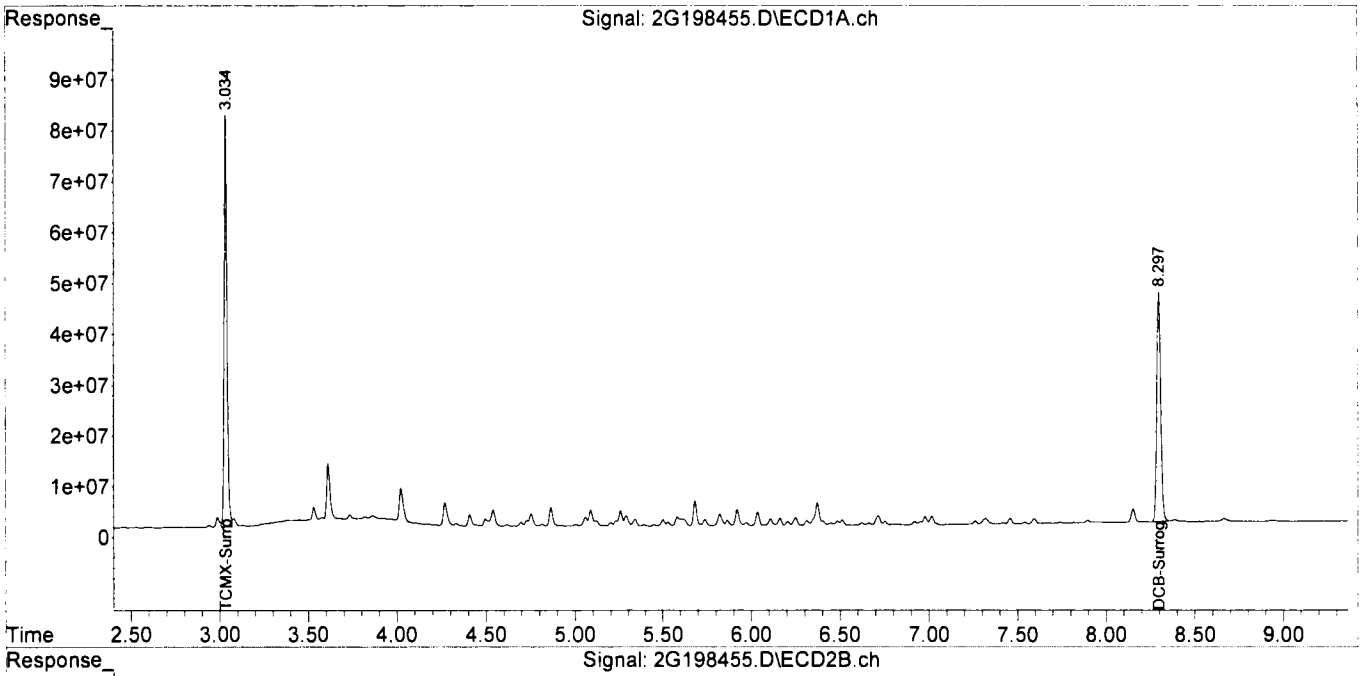
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.034	3.238	913.7E6	1322.1E6	100.851m	100.694
45)	DCB-Surrogate	8.298	9.113	707.1E6	966.6E6	98.181	99.128

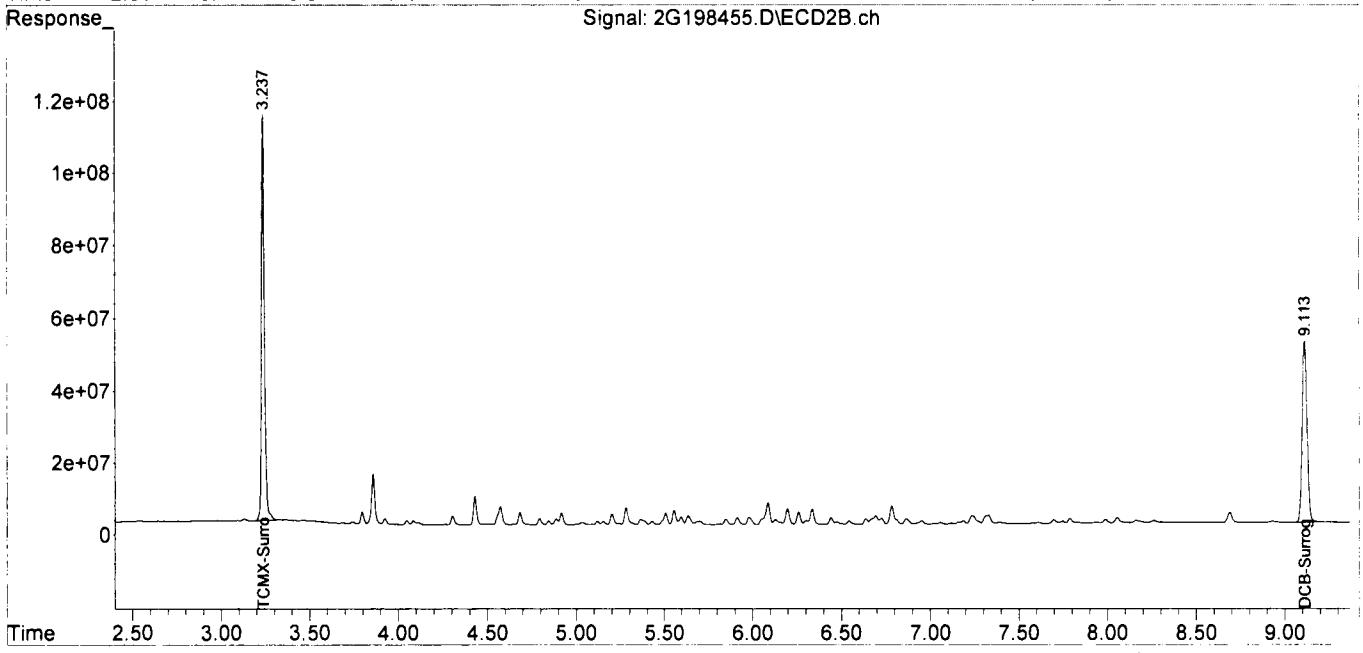
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-16-24\
Data File : 2G198455.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 10:03
Operator : AH/PR/KM
Sample : AD48589-002
Misc : S,PCB
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 17:19:30 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48589-003
Client Id: SB-12-9.5-10.0'
Data File: 2G198456.D
Analysis Date: 12/16/24 10:15
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 81

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.031	U	11097-69-1	Aroclor-1254	0.031	U
11104-28-2	Aroclor-1221	0.031	U	11096-82-5	Aroclor-1260	0.031	U
11141-16-5	Aroclor-1232	0.031	U	37324-23-5	Aroclor-1262	0.031	U
53469-21-9	Aroclor-1242	0.031	U	11100-14-4	Aroclor-1268	0.031	U
12672-29-6	Aroclor-1248	0.031	U	1336-36-3	Aroclor (Total)	0.031	U

Worksheet #: 765543

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-16-24\
Data File : 2G198456.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 10:15
Operator : AH/PR/KM
Sample : AD48589-003
Misc : S,PCB
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 13:13:10 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

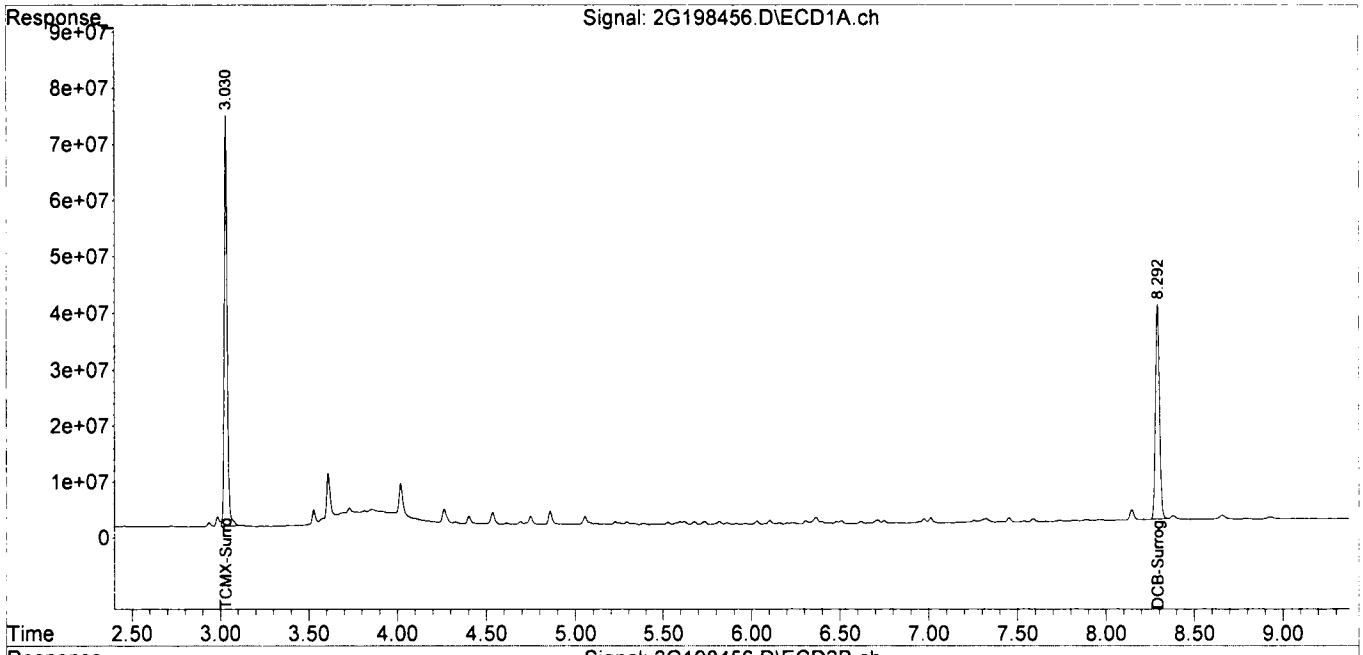
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.031	3.238	852.2E6	1213.6E6	94.067	92.427
45)	DCB-Surrogate	8.292	9.109	612.3E6	842.8E6	85.021	86.435

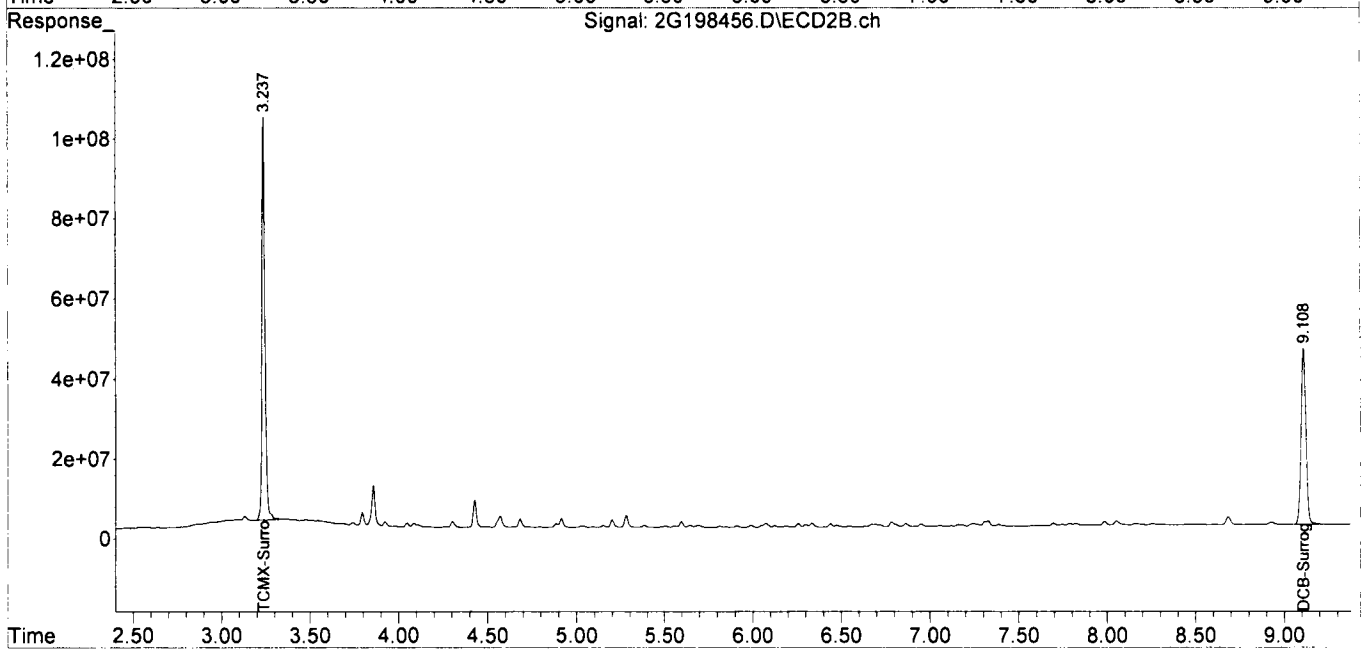
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-16-24\
Data File : 2G198456.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 10:15
Operator : AH/PR/KM
Sample : AD48589-003
Misc : S,PCB
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 13:13:10 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48589-004
Client Id: SB-13-9.5-10.0'
Data File: 2G198457.D
Analysis Date: 12/16/24 10:27
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.029	U	11097-69-1	Aroclor-1254	0.029	U
11104-28-2	Aroclor-1221	0.029	U	**11096-82-5**	**(^)Aroclor-1260**	**0.029**	**0.055**
11141-16-5	Aroclor-1232	0.029	U	37324-23-5	Aroclor-1262	0.029	U
53469-21-9	Aroclor-1242	0.029	U	11100-14-4	Aroclor-1268	0.029	U
12672-29-6	Aroclor-1248	0.029	U	**1336-36-3**	**Aroclor (Total)**	**0.029**	**0.055**

Worksheet #: 765543

Total Target Concentration 0.055

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-16-24\
Data File : 2G198457.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 10:27
Operator : AH/PR/KM
Sample : AD48589-004
Misc : S,PCB
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 13:14:38 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

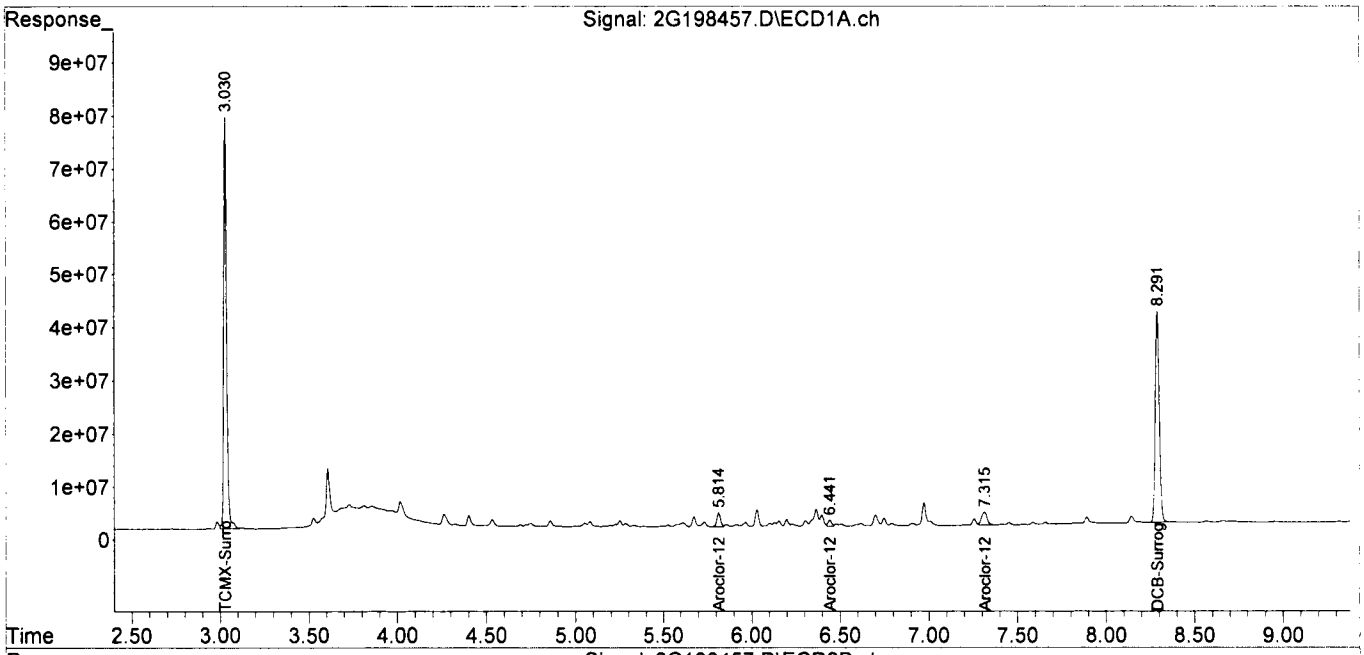
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.030	3.237	895.4E6	1264.6E6	98.834	96.308
7)	Aroclor-1260 {1}	5.814	6.256	37539327	59632151	94.940m	97.652
9)	Aroclor-1260 {3}	6.441	7.183	16305968	36894184	85.769m	87.283
11)	Aroclor-1260 {5}	7.315	8.257	52884864	30503203	99.389	99.519
45)	DCB-Surrogate	8.291	9.108	627.4E6	869.3E6	87.121	89.153

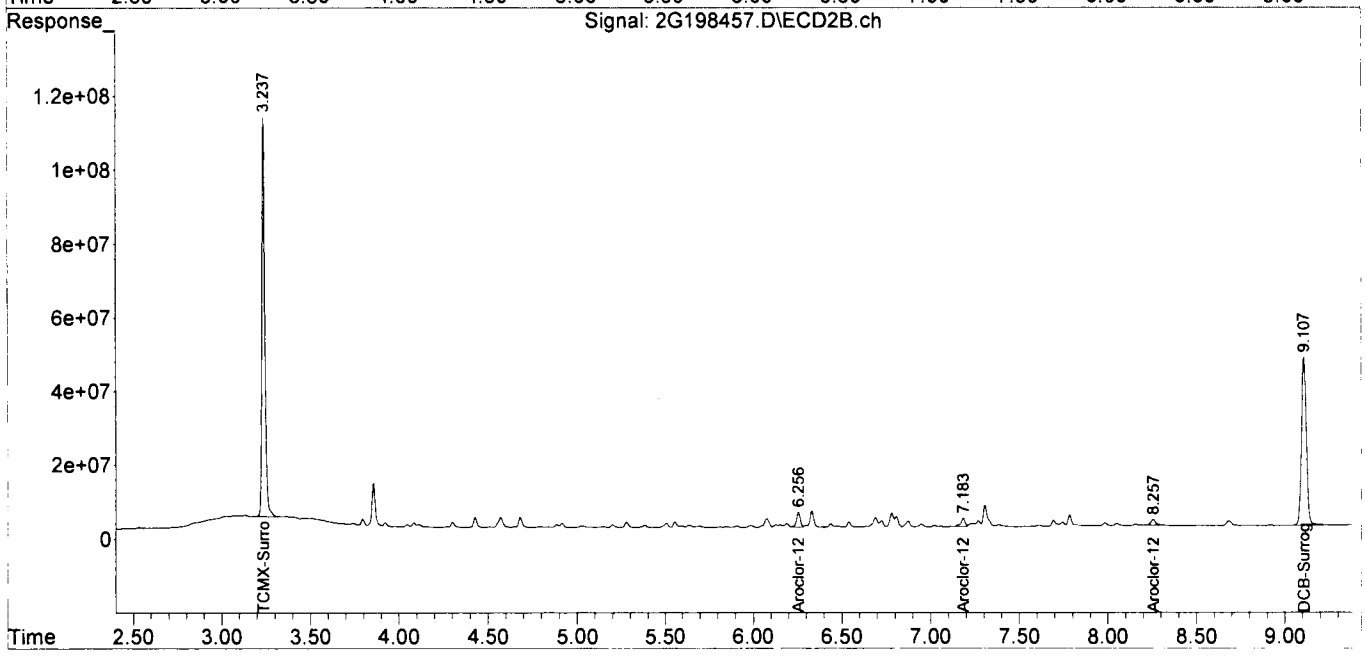
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-16-24\
Data File : 2G198457.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 10:27
Operator : AH/PR/KM
Sample : AD48589-004
Misc : S,PCB
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 13:14:38 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48589-005
Client Id: SB-18-7.5-8.0'
Data File: 2G198423.D
Analysis Date: 12/16/24 02:18
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 78

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.032	U	11097-69-1	Aroclor-1254	0.032	U
11104-28-2	Aroclor-1221	0.032	U	11096-82-5	Aroclor-1260	0.032	U
11141-16-5	Aroclor-1232	0.032	U	37324-23-5	Aroclor-1262	0.032	U
53469-21-9	Aroclor-1242	0.032	U	11100-14-4	Aroclor-1268	0.032	U
12672-29-6	Aroclor-1248	0.032	U	1336-36-3	Aroclor (Total)	0.032	U

Worksheet #: 765543

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 02:18
Operator : AH/PR/KM
Sample : AD48589-005
Misc : S,PCB
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 16:32:39 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

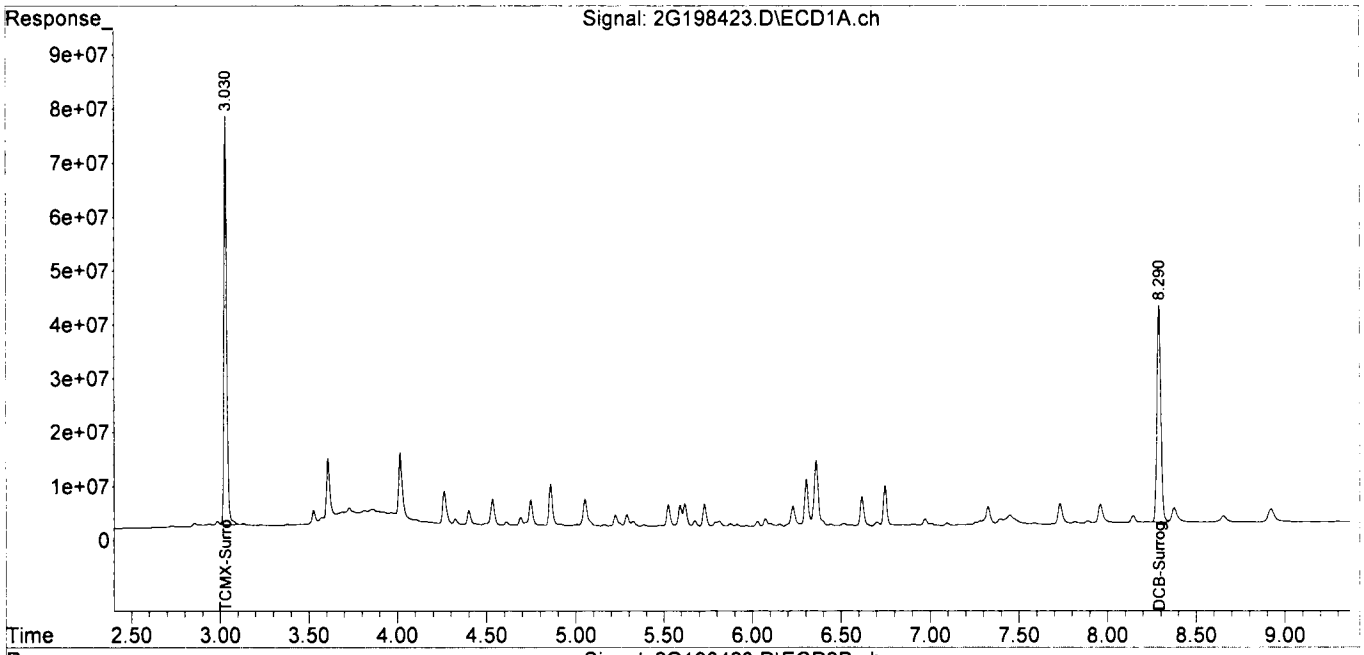
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.030	3.237	838.9E6	1171.3E6	92.601	89.204
45)	DCB-Surrogate	8.290	9.109	621.6E6	848.5E6	86.310	87.015

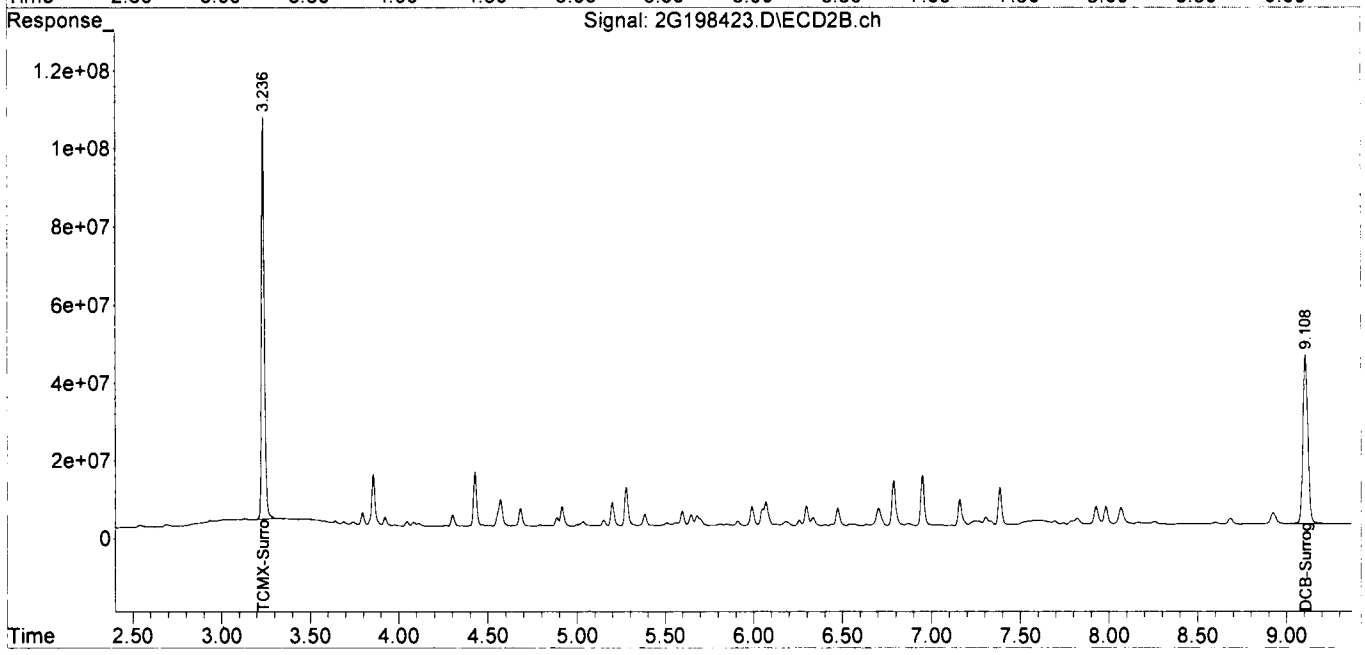
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198423.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 02:18
Operator : AH/PR/KM
Sample : AD48589-005
Misc : S,PCB
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 16:32:39 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48589-006
Client Id: SB-21-7.5-8.0'
Data File: 2G198458.D
Analysis Date: 12/16/24 10:39
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 79

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.032	U	**11097-69-1**	**Aroclor-1254**	**0.032**	**0.094**
11104-28-2	Aroclor-1221	0.032	U	11096-82-5	Aroclor-1260	0.032	U
11141-16-5	Aroclor-1232	0.032	U	37324-23-5	Aroclor-1262	0.032	U
53469-21-9	Aroclor-1242	0.032	U	**11100-14-4**	**Aroclor-1268**	**0.032**	**0.10**
12672-29-6	Aroclor-1248	0.032	U	**1336-36-3**	**Aroclor (Total)**	**0.032**	**0.19**

12/16/24

Worksheet #: 765547

Total Target Concentration 0.094

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-16-24\
Data File : 2G198458.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 10:39
Operator : AH/PR/KM
Sample : AD48589-006
Misc : S,PCB
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 17:20:02 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

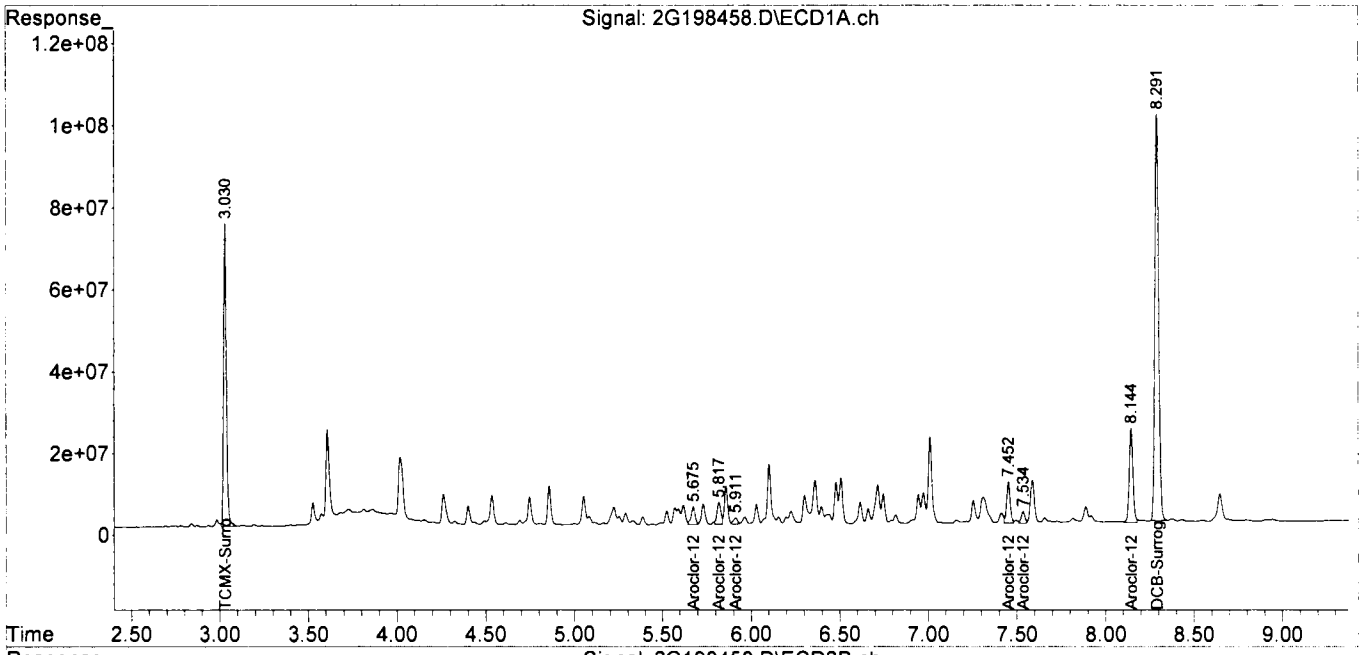
Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.030	3.237	816.6E6	1180.2E6	90.134	89.886
30)Aroclor-1254 {1}	5.675	5.557	66380940	36299520	114.221	69.663 #
31)Aroclor-1254 {2}	5.817	5.846	80386139	11943998	262.880m	59.242m#
32)Aroclor-1254 {3}	5.911	6.193	25377529	40673027	66.752	72.276
42)Aroclor-1268 {3}	7.452	8.051	141.5E6	186.9E6	174.619m	170.813
43)Aroclor-1268 {4}	7.534	8.155	39036644	93621731	186.018m	357.446m#
44)Aroclor-1268 {5}	8.144	8.684	337.8E6	432.5E6	130.359m	119.557
45)DCB-Surrogate	8.292	9.108	1489.5E6	2112.9E6	206.826	216.684

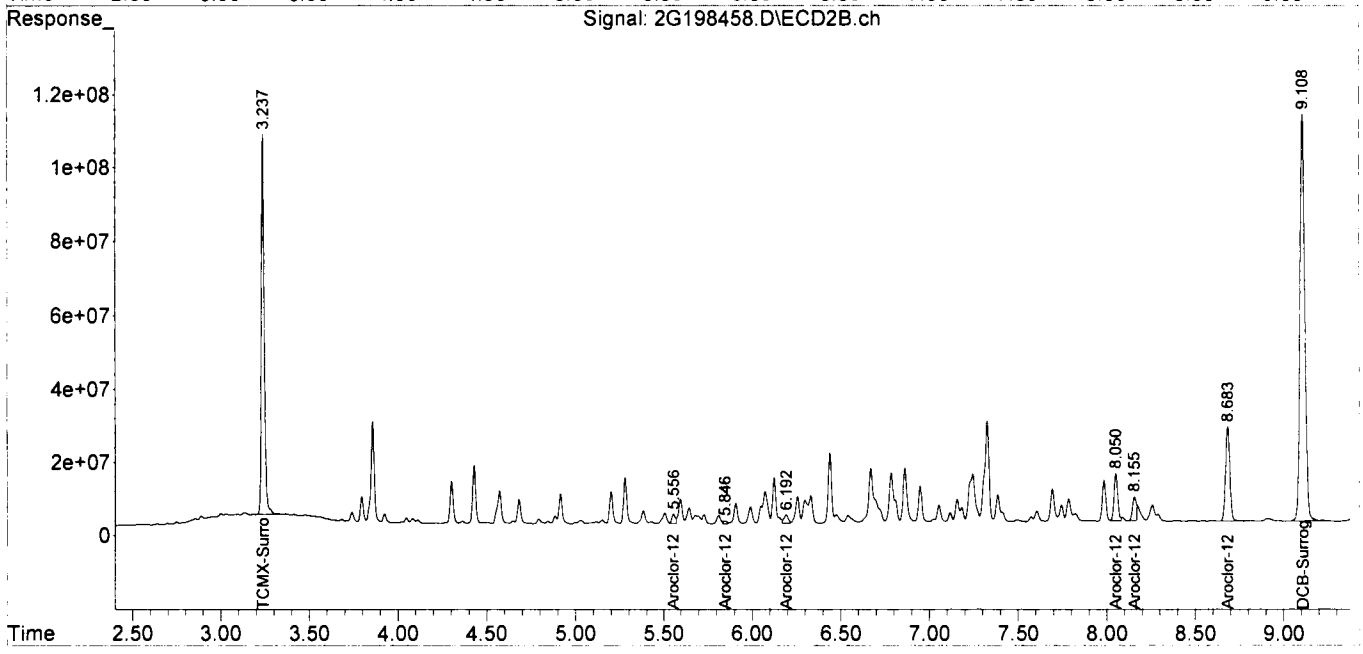
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-16-24\
Data File : 2G198458.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 10:39
Operator : AH/PR/KM
Sample : AD48589-006
Misc : S,PCB
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 17:20:02 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48589-007
Client Id: SB-10-7.5-8.0'
Data File: 2G198461.D
Analysis Date: 12/16/24 11:14
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 87

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.029	U	11097-69-1	Aroclor-1254	0.029	U
11104-28-2	Aroclor-1221	0.029	U	11096-82-5	Aroclor-1260	0.029	U
11141-16-5	Aroclor-1232	0.029	U	37324-23-5	Aroclor-1262	0.029	U
53469-21-9	Aroclor-1242	0.029	U	11100-14-4	Aroclor-1268	0.029	U
12672-29-6	Aroclor-1248	0.029	U	1336-36-3	Aroclor (Total)	0.029	U

Worksheet #: 765543

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-16-24\
Data File : 2G198461.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 11:14
Operator : AH/PR/KM
Sample : AD48589-007
Misc : S,PCB
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 13:15:45 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

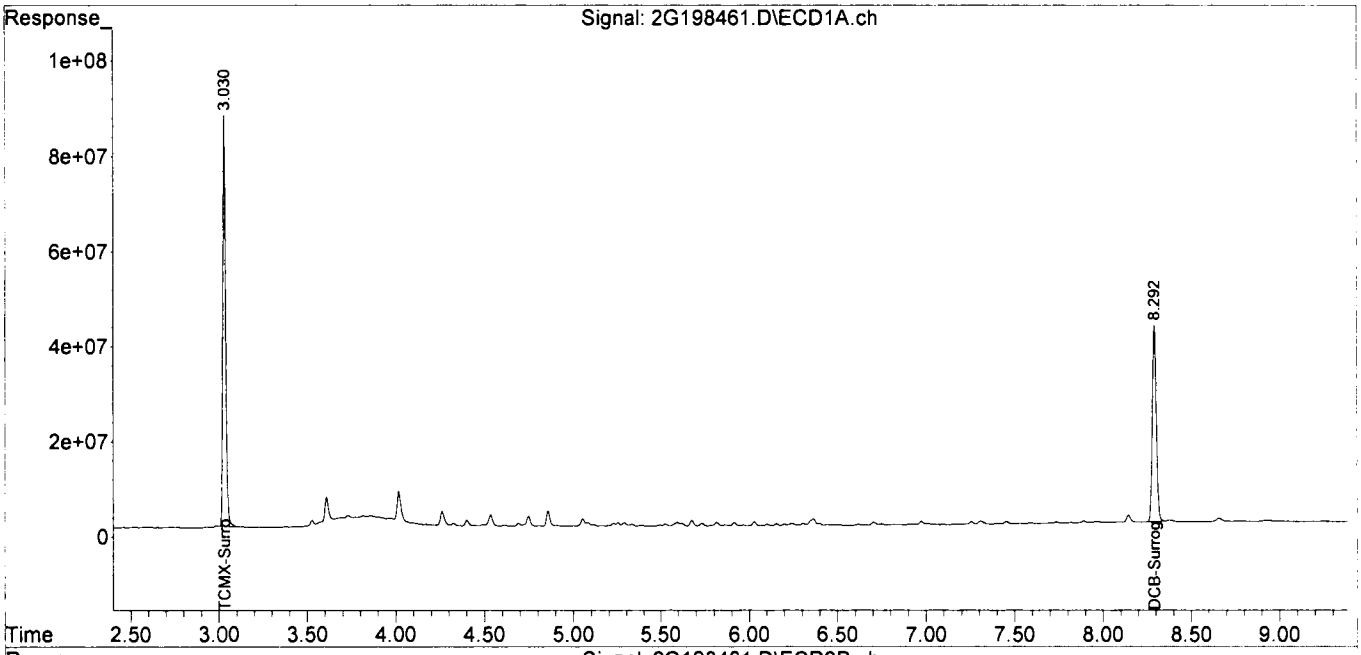
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.030	3.237	979.6E6	1373.2E6	108.125	104.581
45)	DCB-Surrogate	8.292	9.109	641.8E6	872.2E6	89.115	89.453

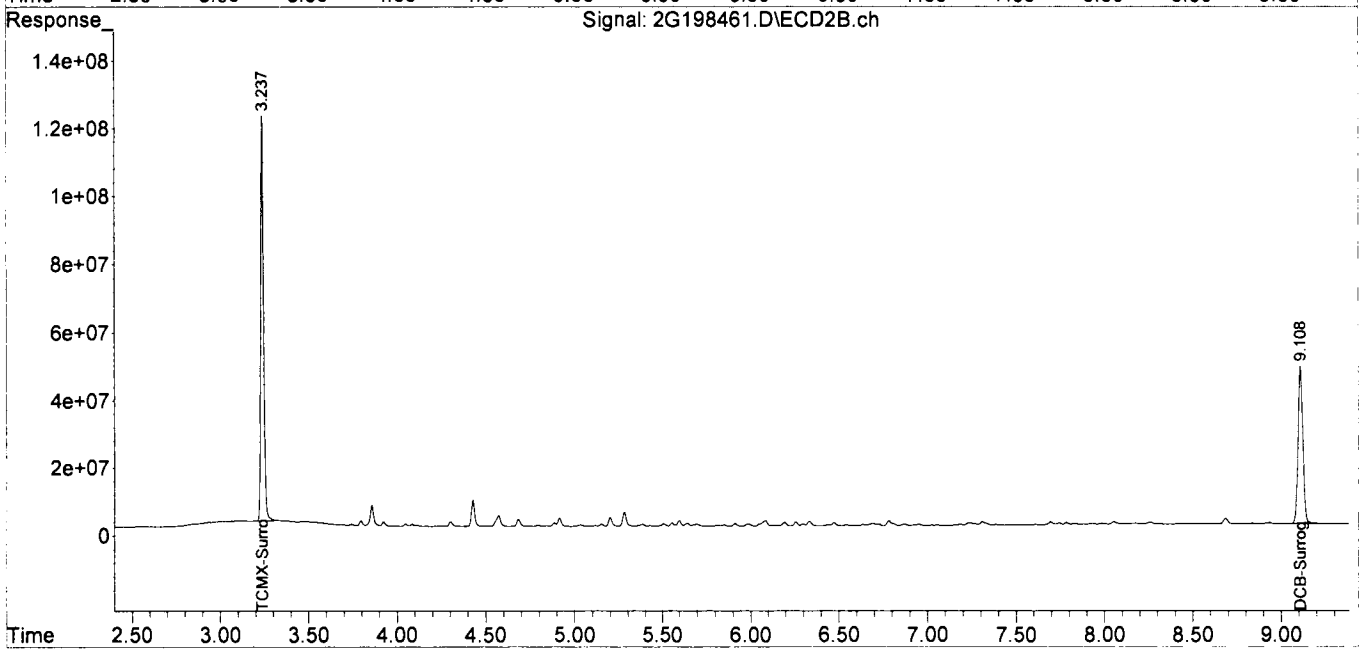
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-16-24\
Data File : 2G198461.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 11:14
Operator : AH/PR/KM
Sample : AD48589-007
Misc : S,PCB
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 13:15:45 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48589-008
Client Id: SB-11-7.5-8.0'
Data File: 2G198442.D
Analysis Date: 12/16/24 06:02
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 73

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.034	U	11097-69-1	Aroclor-1254	0.034	U
11104-28-2	Aroclor-1221	0.034	U	11096-82-5	Aroclor-1260	0.034	U
11141-16-5	Aroclor-1232	0.034	U	37324-23-5	Aroclor-1262	0.034	U
53469-21-9	Aroclor-1242	0.034	U	11100-14-4	Aroclor-1268	0.034	U
12672-29-6	Aroclor-1248	0.034	U	1336-36-3	Aroclor (Total)	0.034	U

Worksheet #: 765543

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 06:02
Operator : AH/PR/KM
Sample : AD48589-008
Misc : S,PCB
ALS Vial : 75 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 10:39:21 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

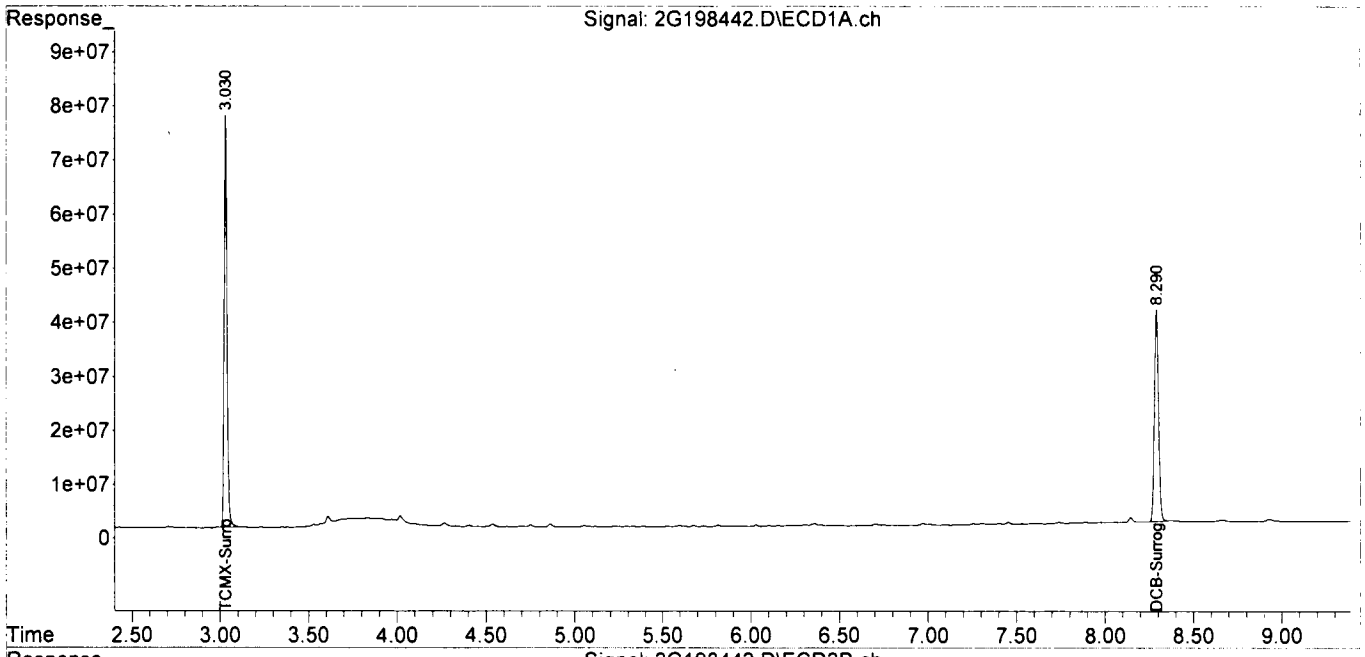
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.030	3.237	863.5E6	1204.5E6	95.316	91.731
45)	DCB-Surrogate	8.290	9.108	634.8E6	868.9E6	88.144	89.110

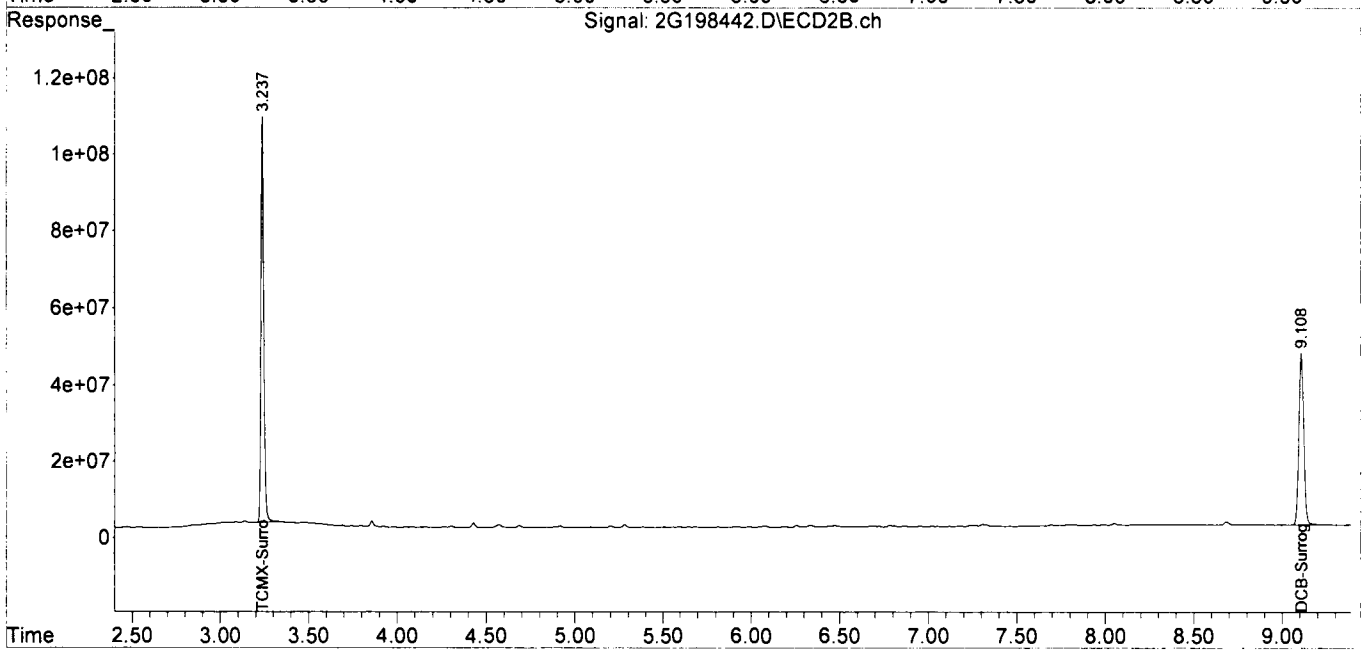
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 06:02
Operator : AH/PR/KM
Sample : AD48589-008
Misc : S,PCB
ALS Vial : 75 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 10:39:21 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48589-009
Client Id: SB-11-7.5-8.0 DUP
Data File: 2G198443.D
Analysis Date: 12/16/24 06:14
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 79

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.032	U	11097-69-1	Aroclor-1254	0.032	U
11104-28-2	Aroclor-1221	0.032	U	11096-82-5	Aroclor-1260	0.032	U
11141-16-5	Aroclor-1232	0.032	U	37324-23-5	Aroclor-1262	0.032	U
53469-21-9	Aroclor-1242	0.032	U	11100-14-4	Aroclor-1268	0.032	U
12672-29-6	Aroclor-1248	0.032	U	1336-36-3	Aroclor (Total)	0.032	U

Worksheet #: 765543

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198443.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 06:14
Operator : AH/PR/KM
Sample : AD48589-009
Misc : S,PCB
ALS Vial : 76 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 10:39:36 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

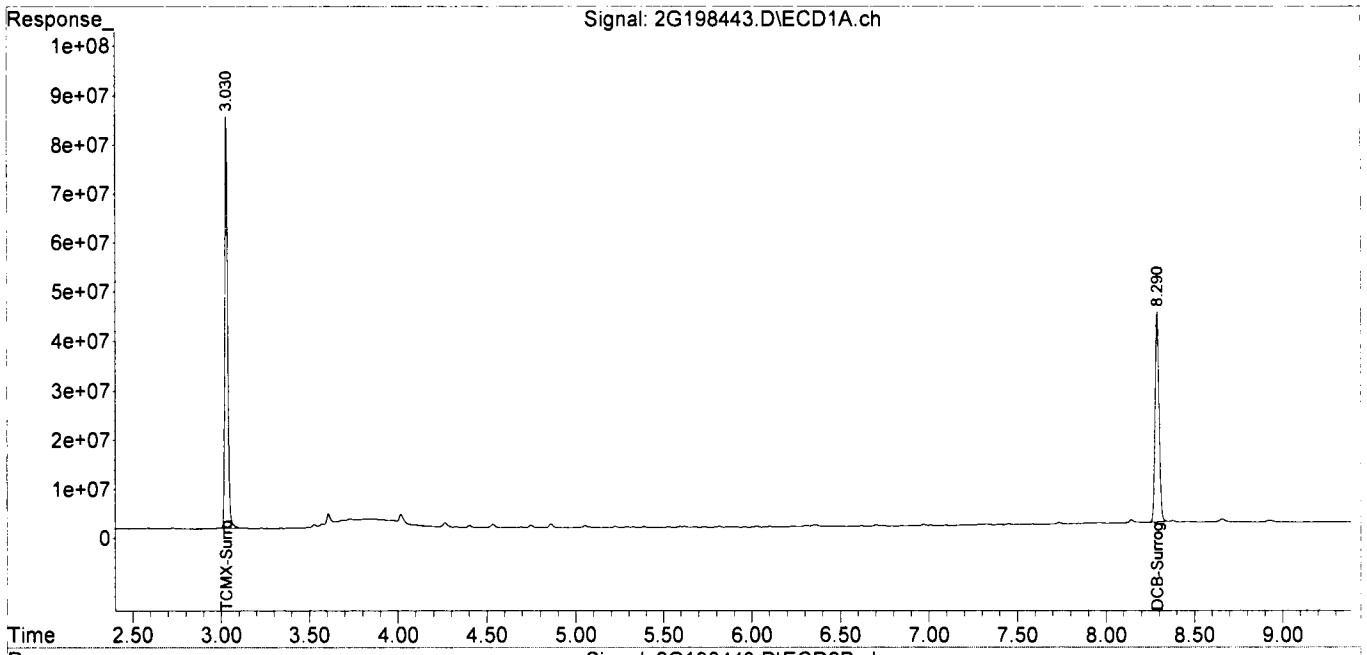
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.030	3.237	936.6E6	1309.2E6	103.385	99.711
45)	DCB-Surrogate	8.290	9.107	657.6E6	903.4E6	91.308	92.652

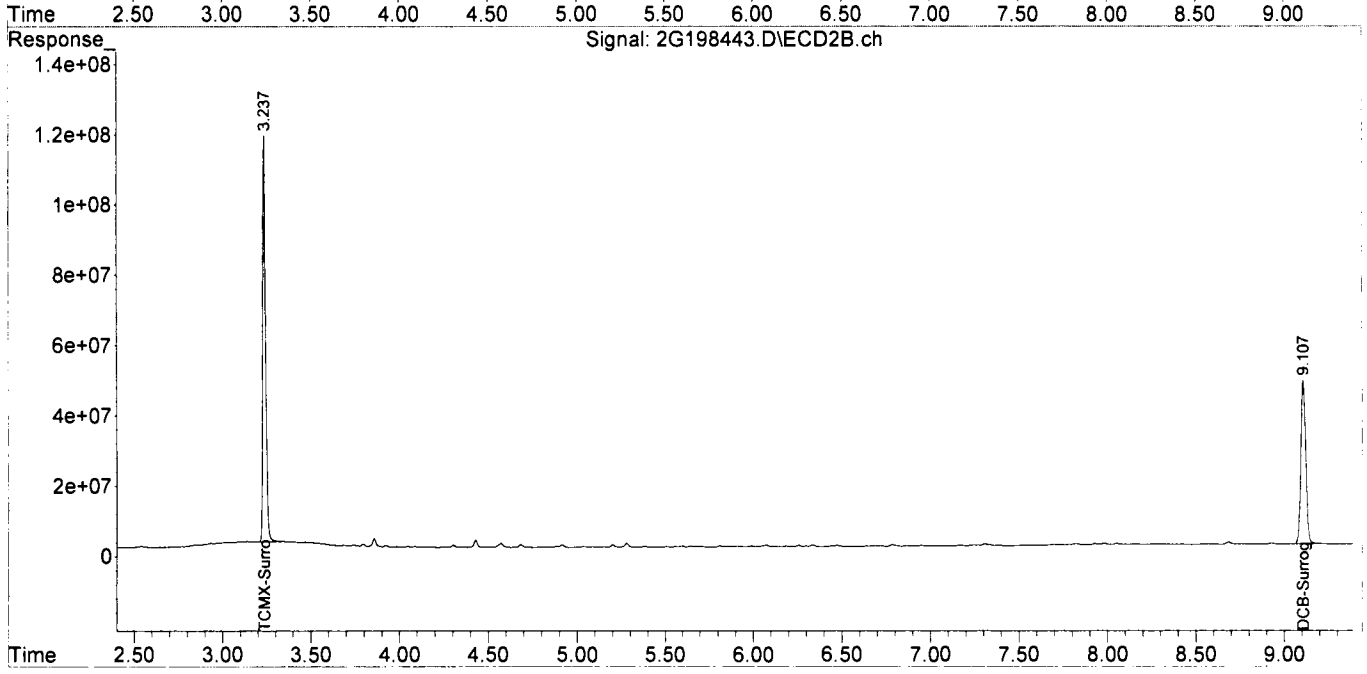
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198443.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 06:14
Operator : AH/PR/KM
Sample : AD48589-009
Misc : S,PCB
ALS Vial : 76 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 10:39:36 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48589-010
Client Id: SB-17-7.5-8.0'
Data File: 2G198440.D
Analysis Date: 12/16/24 05:38
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 83

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.030	U	11097-69-1	Aroclor-1254	0.030	U
11104-28-2	Aroclor-1221	0.030	U	11096-82-5	Aroclor-1260	0.030	U
11141-16-5	Aroclor-1232	0.030	U	37324-23-5	Aroclor-1262	0.030	U
53469-21-9	Aroclor-1242	0.030	U	11100-14-4	Aroclor-1268	0.030	U
12672-29-6	Aroclor-1248	0.030	U	1336-36-3	Aroclor (Total)	0.030	U

Worksheet #: 765543

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 05:38
Operator : AH/PR/KM
Sample : AD48589-010
Misc : S,PCB
ALS Vial : 73 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 10:38:52 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

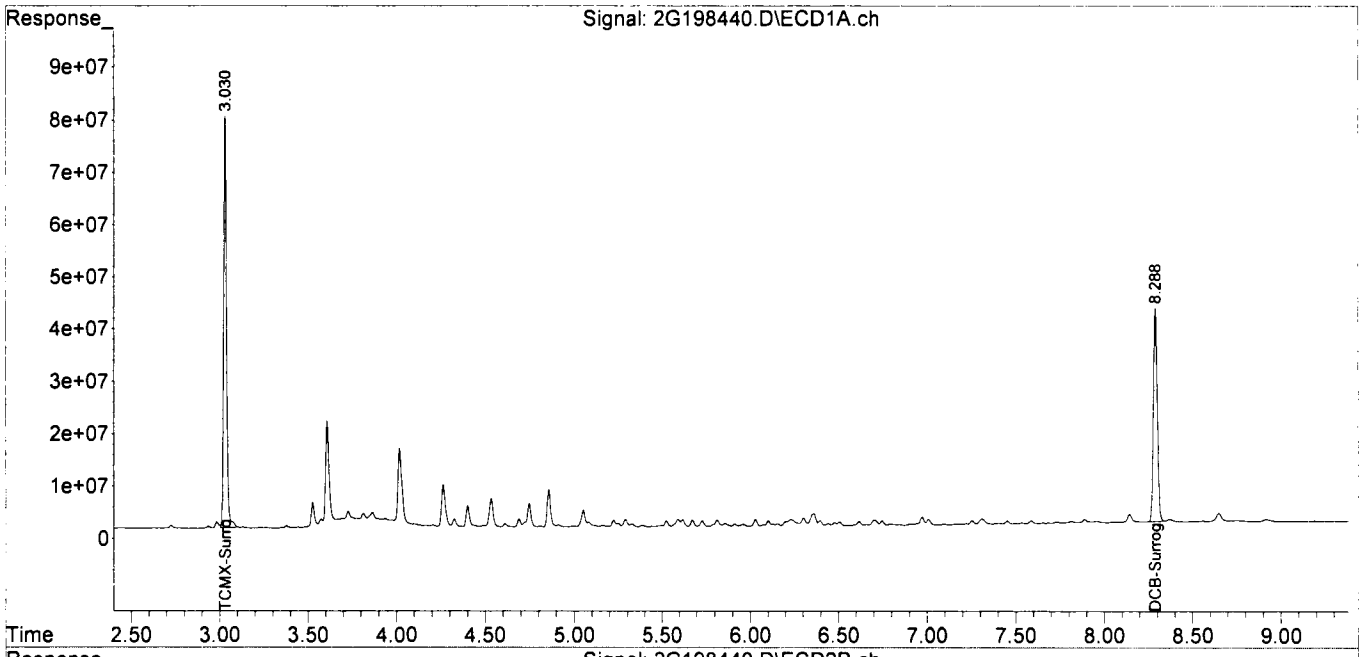
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.030	3.237	890.9E6	1253.9E6	98.340	95.493
45)	DCB-Surrogate	8.288	9.107	630.3E6	861.9E6	87.525	88.396

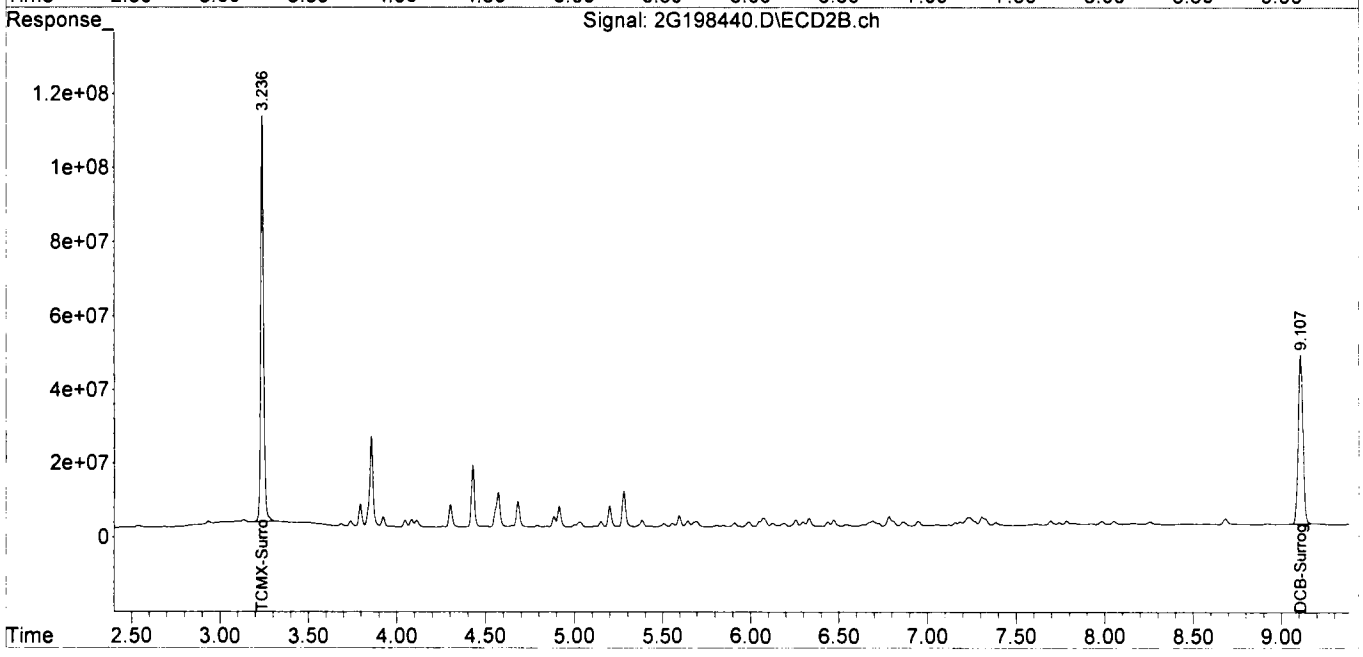
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 05:38
Operator : AH/PR/KM
Sample : AD48589-010
Misc : S,PCB
ALS Vial : 73 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 10:38:52 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48589-011
Client Id: SB-22-7.5-8.0'
Data File: 2G198441.D
Analysis Date: 12/16/24 05:50
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 94

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.027	U	11097-69-1	Aroclor-1254	0.027	U
11104-28-2	Aroclor-1221	0.027	U	11096-82-5	Aroclor-1260	0.027	U
11141-16-5	Aroclor-1232	0.027	U	37324-23-5	Aroclor-1262	0.027	U
53469-21-9	Aroclor-1242	0.027	U	11100-14-4	Aroclor-1268	0.027	U
12672-29-6	Aroclor-1248	0.027	U	1336-36-3	Aroclor (Total)	0.027	U

Worksheet #: 765543

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 05:50
Operator : AH/PR/KM
Sample : AD48589-011
Misc : S,PCB
ALS Vial : 74 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 10:39:07 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

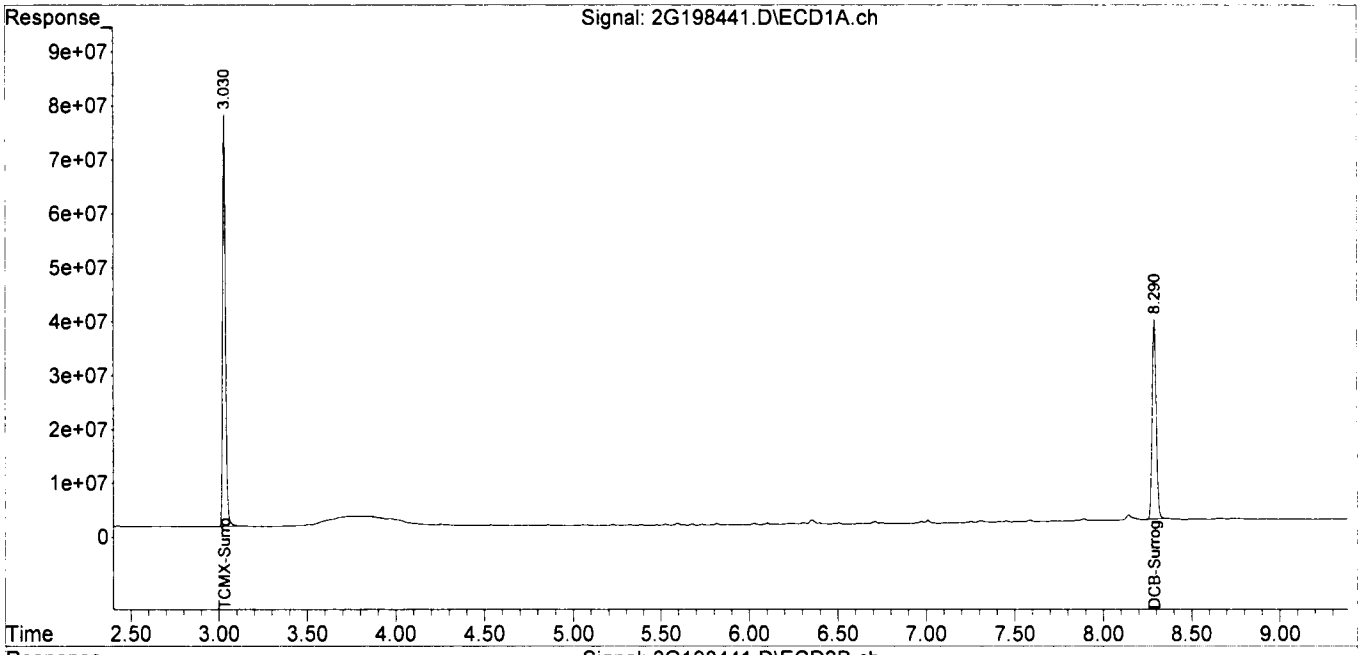
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.030	3.237	849.2E6	1177.5E6	93.733	89.680
45)	DCB-Surrogate	8.290	9.107	587.9E6	793.5E6	81.631	81.375

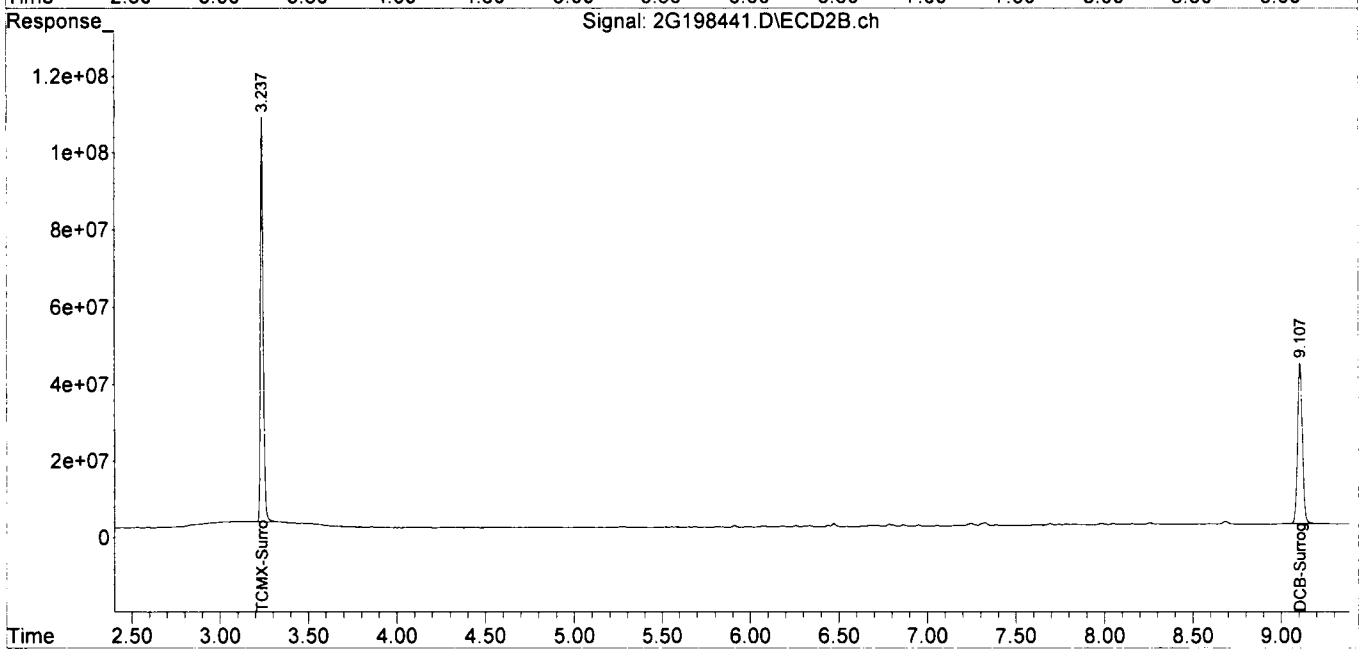
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198441.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 05:50
Operator : AH/PR/KM
Sample : AD48589-011
Misc : S,PCB
ALS Vial : 74 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 10:39:07 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48589-016
Client Id: TWP-10 U
Data File: 2G198367.D
Analysis Date: 12/15/24 15:16
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 2.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.25	U	11097-69-1	Aroclor-1254	0.25	U
11104-28-2	Aroclor-1221	0.25	U	11096-82-5	Aroclor-1260	0.25	U
11141-16-5	Aroclor-1232	0.25	U	37324-23-5	Aroclor-1262	0.25	U
53469-21-9	Aroclor-1242	0.25	U	11100-14-4	Aroclor-1268	0.25	U
12672-29-6	Aroclor-1248	0.25	U	1336-36-3	Aroclor (Total)	0.25	U

Worksheet #: 765543

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198367.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Dec 2024 15:16
Operator : AH/PR/KM
Sample : AD48589-016
Misc : A,PCB
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 10:07:39 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

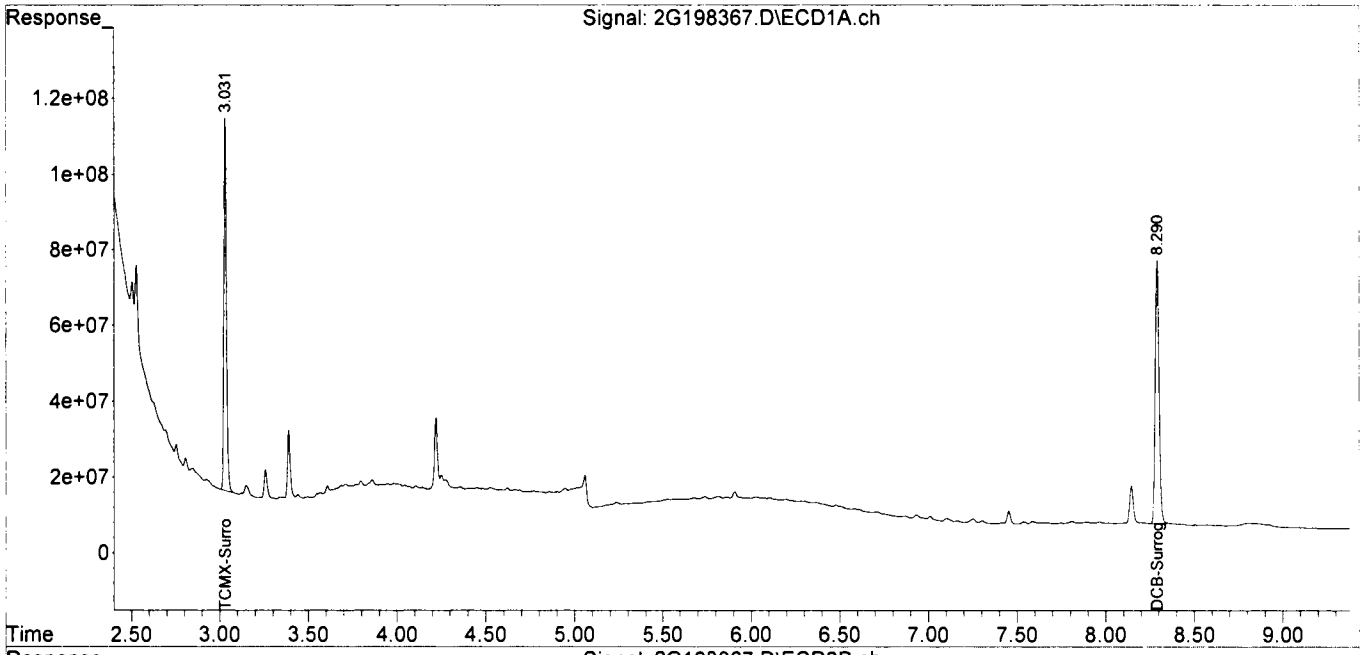
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.031	3.238	1008.1E6	1517.3E6	111.278	115.556
45)	DCB-Surrogate	8.290	9.108	1069.5E6	1556.0E6	148.501m	159.573

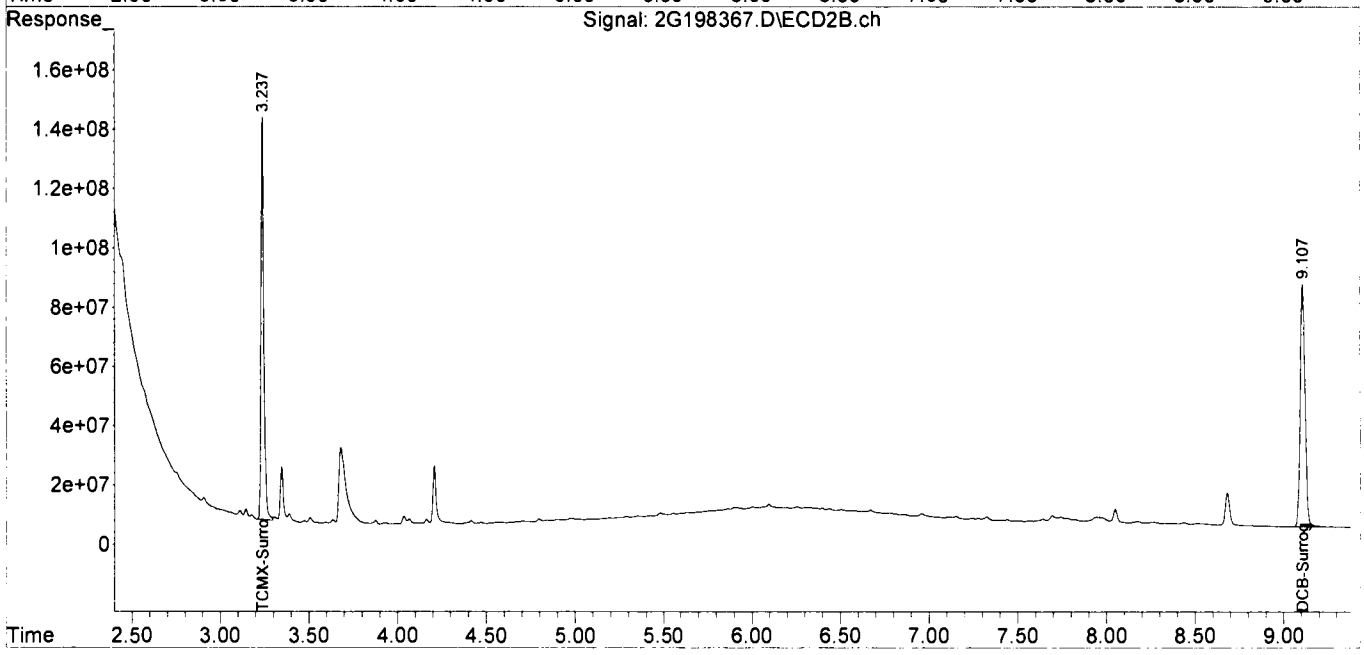
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198367.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Dec 2024 15:16
Operator : AH/PR/KM
Sample : AD48589-016
Misc : A,PCB
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 10:07:39 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48589-018
Client Id: TWP-12 U
Data File: 2G198368.D
Analysis Date: 12/15/24 15:28
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.25	U	11097-69-1	Aroclor-1254	0.25	U
11104-28-2	Aroclor-1221	0.25	U	11096-82-5	Aroclor-1260	0.25	U
11141-16-5	Aroclor-1232	0.25	U	37324-23-5	Aroclor-1262	0.25	U
53469-21-9	Aroclor-1242	0.25	U	11100-14-4	Aroclor-1268	0.25	U
12672-29-6	Aroclor-1248	0.25	U	1336-36-3	Aroclor (Total)	0.25	U

Worksheet #: 765543

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Dec 2024 15:28
Operator : AH/PR/KM
Sample : AD48589-018
Misc : A,PCB
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 10:07:53 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

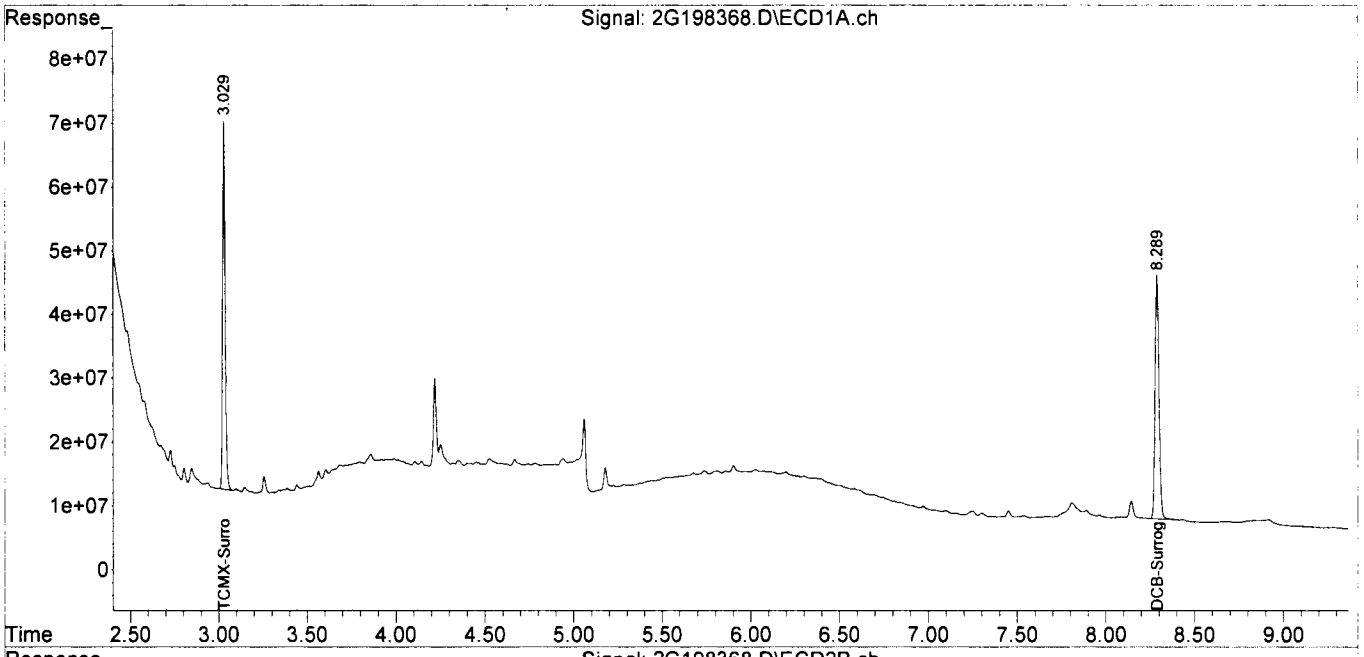
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.030	3.236	588.6E6	867.1E6	64.968	66.038
45)	DCB-Surrogate	8.290	9.107	587.4E6	819.1E6	81.566	84.005

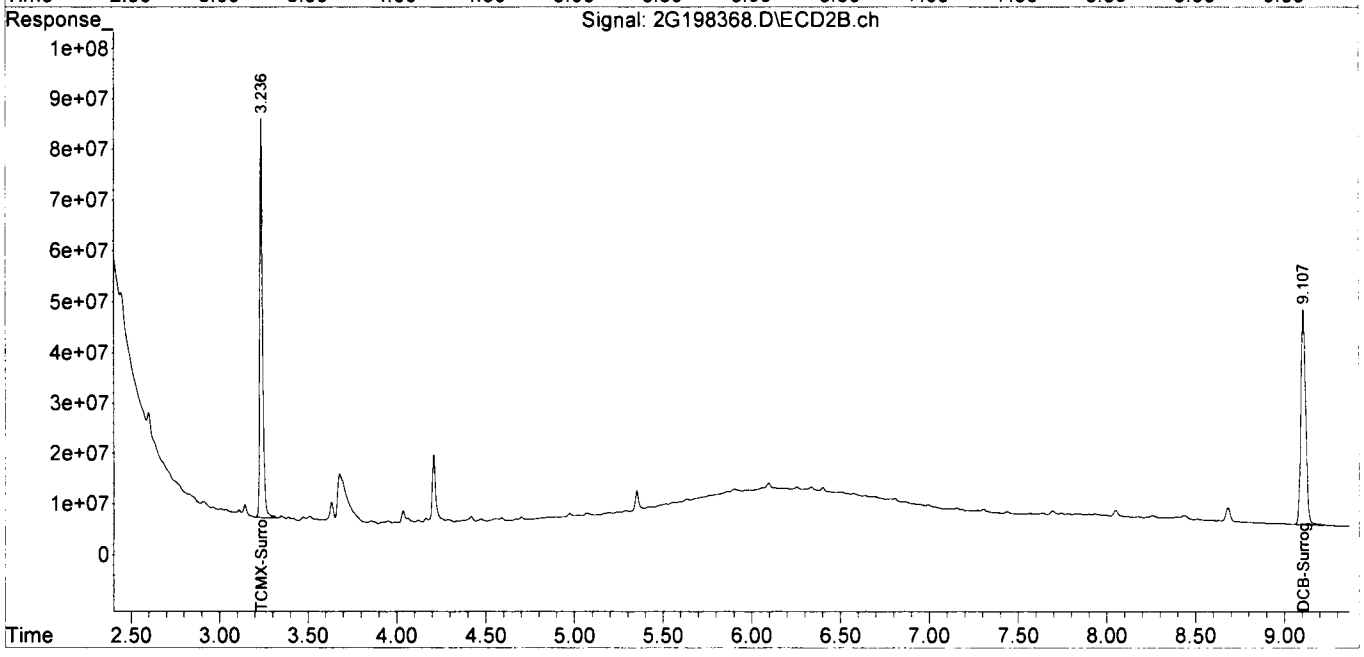
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Dec 2024 15:28
Operator : AH/PR/KM
Sample : AD48589-018
Misc : A,PCB
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 10:07:53 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: AD48589-020
Client Id: TWP-21-U
Data File: 2G198369.D
Analysis Date: 12/15/24 15:40
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.25	U	11097-69-1	Aroclor-1254	0.25	U
11104-28-2	Aroclor-1221	0.25	U	11096-82-5	Aroclor-1260	0.25	U
11141-16-5	Aroclor-1232	0.25	U	37324-23-5	Aroclor-1262	0.25	U
53469-21-9	Aroclor-1242	0.25	U	11100-14-4	Aroclor-1268	0.25	U
12672-29-6	Aroclor-1248	0.25	U	1336-36-3	Aroclor (Total)	0.25	U

Worksheet #: 765543

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198369.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Dec 2024 15:40
Operator : AH/PR/KM
Sample : AD48589-020
Misc : A,PCB
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 10:08:20 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

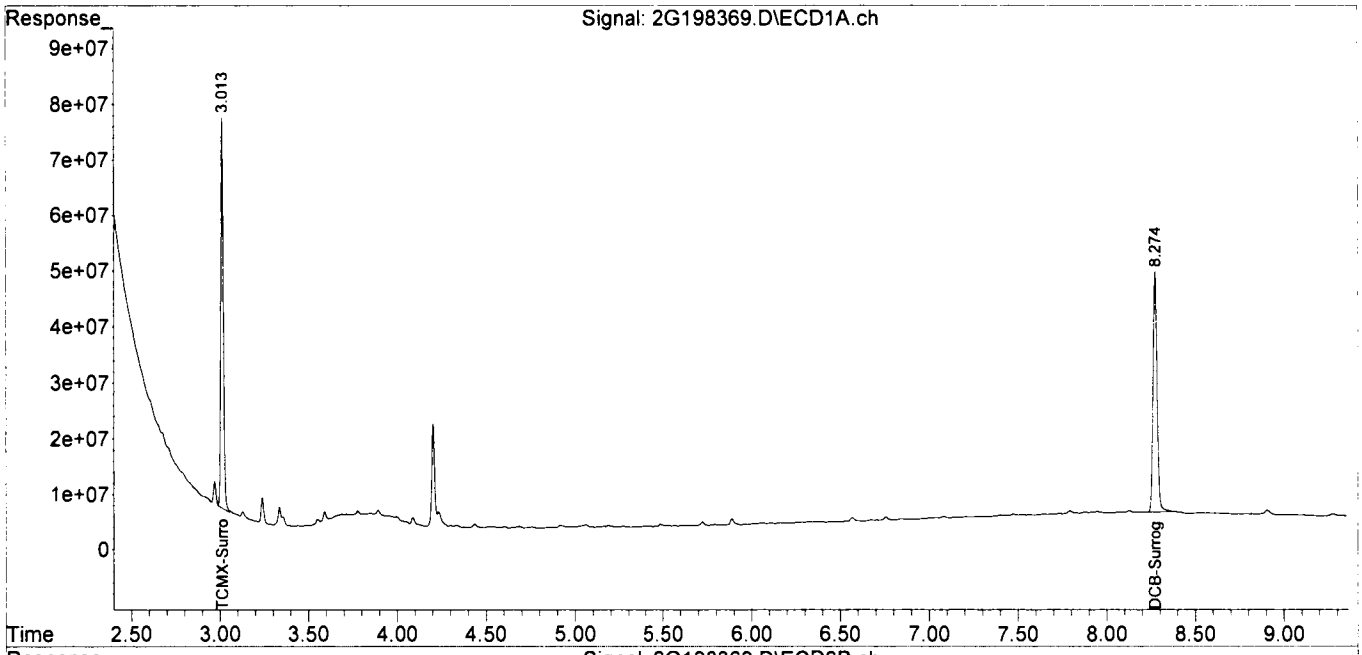
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.013	3.229	715.1E6	1173.4E6	78.931m	89.365m
45)	DCB-Surrogate	8.274	9.101	690.0E6	953.7E6	95.807	97.806

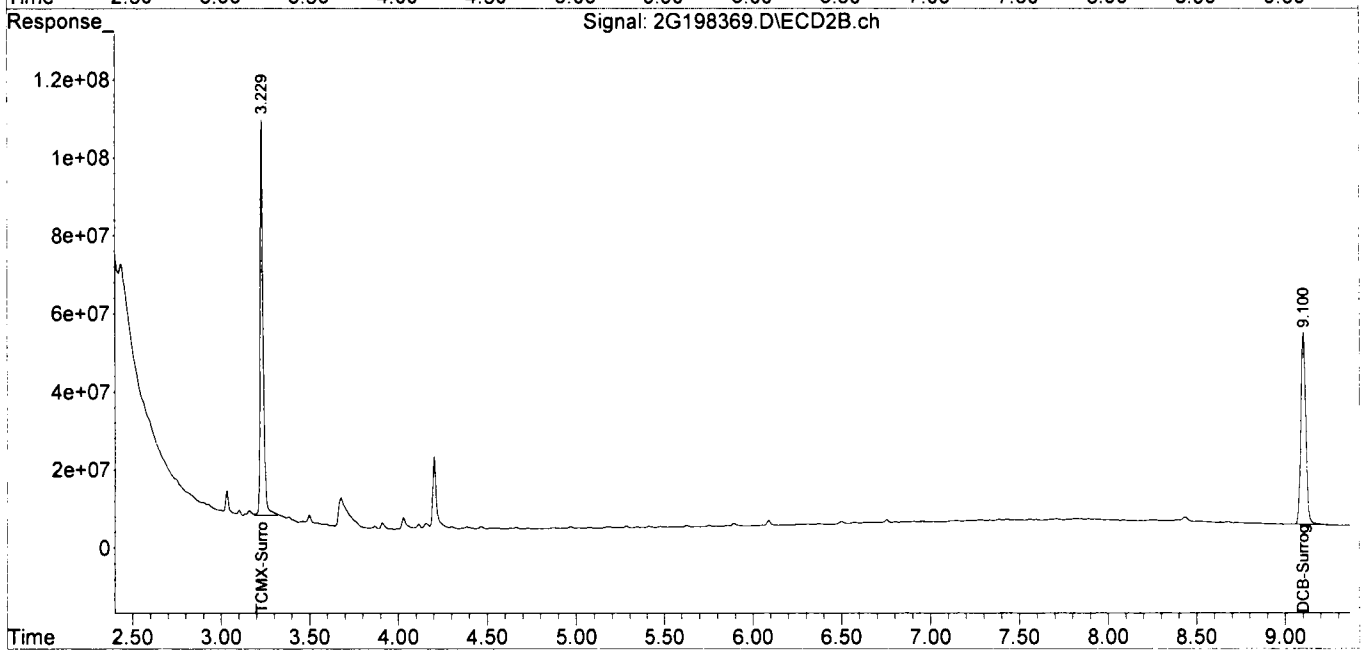
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198369.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Dec 2024 15:40
Operator : AH/PR/KM
Sample : AD48589-020
Misc : A,PCB
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 10:08:20 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48589-001
Client Id: SB-07-9.5-10.0'
Data File: 6G194163.D
Analysis Date: 12/13/24 10:13
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 69

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0072	U	53494-70-5	Endrin Ketone	0.0072	U
309-00-2	Aldrin	0.0072	U	58-89-9	gamma-BHC	0.0014	U
319-84-6	alpha-BHC	0.0014	U	76-44-8	Heptachlor	0.0072	U
319-85-7	beta-BHC	0.0014	U	1024-57-3	Heptachlor Epoxide	0.0072	U
319-86-8	delta-BHC	0.0072	U	72-43-5	Methoxychlor	0.0072	U
60-57-1	Dieldrin	0.0014	U	72-54-8	p,p'-DDD	0.0036	U
959-98-8	Endosulfan I	0.0072	U	72-55-9	p,p'-DDE	0.0036	U
33213-65-9	Endosulfan II	0.0072	U	50-29-3	p,p'-DDT	0.0036	U
1031-07-8	Endosulfan Sulfate	0.0072	U	8001-35-2	Toxaphene	0.036	U
72-20-8	Endrin	0.0072	U	5103-74-2	y-chlordane	0.0072	U
7421-93-4	Endrin Aldehyde	0.0072	U	57-74-9	Chlordane (Total)	0.0072	U

Worksheet #: 765394

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194163.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 10:13
Operator : AH/PR/KM
Sample : AD48589-001
Misc : S,PEST
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 13:31:44 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.071	3.316	856.9E6	662.0E6	89.315m	88.228m
22)	DCB-Surrogate	8.296	9.393	915.8E6	704.9E6	107.507m	115.254m

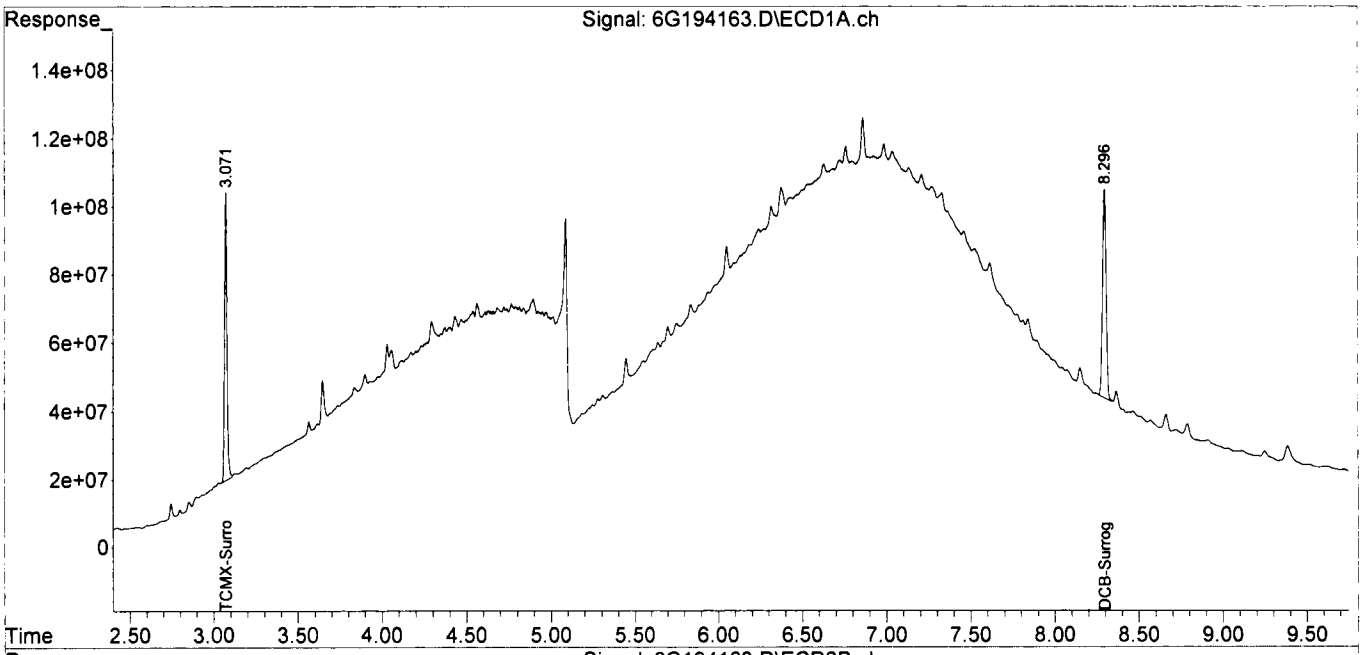
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

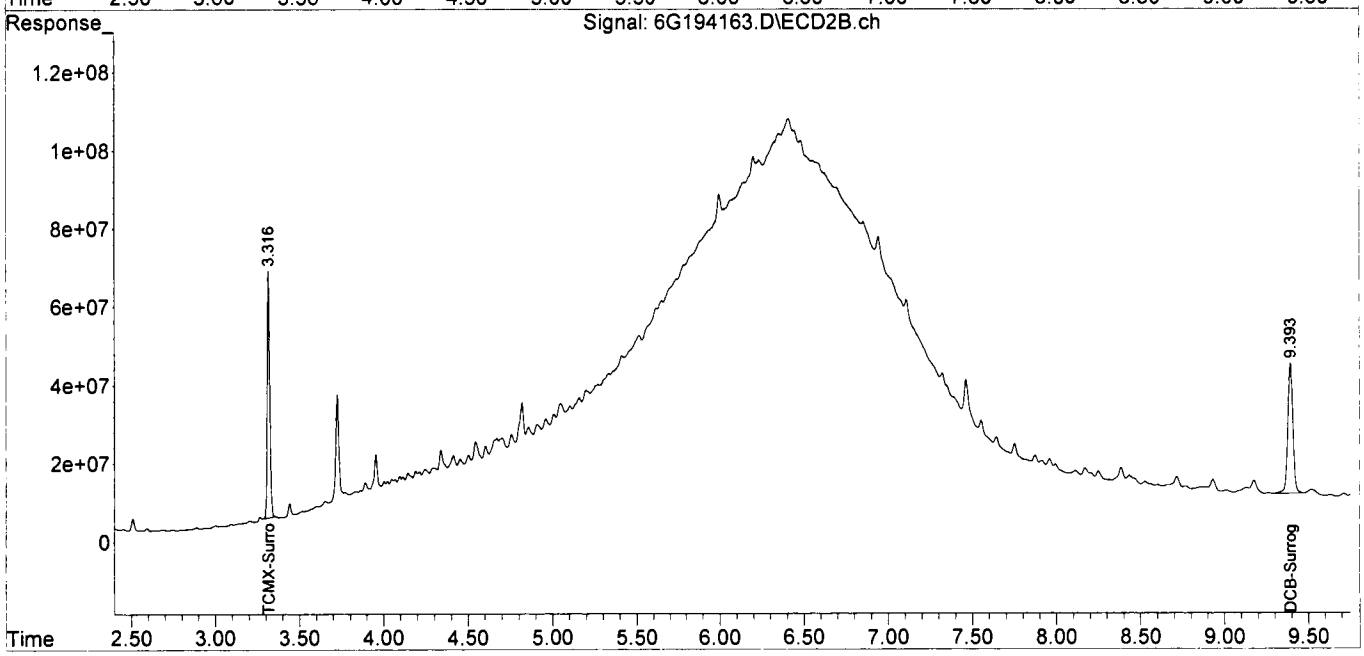
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194163.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 10:13
Operator : AH/PR/KM
Sample : AD48589-001
Misc : S,PEST
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 13:31:44 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48589-002
Client Id: SB-09-9.5-10.0'
Data File: 6G194206.D
Analysis Date: 12/16/24 04:03
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0058	U	53494-70-5	Endrin Ketone	0.0058	U
309-00-2	Aldrin	0.0058	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0058	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0058	U
319-86-8	delta-BHC	0.0058	U	72-43-5	Methoxychlor	0.0058	U
60-57-1	Dieldrin	0.0012	U	72-54-8	p,p'-DDD	0.0029	U
959-98-8	Endosulfan I	0.0058	U	72-55-9	p,p'-DDE	0.0029	U
33213-65-9	Endosulfan II	0.0058	U	50-29-3	p,p'-DDT	0.0029	U
1031-07-8	Endosulfan Sulfate	0.0058	U	8001-35-2	Toxaphene	0.029	U
72-20-8	Endrin	0.0058	U	5103-74-2	y-chlordane	0.0058	U
7421-93-4	Endrin Aldehyde	0.0058	U	57-74-9	Chlordane (Total)	0.0058	U

Worksheet #: 765394

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-16-24\
Data File : 6G194206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 04:03
Operator : AH/PR/KM
Sample : AD48589-002
Misc : S,PEST
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 09:14:52 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.073	3.317	882.9E6	735.5E6	92.031m	98.019m
22)	DCB-Surrogate	8.299	9.389	764.9E6	627.7E6	89.793m	102.631m

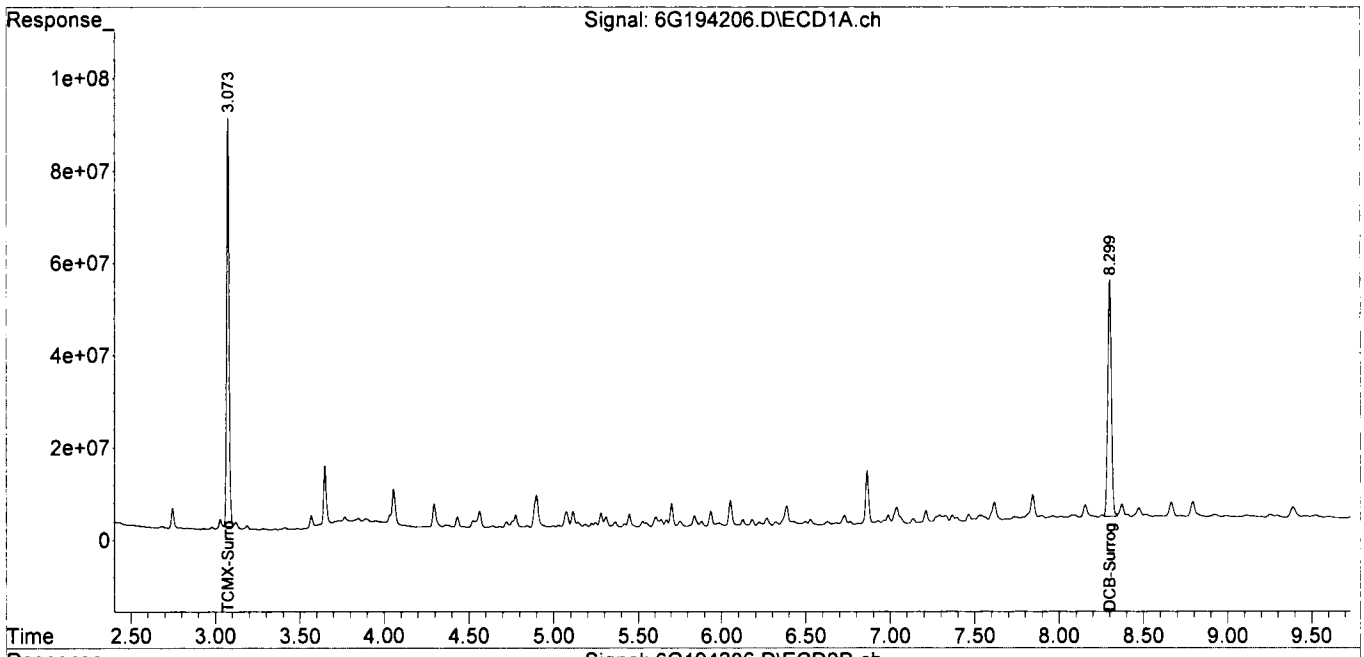
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

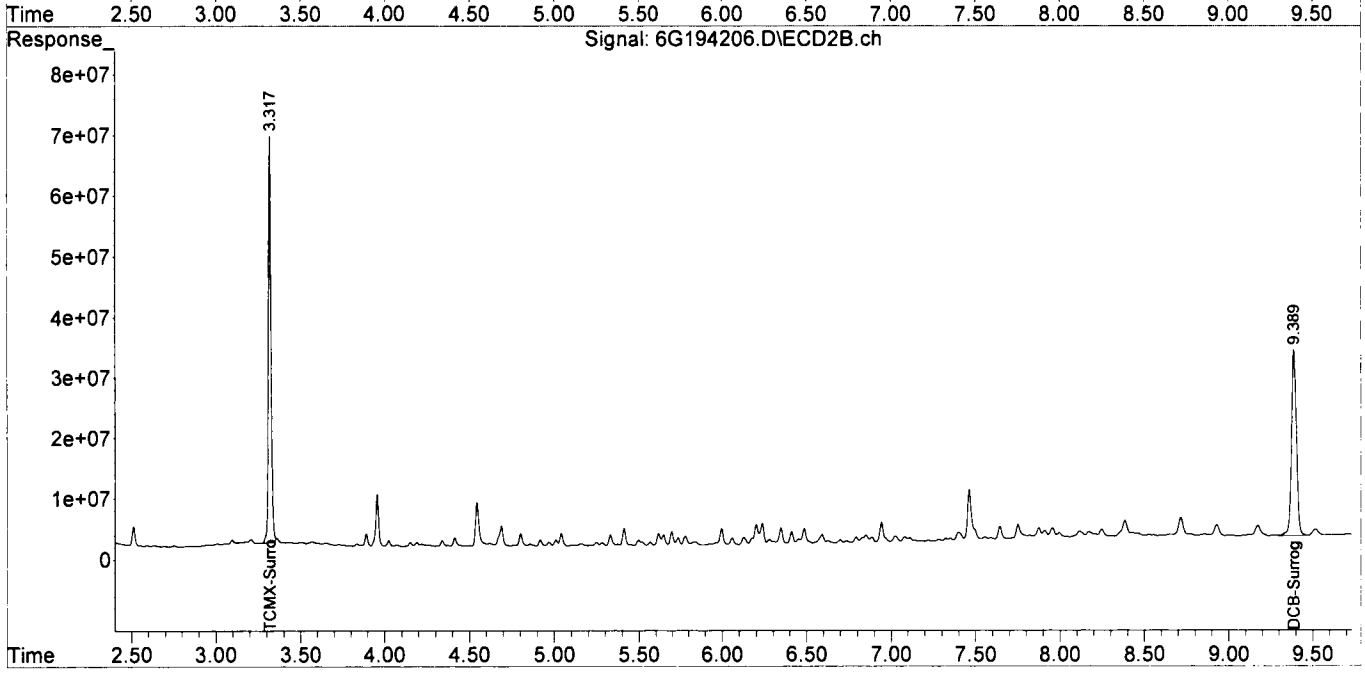
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-16-24\
Data File : 6G194206.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 04:03
Operator : AH/PR/KM
Sample : AD48589-002
Misc : S,PEST
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 09:14:52 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48589-003
Client Id: SB-12-9.5-10.0'
Data File: 6G194161.D
Analysis Date: 12/13/24 09:49
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 81

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0062	U	53494-70-5	Endrin Ketone	0.0062	U
309-00-2	Aldrin	0.0062	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0062	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0062	U
319-86-8	delta-BHC	0.0062	U	72-43-5	Methoxychlor	0.0062	U
60-57-1	Dieldrin	0.0012	U	72-54-8	p,p'-DDD	0.0031	U
959-98-8	Endosulfan I	0.0062	U	72-55-9	p,p'-DDE	0.0031	U
33213-65-9	Endosulfan II	0.0062	U	50-29-3	p,p'-DDT	0.0031	U
1031-07-8	Endosulfan Sulfate	0.0062	U	8001-35-2	Toxaphene	0.031	U
72-20-8	Endrin	0.0062	U	5103-74-2	y-chlordane	0.0062	U
7421-93-4	Endrin Aldehyde	0.0062	U	57-74-9	Chlordane (Total)	0.0062	U

Worksheet #: 765394

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194161.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 09:49
Operator : AH/PR/KM
Sample : AD48589-003
Misc : S,PEST
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:00:59 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.071	3.316	814.7E6	654.8E6	84.917m	87.271m
22)	DCB-Surrogate	8.297	9.392	696.9E6	547.7E6	81.810m	89.555m

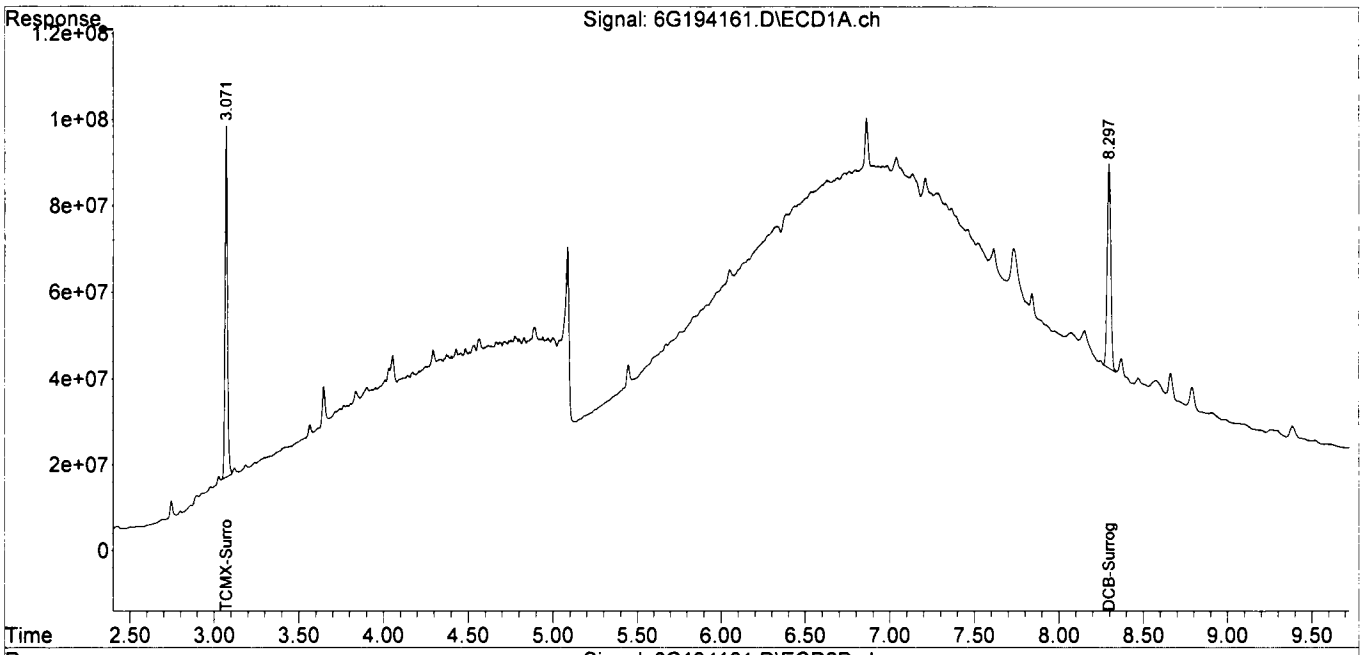
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

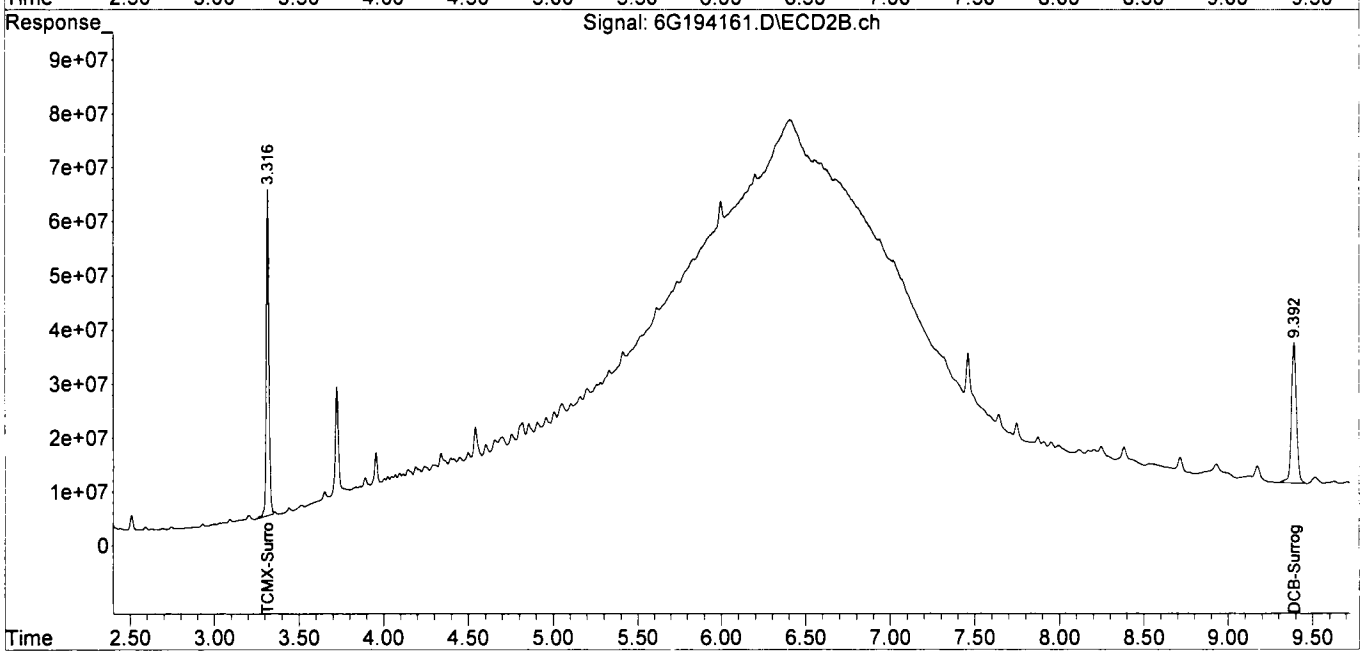
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194161.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 09:49
Operator : AH/PR/KM
Sample : AD48589-003
Misc : S,PEST
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 10:00:59 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48589-004
Client Id: SB-13-9.5-10.0'
Data File: 6G194160.D
Analysis Date: 12/13/24 09:37
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 86

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0058	U	53494-70-5	Endrin Ketone	0.0058	U
309-00-2	Aldrin	0.0058	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0058	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0058	U
319-86-8	delta-BHC	0.0058	U	72-43-5	Methoxychlor	0.0058	U
60-57-1	Dieldrin	0.0012	U	72-54-8	p,p'-DDD	0.0029	U
959-98-8	Endosulfan I	0.0058	U	72-55-9	p,p'-DDE	0.0029	U
33213-65-9	Endosulfan II	0.0058	U	50-29-3	p,p'-DDT	0.0029	U
1031-07-8	Endosulfan Sulfate	0.0058	U	8001-35-2	Toxaphene	0.029	U
72-20-8	Endrin	0.0058	U	5103-74-2	y-chlordane	0.0058	U
7421-93-4	Endrin Aldehyde	0.0058	U	57-74-9	Chlordane (Total)	0.0058	U

Worksheet #: 765394

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194160.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 09:37
Operator : AH/PR/KM
Sample : AD48589-004
Misc : S,PEST
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:55:39 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.072	3.316	856.5E6	663.1E6	89.274m	88.374m
22)	DCB-Surrogate	8.297	9.391	772.0E6	572.4E6	90.632m	93.586m

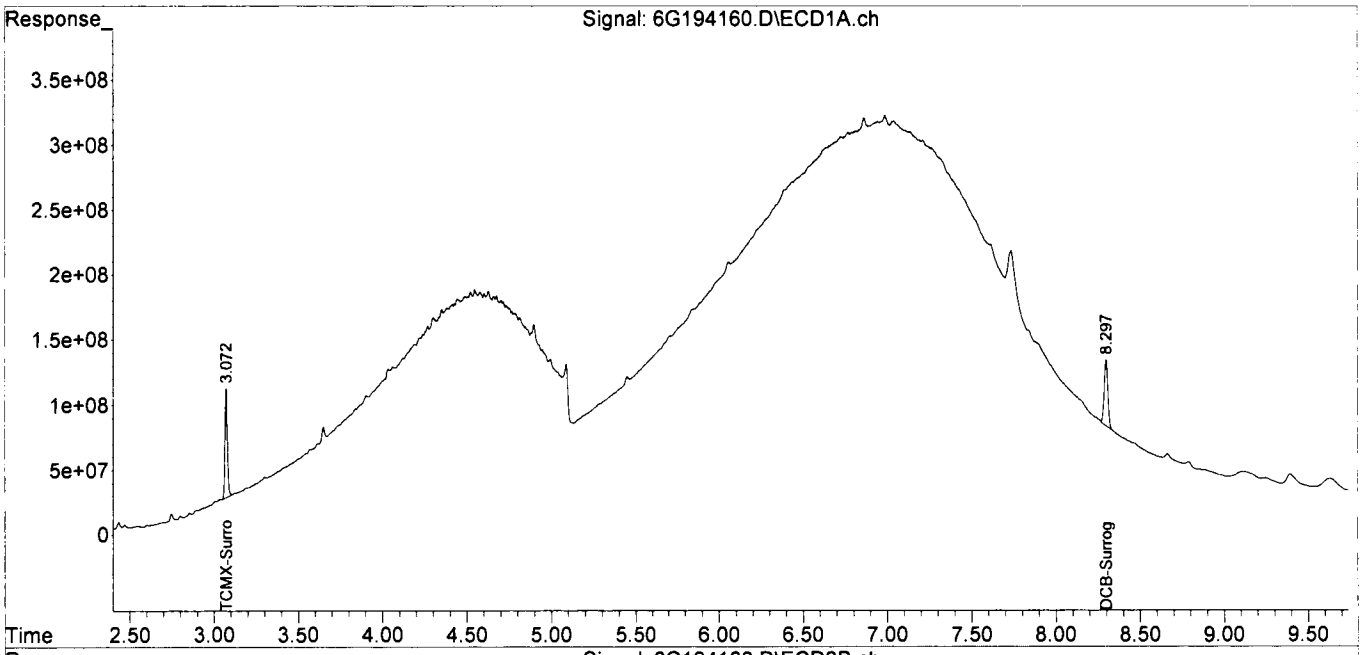
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

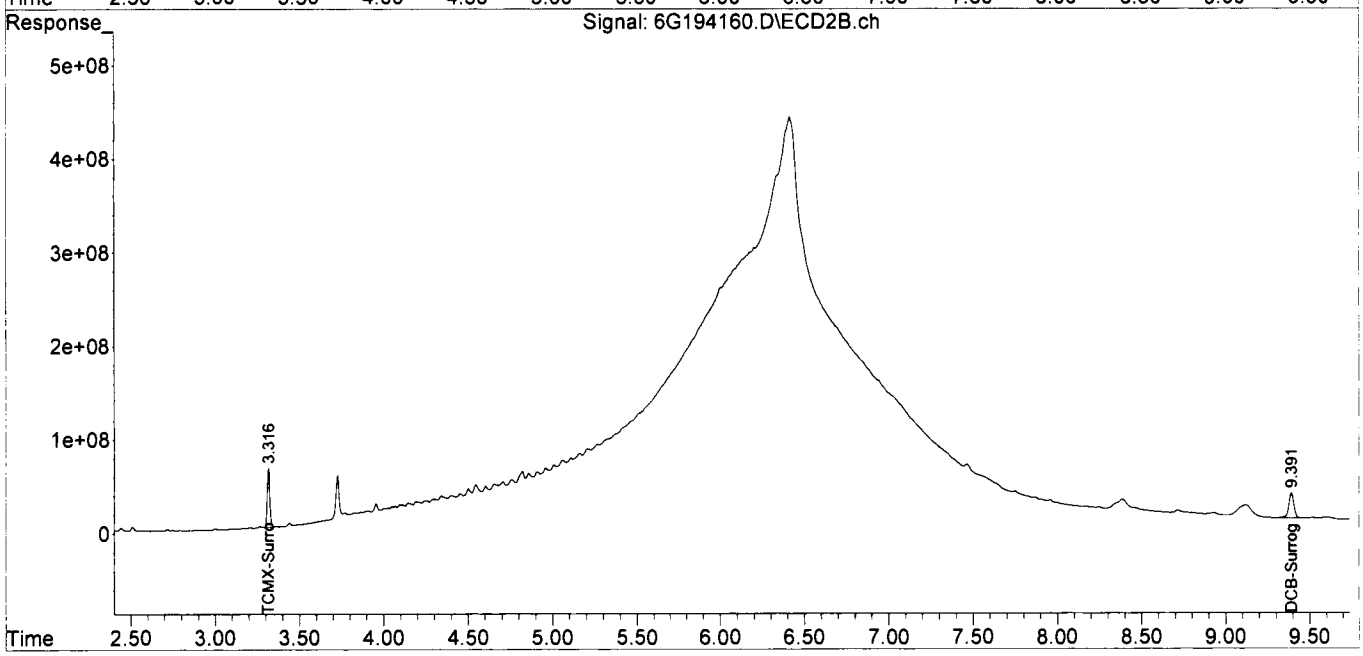
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194160.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 09:37
Operator : AH/PR/KM
Sample : AD48589-004
Misc : S,PEST
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:55:39 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48589-005
Client Id: SB-18-7.5-8.0'
Data File: 6G194159.D
Analysis Date: 12/13/24 09:25
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 78

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0064	U	53494-70-5	Endrin Ketone	0.0064	U
309-00-2	Aldrin	0.0064	U	58-89-9	gamma-BHC	0.0013	U
319-84-6	alpha-BHC	0.0013	U	76-44-8	Heptachlor	0.0064	U
319-85-7	beta-BHC	0.0013	U	1024-57-3	Heptachlor Epoxide	0.0064	U
319-86-8	delta-BHC	0.0064	U	72-43-5	Methoxychlor	0.0064	U
60-57-1	Dieldrin	0.0013	U	72-54-8	p,p'-DDD	0.0032	U
959-98-8	Endosulfan I	0.0064	U	72-55-9	p,p'-DDE	0.0032	U
33213-65-9	Endosulfan II	0.0064	U	50-29-3	p,p'-DDT	0.0032	U
1031-07-8	Endosulfan Sulfate	0.0064	U	8001-35-2	Toxaphene	0.032	U
72-20-8	Endrin	0.0064	U	5103-74-2	y-chlordane	0.0064	U
7421-93-4	Endrin Aldehyde	0.0064	U	57-74-9	Chlordane (Total)	0.0064	U

Worksheet #: 765394

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194159.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 09:25
Operator : AH/PR/KM
Sample : AD48589-005
Misc : S,PEST
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 13:31:29 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.072	3.317	764.0E6	614.9E6	79.640m	81.956m
22)	DCB-Surrogate	8.298	9.393	636.0E6	556.7E6	74.667m	91.024m

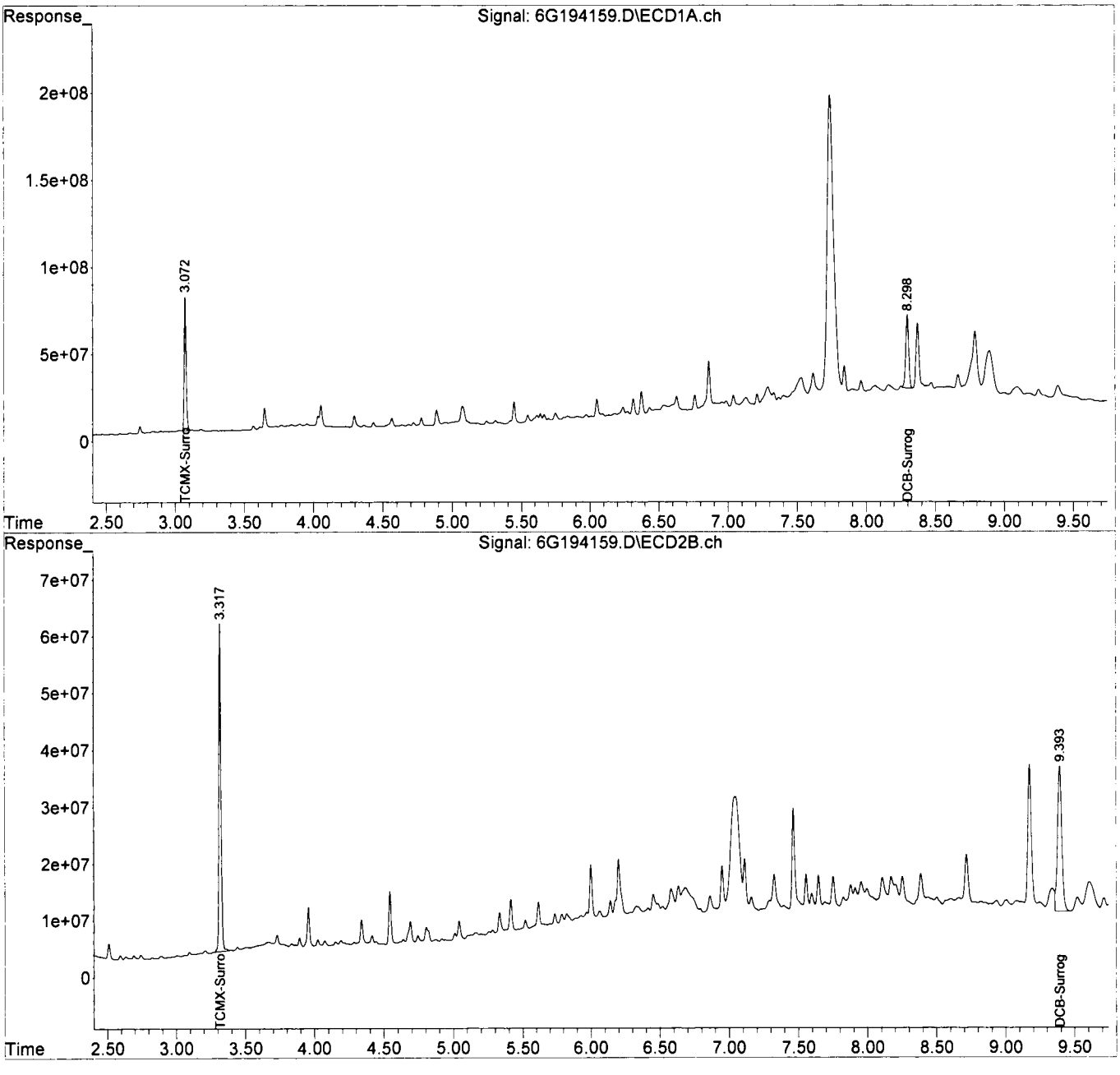
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194159.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 09:25
Operator : AH/PR/KM
Sample : AD48589-005
Misc : S,PEST
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 13:31:29 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32



Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48589-006
Client Id: SB-21-7.5-8.0'
Data File: 6G194158.D
Analysis Date: 12/13/24 09:12
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 79

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0063	U	53494-70-5	Endrin Ketone	0.0063	U
309-00-2	Aldrin	0.0063	U	58-89-9	gamma-BHC	0.0013	U
319-84-6	alpha-BHC	0.0013	U	76-44-8	Heptachlor	0.0063	U
319-85-7	beta-BHC	0.0013	U	1024-57-3	Heptachlor Epoxide	0.0063	U
319-86-8	delta-BHC	0.0063	U	72-43-5	Methoxychlor	0.0063	U
60-57-1	Dieldrin	0.0013	U	72-54-8	p,p'-DDD	0.0032	U
959-98-8	Endosulfan I	0.0063	U	72-55-9	p,p'-DDE	0.0032	U
33213-65-9	Endosulfan II	0.0063	U	50-29-3	p,p'-DDT	0.0032	U
1031-07-8	Endosulfan Sulfate	0.0063	U	8001-35-2	Toxaphene	0.032	U
72-20-8	Endrin	0.0063	U	5103-74-2	y-chlordane	0.0063	U
7421-93-4	Endrin Aldehyde	0.0063	U	57-74-9	Chlordane (Total)	0.0063	U

Worksheet #: 765394

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194158.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 09:12
Operator : AH/PR/KM
Sample : AD48589-006
Misc : S,PEST
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 13:31:15 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.072	3.317	813.8E6	621.8E6	84.822m	82.874m
22)	DCB-Surrogate	8.299	9.395	1953.1E6	1440.9E6	229.281m	235.600m

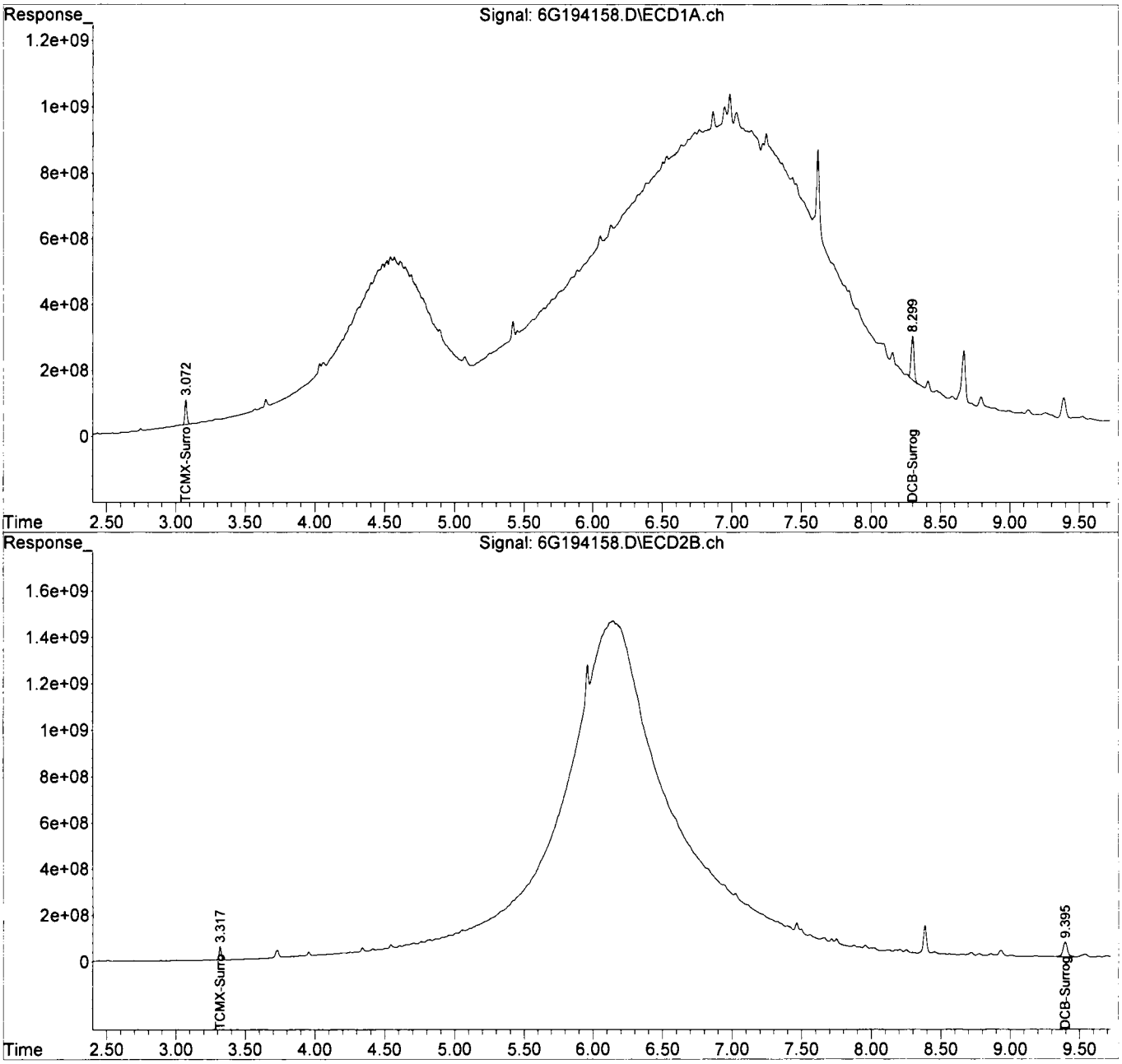
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194158.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 09:12
Operator : AH/PR/KM
Sample : AD48589-006
Misc : S,PEST
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 13:31:15 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32



Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48589-007
Client Id: SB-10-7.5-8.0'
Data File: 2G198328.D
Analysis Date: 12/13/24 08:33
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 87

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0057	U	53494-70-5	Endrin Ketone	0.0057	U
309-00-2	Aldrin	0.0057	U	58-89-9	gamma-BHC	0.0011	U
319-84-6	alpha-BHC	0.0011	U	76-44-8	Heptachlor	0.0057	U
319-85-7	beta-BHC	0.0011	U	1024-57-3	Heptachlor Epoxide	0.0057	U
319-86-8	delta-BHC	0.0057	U	72-43-5	Methoxychlor	0.0057	U
60-57-1	Dieldrin	0.0011	U	72-54-8	p,p'-DDD	0.0029	U
959-98-8	Endosulfan I	0.0057	U	72-55-9	p,p'-DDE	0.0029	U
33213-65-9	Endosulfan II	0.0057	U	50-29-3	p,p'-DDT	0.0029	U
1031-07-8	Endosulfan Sulfate	0.0057	U	8001-35-2	Toxaphene	0.029	U
72-20-8	Endrin	0.0057	U	5103-74-2	y-chlordane	0.0057	U
7421-93-4	Endrin Aldehyde	0.0057	U	57-74-9	Chlordane (Total)	0.0057	U

Worksheet #: 765394

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-13-24\
Data File : 2G198328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 08:33
Operator : AH/PR/KM
Sample : AD48589-007 (Sig #1); (Sig #2)
Misc : S,PEST
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:23:43 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2_PEST1121.M
Quant Title : @GC_2,ug,608,8081
QLast Update : Fri Nov 22 09:11:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.021	3.233	908.7E6	1269.6E6	90.525m	89.103m
22)	DCB-Surrogate	8.286	9.109	786.4E6	1082.3E6	88.418m	95.537m

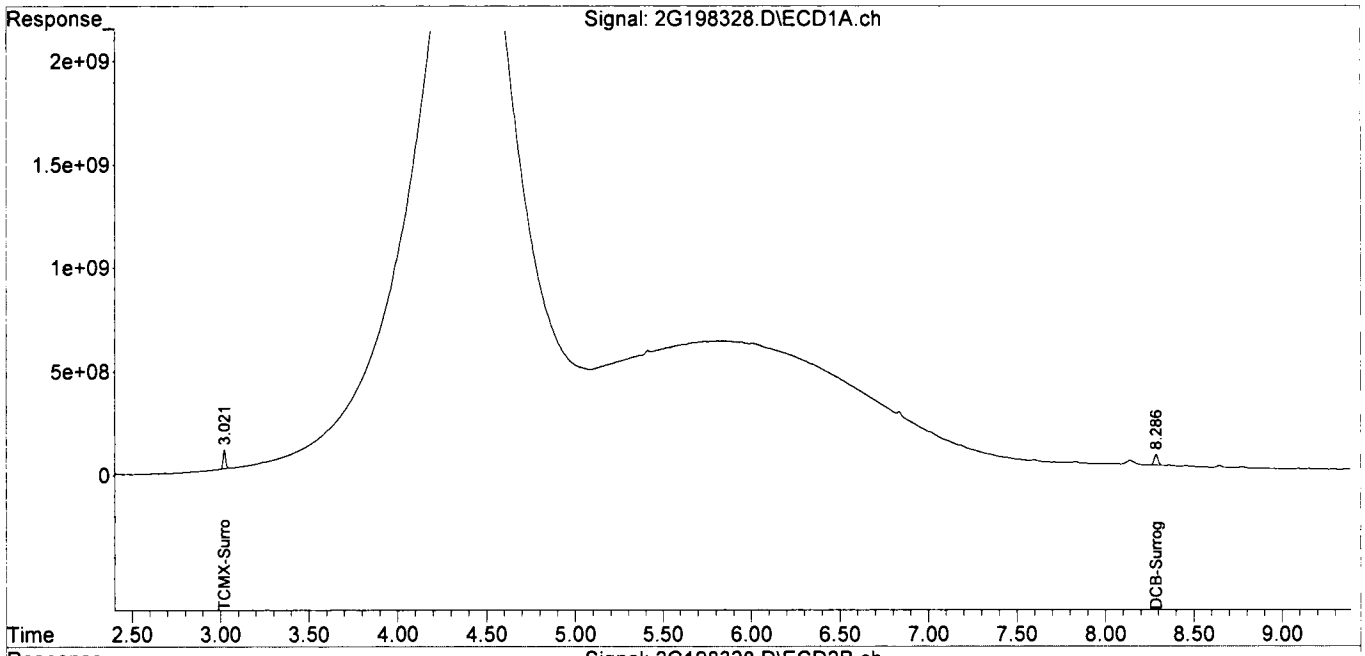
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

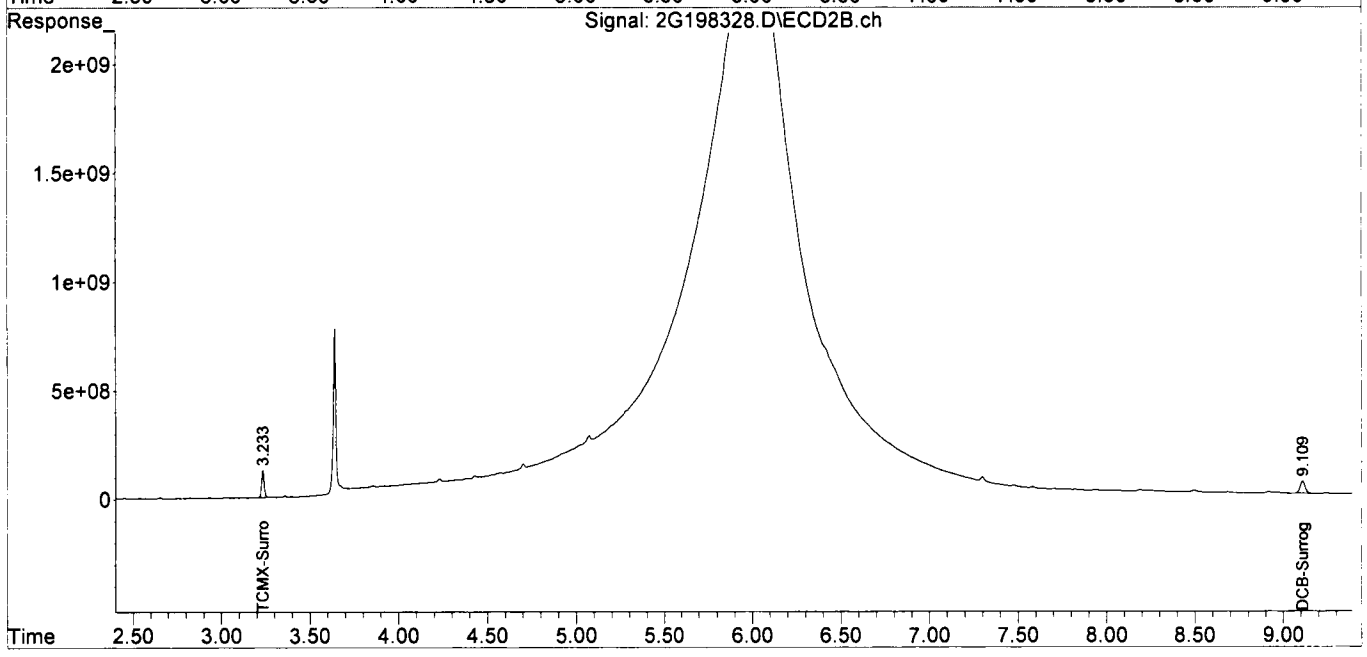
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-13-24\
Data File : 2G198328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 08:33
Operator : AH/PR/KM
Sample : AD48589-007 (Sig #1); (Sig #2)
Misc : S,PEST
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:23:43 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2_PEST1121.M
Quant Title : @GC_2,ug,608,8081
QLast Update : Fri Nov 22 09:11:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48589-008
Client Id: SB-11-7.5-8.0'
Data File: 6G194207.D
Analysis Date: 12/16/24 04:15
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 73

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0068	U	53494-70-5	Endrin Ketone	0.0068	U
309-00-2	Aldrin	0.0068	U	58-89-9	gamma-BHC	0.0014	U
319-84-6	alpha-BHC	0.0014	U	76-44-8	Heptachlor	0.0068	U
319-85-7	beta-BHC	0.0014	U	1024-57-3	Heptachlor Epoxide	0.0068	U
319-86-8	delta-BHC	0.0068	U	72-43-5	Methoxychlor	0.0068	U
60-57-1	Dieldrin	0.0014	U	72-54-8	p,p'-DDD	0.0034	U
959-98-8	Endosulfan I	0.0068	U	72-55-9	p,p'-DDE	0.0034	U
33213-65-9	Endosulfan II	0.0068	U	50-29-3	p,p'-DDT	0.0034	U
1031-07-8	Endosulfan Sulfate	0.0068	U	8001-35-2	Toxaphene	0.034	U
72-20-8	Endrin	0.0068	U	5103-74-2	y-chlordane	0.0068	U
7421-93-4	Endrin Aldehyde	0.0068	U	57-74-9	Chlordane (Total)	0.0068	U

Worksheet #: 765394

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-16-24\
Data File : 6G194207.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 04:15
Operator : AH/PR/KM
Sample : AD48589-008
Misc : S,PEST
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 09:15:45 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.073	3.317	876.2E6	695.0E6	91.328m	92.623m
22)	DCB-Surrogate	8.297	9.390	705.9E6	574.7E6	82.864m	93.975

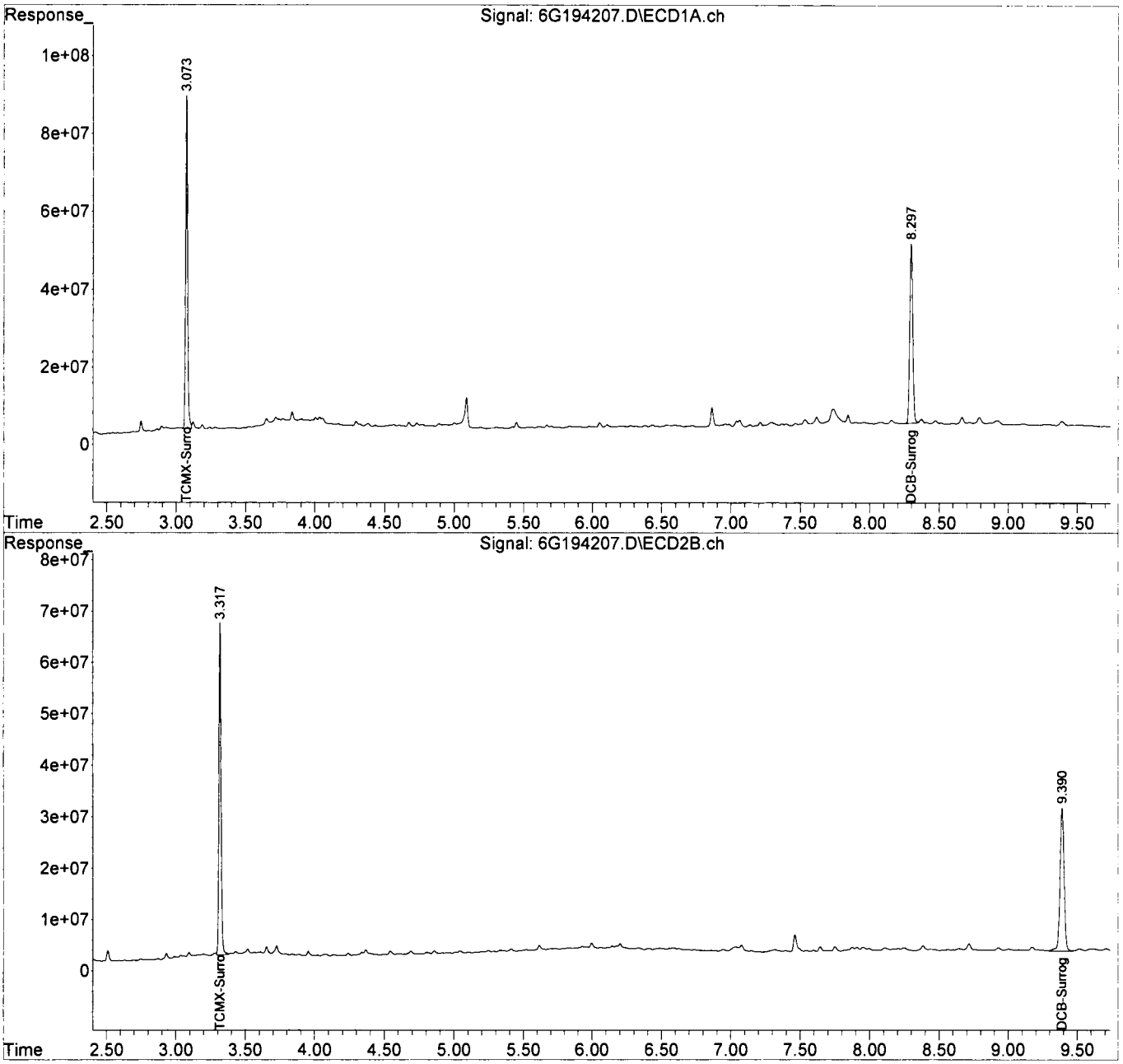
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-16-24\
Data File : 6G194207.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Dec 2024 04:15
Operator : AH/PR/KM
Sample : AD48589-008
Misc : S,PEST
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 09:15:45 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32



Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48589-009
Client Id: SB-11-7.5-8.0 DUP
Data File: 2G198327.D
Analysis Date: 12/13/24 08:21
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 79

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0063	U	53494-70-5	Endrin Ketone	0.0063	U
309-00-2	Aldrin	0.0063	U	58-89-9	gamma-BHC	0.0013	U
319-84-6	alpha-BHC	0.0013	U	76-44-8	Heptachlor	0.0063	U
319-85-7	beta-BHC	0.0013	U	1024-57-3	Heptachlor Epoxide	0.0063	U
319-86-8	delta-BHC	0.0063	U	72-43-5	Methoxychlor	0.0063	U
60-57-1	Dieldrin	0.0013	U	72-54-8	p,p'-DDD	0.0032	U
959-98-8	Endosulfan I	0.0063	U	72-55-9	p,p'-DDE	0.0032	U
33213-65-9	Endosulfan II	0.0063	U	50-29-3	p,p'-DDT	0.0032	U
1031-07-8	Endosulfan Sulfate	0.0063	U	8001-35-2	Toxaphene	0.032	U
72-20-8	Endrin	0.0063	U	5103-74-2	y-chlordane	0.0063	U
7421-93-4	Endrin Aldehyde	0.0063	U	57-74-9	Chlordane (Total)	0.0063	U

Worksheet #: 765394

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-13-24\
Data File : 2G198327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 08:21
Operator : AH/PR/KM
Sample : AD48589-009 (Sig #1); (Sig #2)
Misc : S,PEST
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:23:08 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2_PEST1121.M
Quant Title : @GC_2,ug,608,8081
QLast Update : Fri Nov 22 09:11:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.026	3.233	864.5E6	1194.1E6	86.121m	83.801m
22)	DCB-Surrogate	8.291	9.109	720.2E6	1020.0E6	80.979m	90.042m

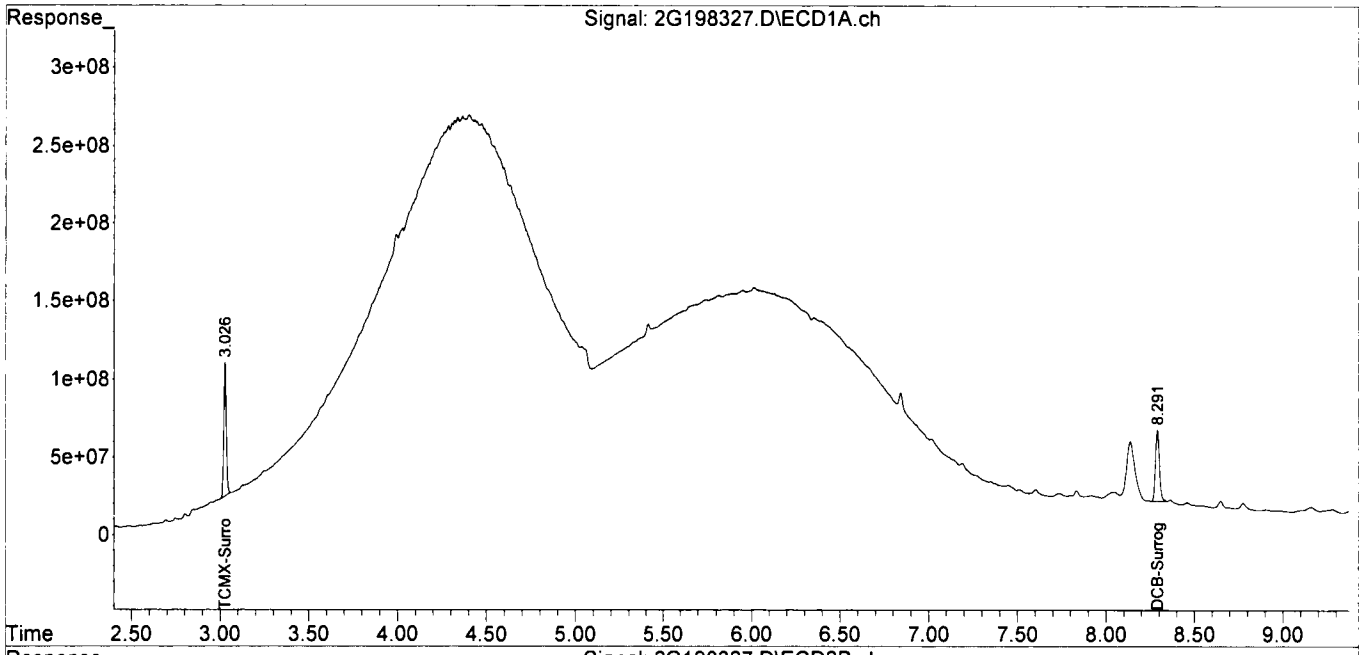
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

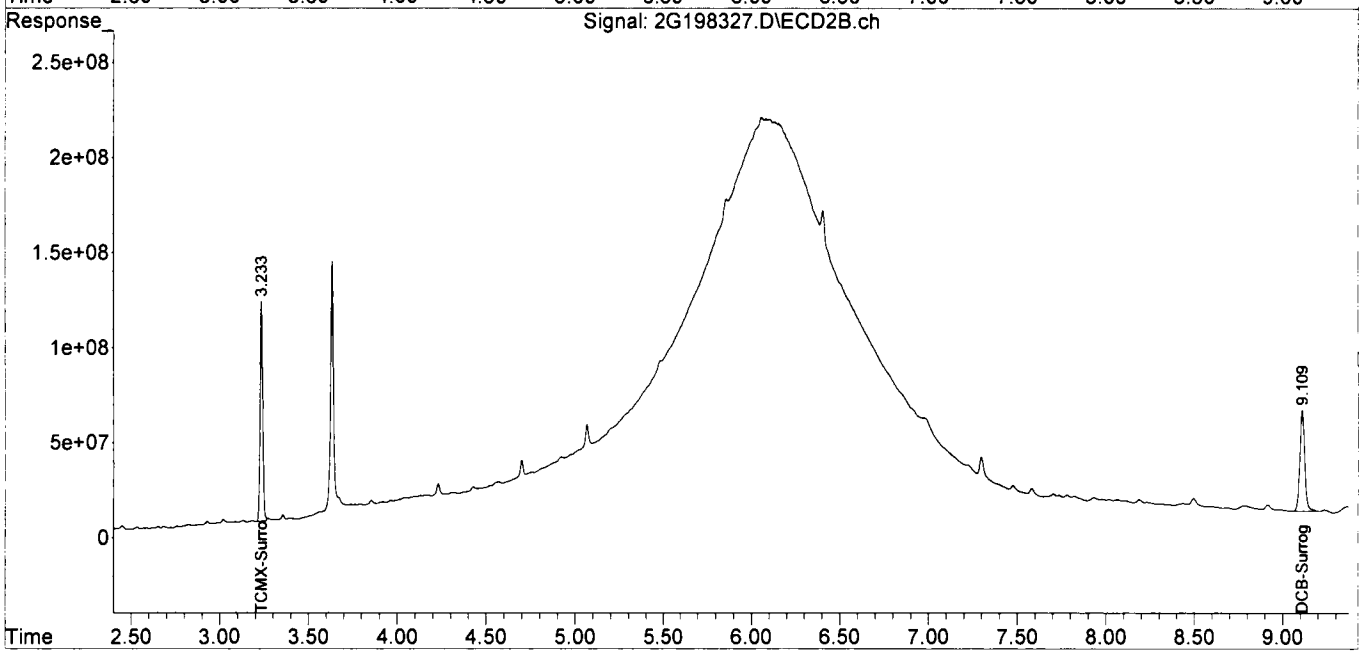
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-13-24\
Data File : 2G198327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 08:21
Operator : AH/PR/KM
Sample : AD48589-009 (Sig #1); (Sig #2)
Misc : S,PEST
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:23:08 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2_PEST1121.M
Quant Title : @GC_2,ug,608,8081
QLast Update : Fri Nov 22 09:11:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48589-010
Client Id: SB-17-7.5-8.0'
Data File: 2G198326.D
Analysis Date: 12/13/24 08:09
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 83

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0060	U	53494-70-5	Endrin Ketone	0.0060	U
309-00-2	Aldrin	0.0060	U	58-89-9	gamma-BHC	0.0012	U
319-84-6	alpha-BHC	0.0012	U	76-44-8	Heptachlor	0.0060	U
319-85-7	beta-BHC	0.0012	U	1024-57-3	Heptachlor Epoxide	0.0060	U
319-86-8	delta-BHC	0.0060	U	72-43-5	Methoxychlor	0.0060	U
60-57-1	Dieldrin	0.0012	U	72-54-8	p,p'-DDD	0.0030	U
959-98-8	Endosulfan I	0.0060	U	72-55-9	p,p'-DDE	0.0030	U
33213-65-9	Endosulfan II	0.0060	U	50-29-3	p,p'-DDT	0.0030	U
1031-07-8	Endosulfan Sulfate	0.0060	U	8001-35-2	Toxaphene	0.030	U
72-20-8	Endrin	0.0060	U	5103-74-2	y-chlordane	0.0060	U
7421-93-4	Endrin Aldehyde	0.0060	U	57-74-9	Chlordane (Total)	0.0060	U

Worksheet #: 765394

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-13-24\
Data File : 2G198326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 08:09
Operator : AH/PR/KM
Sample : AD48589-010 (Sig #1); (Sig #2)
Misc : S,PEST
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 13:29:55 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2_PEST1121.M
Quant Title : @GC_2,ug,608,8081
QLast Update : Fri Nov 22 09:11:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

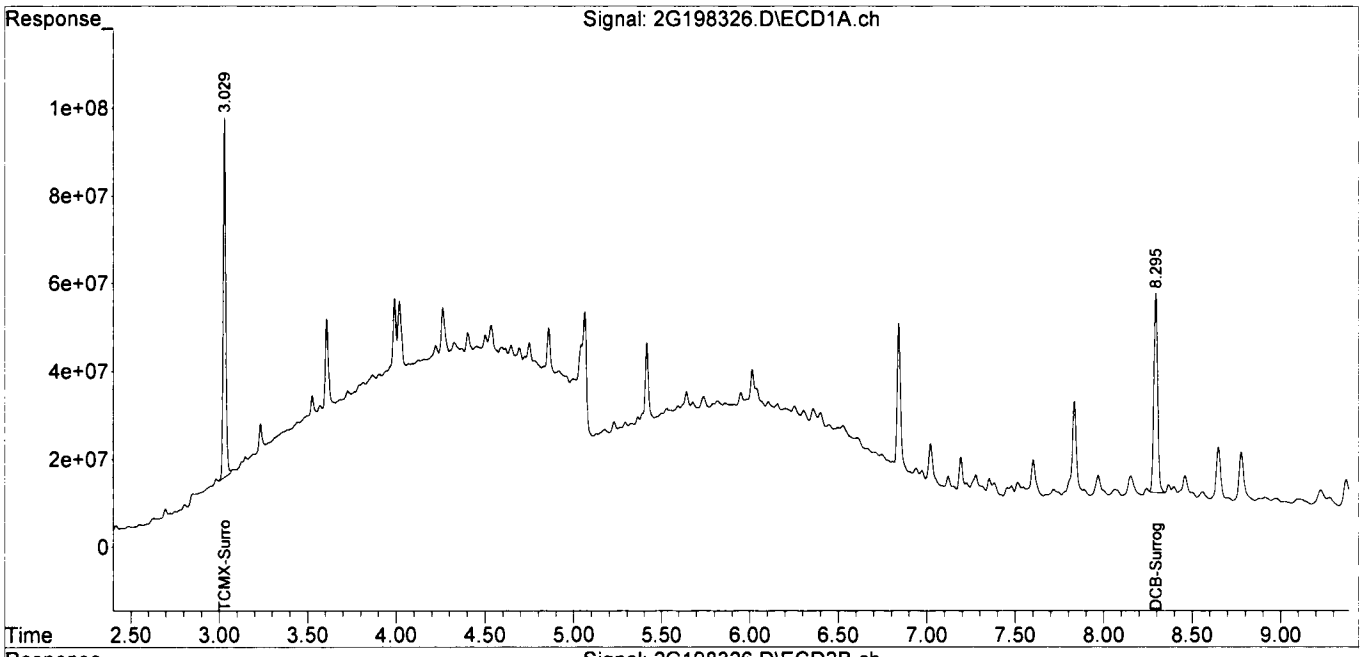
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.029	3.233	833.4E6	1163.9E6	83.030m	81.682m
22)	DCB-Surrogate	8.295	9.112	679.5E6	1044.0E6	76.409m	92.156

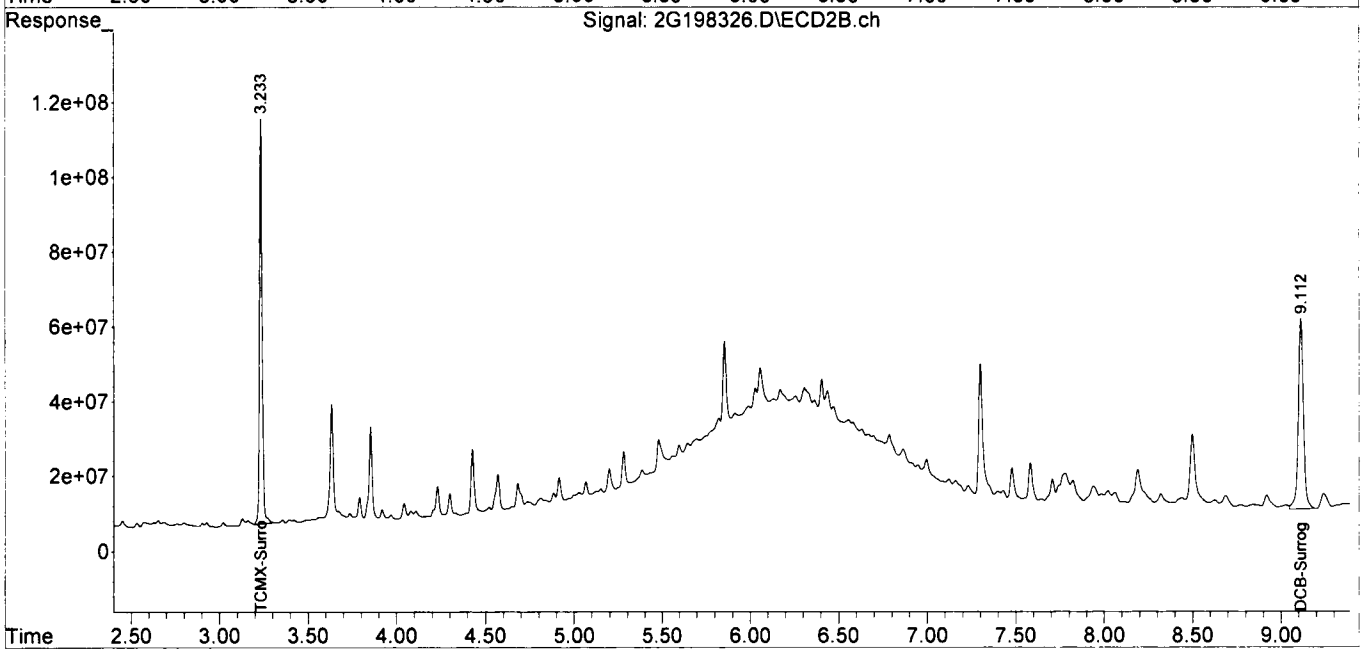
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-13-24\
Data File : 2G198326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 08:09
Operator : AH/PR/KM
Sample : AD48589-010 (Sig #1); (Sig #2)
Misc : S,PEST
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 13:29:55 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2_PEST1121.M
Quant Title : @GC_2,ug,608,8081
QLast Update : Fri Nov 22 09:11:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48589-011
Client Id: SB-22-7.5-8.0'
Data File: 2G198331.D
Analysis Date: 12/13/24 09:08
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 94

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0053	U	53494-70-5	Endrin Ketone	0.0053	U
309-00-2	Aldrin	0.0053	U	58-89-9	gamma-BHC	0.0011	U
319-84-6	alpha-BHC	0.0011	U	76-44-8	Heptachlor	0.0053	U
319-85-7	beta-BHC	0.0011	U	1024-57-3	Heptachlor Epoxide	0.0053	U
319-86-8	delta-BHC	0.0053	U	72-43-5	Methoxychlor	0.0053	U
60-57-1	Dieldrin	0.0011	U	72-54-8	p,p'-DDD	0.0027	U
959-98-8	Endosulfan I	0.0053	U	72-55-9	p,p'-DDE	0.0027	U
33213-65-9	Endosulfan II	0.0053	U	50-29-3	p,p'-DDT	0.0027	U
1031-07-8	Endosulfan Sulfate	0.0053	U	8001-35-2	Toxaphene	0.027	U
72-20-8	Endrin	0.0053	U	5103-74-2	y-chlordane	0.0053	U
7421-93-4	Endrin Aldehyde	0.0053	U	57-74-9	Chlordane (Total)	0.0053	U

Worksheet #: 765394

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-13-24\
Data File : 2G198331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 09:08
Operator : AH/PR/KM
Sample : AD48589-011 (Sig #1); (Sig #2)
Misc : S,PEST
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:26:53 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2_PEST1121.M
Quant Title : @GC_2,ug,608,8081
QLast Update : Fri Nov 22 09:11:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

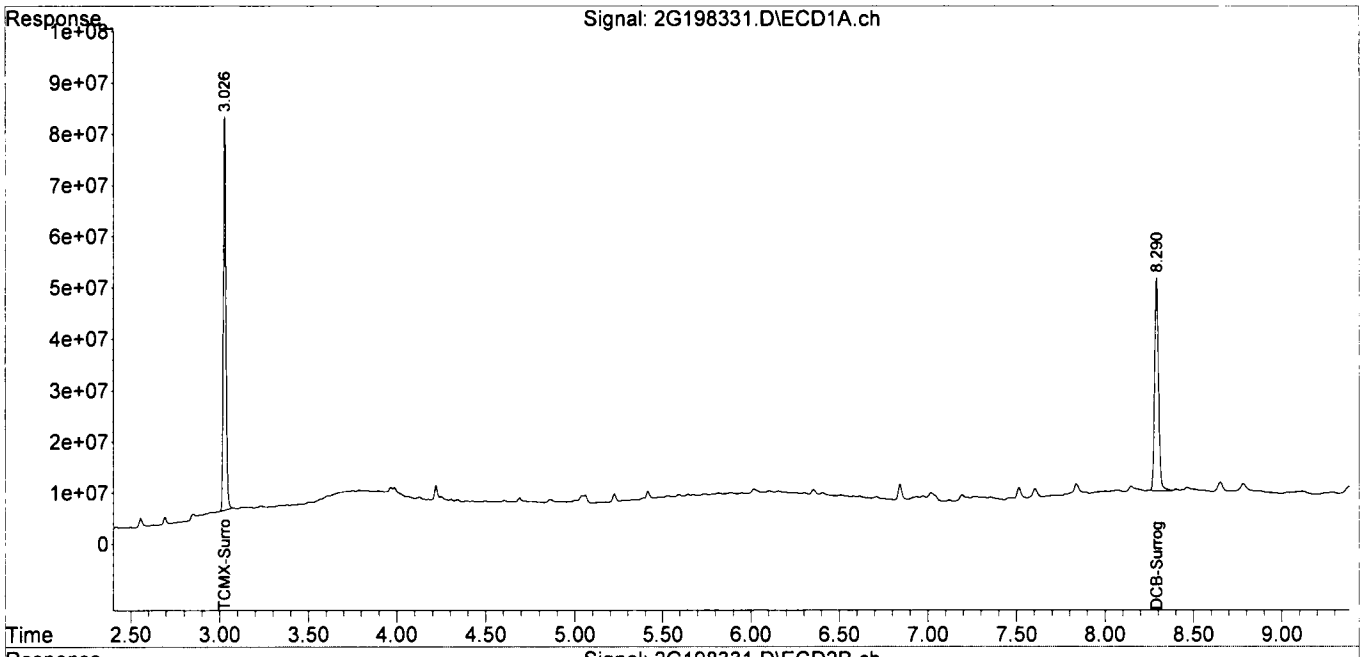
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.026	3.234	797.5E6	1135.7E6	79.449m	79.702m
22)	DCB-Surrogate	8.290	9.108	647.6E6	897.4E6	72.821m	79.222m

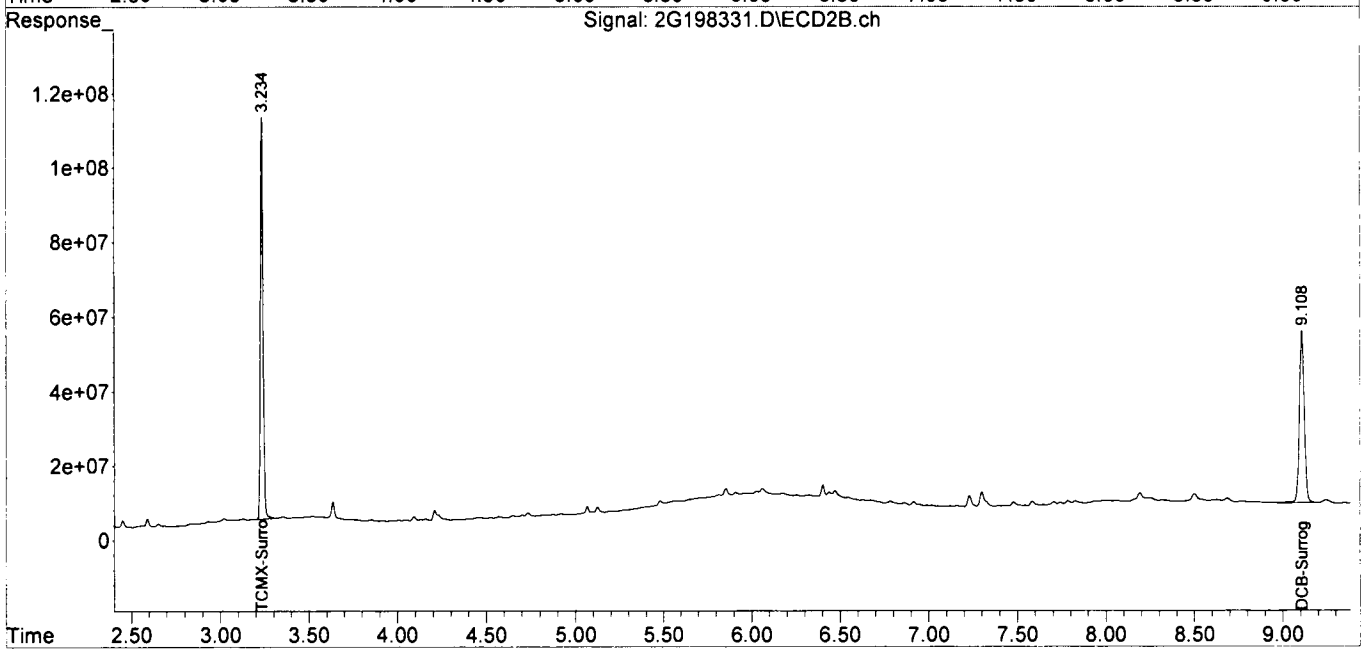
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_2\Data\12-13-24\
Data File : 2G198331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 09:08
Operator : AH/PR/KM
Sample : AD48589-011 (Sig #1); (Sig #2)
Misc : S,PEST
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 09:26:53 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2_PEST1121.M
Quant Title : @GC_2,ug,608,8081
QLast Update : Fri Nov 22 09:11:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48589-016
Client Id: TWP-10 U
Data File: 6G194183.D
Analysis Date: 12/13/24 14:21
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Aqueous
Initial Vol: 500ml
Final Vol: 2.5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.010	U	53494-70-5	Endrin Ketone	0.010	U
309-00-2	Aldrin	0.010	U	58-89-9	gamma-BHC	0.010	U
319-84-6	alpha-BHC	0.010	U	76-44-8	Heptachlor	0.010	U
319-85-7	beta-BHC	0.010	U	1024-57-3	Heptachlor Epoxide	0.010	U
319-86-8	delta-BHC	0.010	U	72-43-5	Methoxychlor	0.010	U
60-57-1	Dieldrin	0.010	U	72-54-8	p,p'-DDD	0.010	U
959-98-8	Endosulfan I	0.010	U	72-55-9	p,p'-DDE	0.010	U
33213-65-9	Endosulfan II	0.010	U	50-29-3	p,p'-DDT	0.010	U
1031-07-8	Endosulfan Sulfate	0.010	U	8001-35-2	Toxaphene	0.25	U
72-20-8	Endrin	0.010	U	5103-74-2	y-chlordane	0.010	U
7421-93-4	Endrin Aldehyde	0.010	U	57-74-9	Chlordane (Total)	0.010	U

Worksheet #: 765399

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 14:21
Operator : AH/PR/KM
Sample : AD48589-016
Misc : A,PEST
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 14:49:40 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

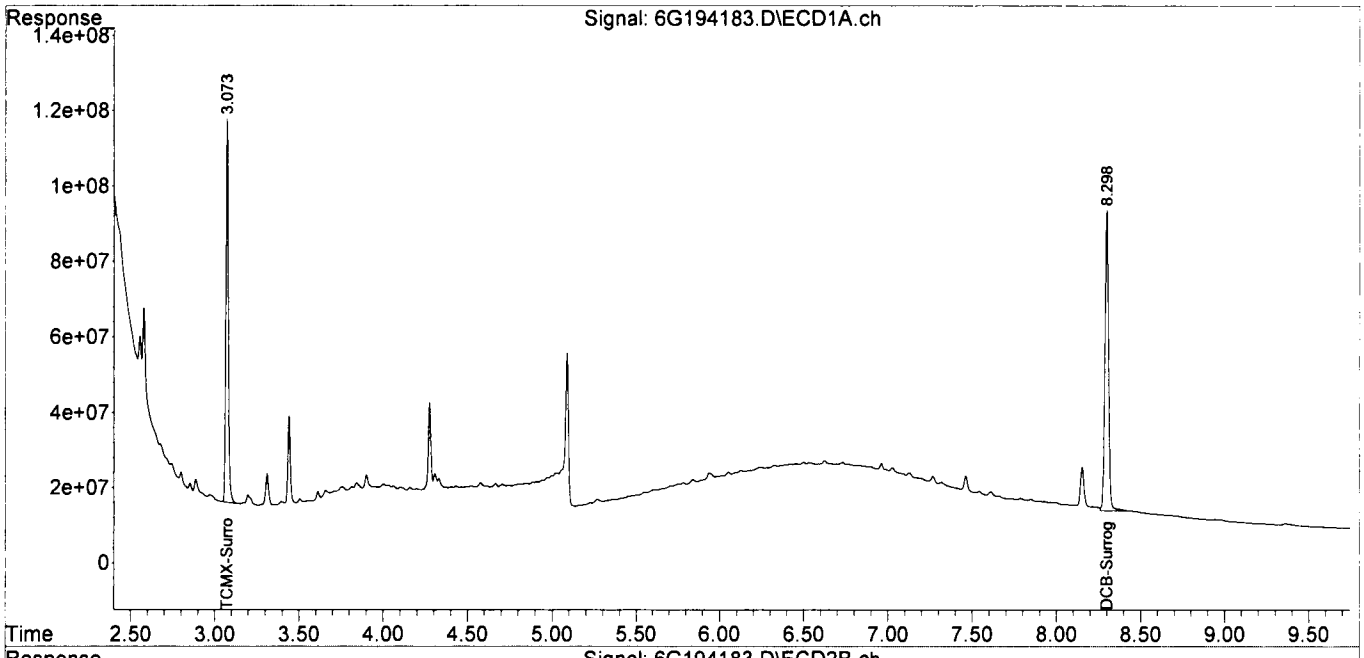
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.073	3.318	1055.8E6	893.5E6	110.054	119.085
22)	DCB-Surrogate	8.298	9.392	1214.2E6	900.5E6	142.542	147.247

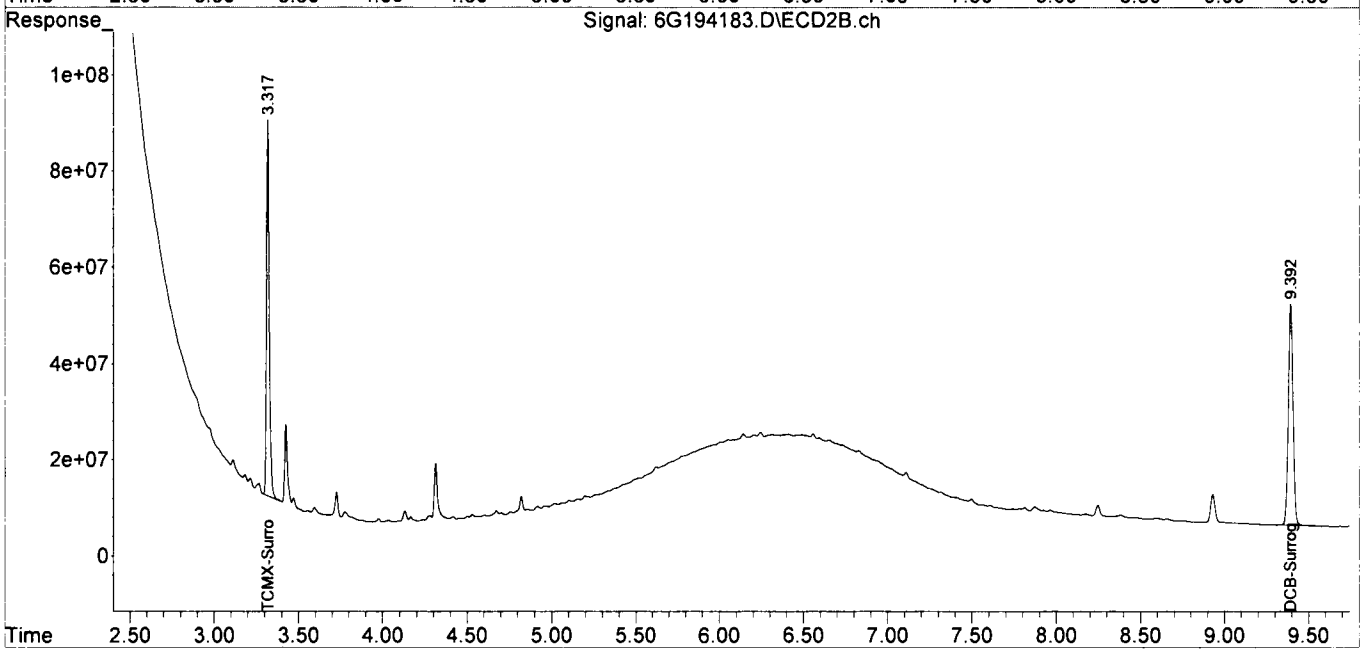
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194183.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 14:21
Operator : AH/PR/KM
Sample : AD48589-016
Misc : A,PEST
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 14:49:40 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48589-018
Client Id: TWP-12 U
Data File: 6G194184.D
Analysis Date: 12/13/24 14:33
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.010	U	53494-70-5	Endrin Ketone	0.010	U
309-00-2	Aldrin	0.010	U	58-89-9	gamma-BHC	0.010	U
319-84-6	alpha-BHC	0.010	U	76-44-8	Heptachlor	0.010	U
319-85-7	beta-BHC	0.010	U	1024-57-3	Heptachlor Epoxide	0.010	U
319-86-8	delta-BHC	0.010	U	72-43-5	Methoxychlor	0.010	U
60-57-1	Dieldrin	0.010	U	72-54-8	p,p'-DDD	0.010	U
959-98-8	Endosulfan I	0.010	U	72-55-9	p,p'-DDE	0.010	U
33213-65-9	Endosulfan II	0.010	U	50-29-3	p,p'-DDT	0.010	U
1031-07-8	Endosulfan Sulfate	0.010	U	8001-35-2	Toxaphene	0.25	U
72-20-8	Endrin	0.010	U	5103-74-2	y-chlordane	0.010	U
7421-93-4	Endrin Aldehyde	0.010	U	57-74-9	Chlordane (Total)	0.010	U

Worksheet #: 765399

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 14:33
Operator : AH/PR/KM
Sample : AD48589-018
Misc : A,PEST
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 14:06:06 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.072	3.317	620.4E6	508.7E6	64.665	67.801
22)	DCB-Surrogate	8.297	9.394	613.9E6	473.4E6	72.073	77.412

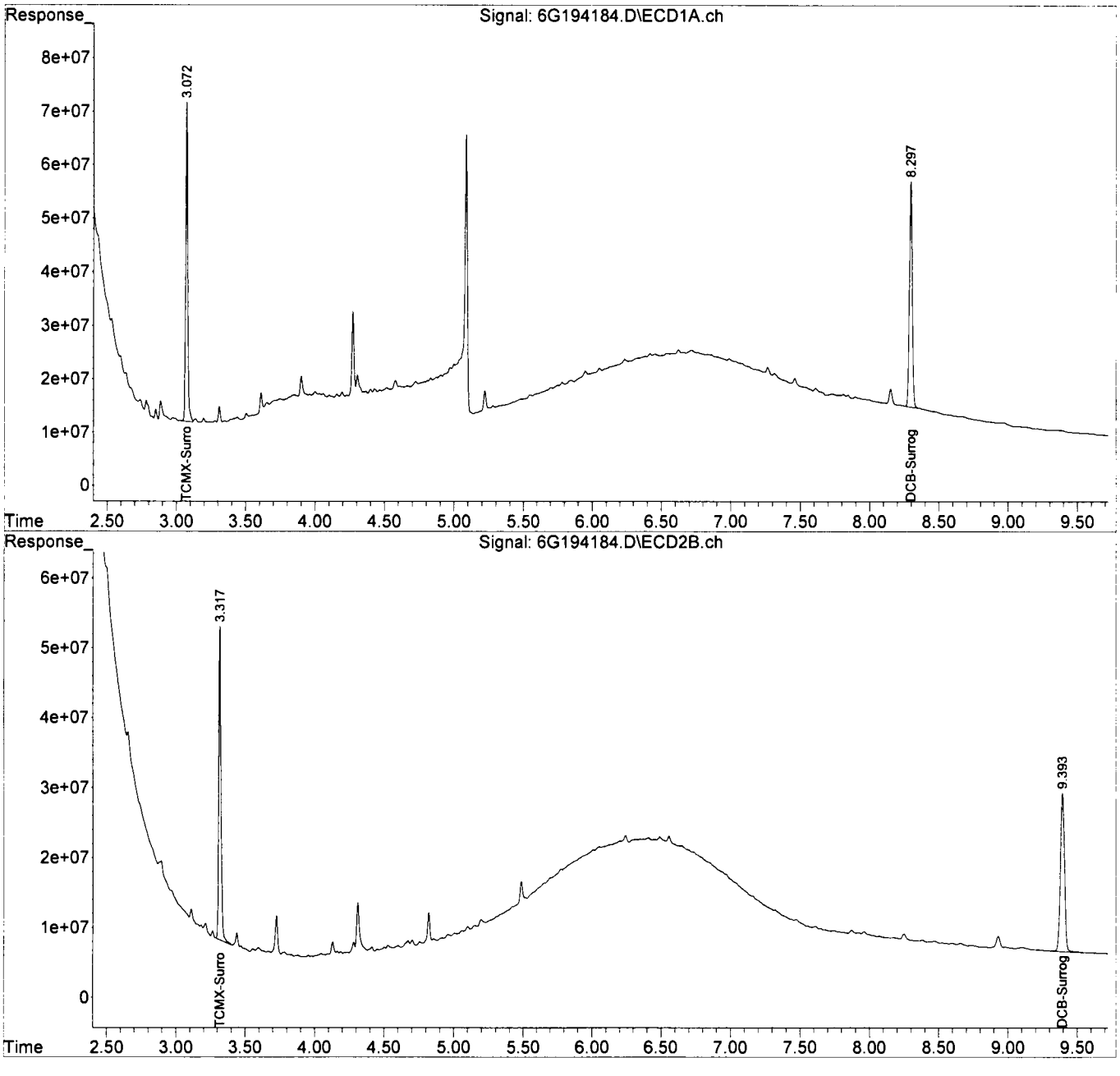
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194184.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 14:33
Operator : AH/PR/KM
Sample : AD48589-018
Misc : A,PEST
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 14:06:06 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32



Form1

ORGANICS PESTICIDE REPORT

Sample Number: AD48589-020
Client Id: TWP-21-U
Data File: 6G194185.D
Analysis Date: 12/13/24 14:45
Date Rec/Extracted: 12/09/24-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.010	U	53494-70-5	Endrin Ketone	0.010	U
309-00-2	Aldrin	0.010	U	58-89-9	gamma-BHC	0.010	U
319-84-6	alpha-BHC	0.010	U	76-44-8	Heptachlor	0.010	U
319-85-7	beta-BHC	0.010	U	1024-57-3	Heptachlor Epoxide	0.010	U
319-86-8	delta-BHC	0.010	U	72-43-5	Methoxychlor	0.010	U
60-57-1	Dieldrin	0.010	U	72-54-8	p,p'-DDD	0.010	U
959-98-8	Endosulfan I	0.010	U	72-55-9	p,p'-DDE	0.010	U
33213-65-9	Endosulfan II	0.010	U	50-29-3	p,p'-DDT	0.010	U
1031-07-8	Endosulfan Sulfate	0.010	U	8001-35-2	Toxaphene	0.25	U
72-20-8	Endrin	0.010	U	5103-74-2	y-chlordane	0.010	U
7421-93-4	Endrin Aldehyde	0.010	U	57-74-9	Chlordane (Total)	0.010	U

Worksheet #: 765399

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 14:45
Operator : AH/PR/KM
Sample : AD48589-020
Misc : A,PEST
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 15:00:13 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.054	3.299	767.9E6	679.8E6	80.045	90.604
22)	DCB-Surrogate	8.279	9.372	797.7E6	558.4E6	93.649	91.302

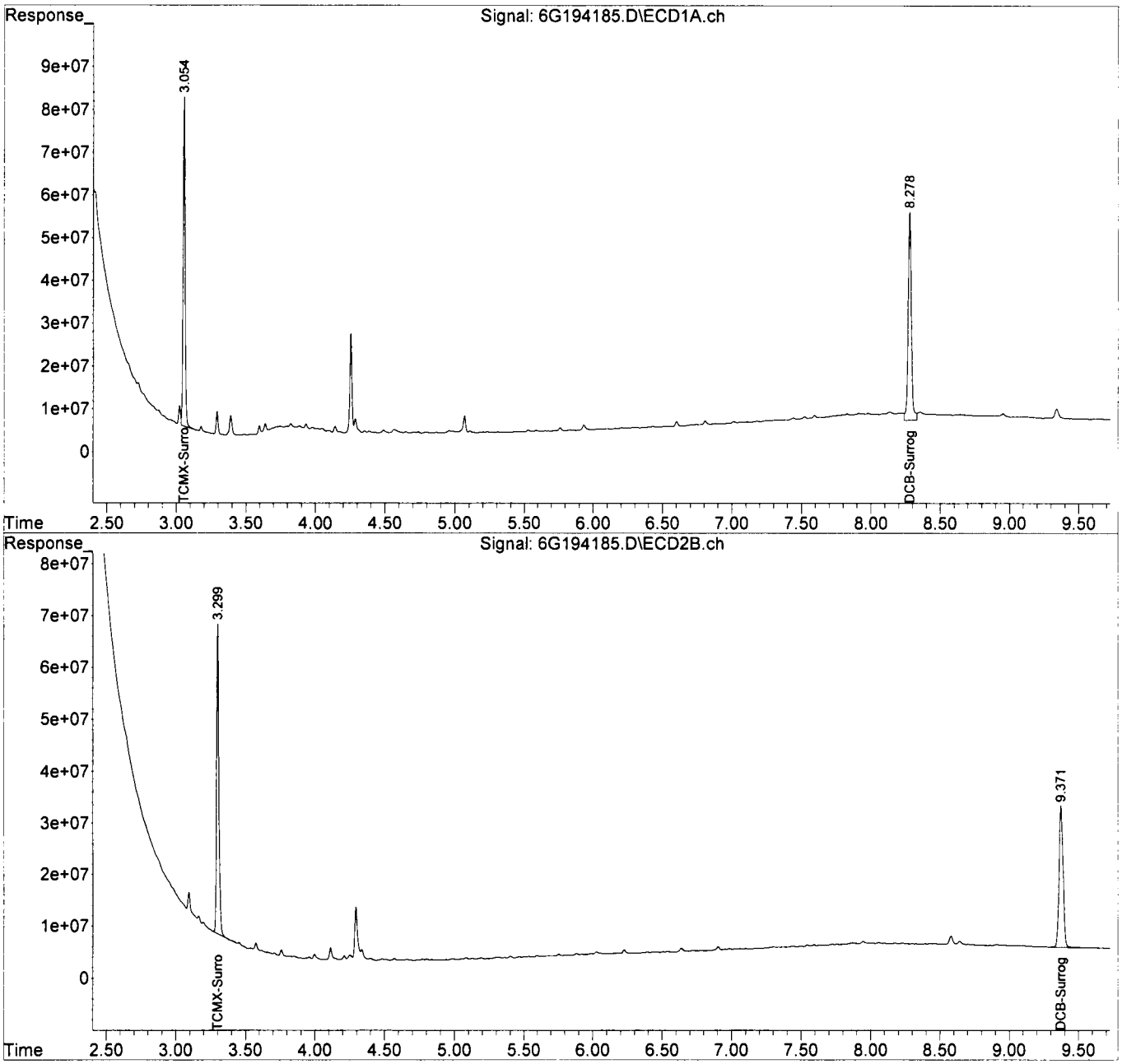
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 14:45
Operator : AH/PR/KM
Sample : AD48589-020
Misc : A,PEST
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 15:00:13 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32



Form1

ORGANICS PETROLEUM HYDROCARBON REPORT

Sample Number: AD48589-012
Client Id: SB-22-COMP
Data File: 8G675929.D
Analysis Date: 12/17/24 11:22
Date Rec/Extracted: 12/09/24-12/16/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8015D
Matrix: Soil
Initial Vol: 5g
Final Vol: 1ml
Dilution: 1
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phchpd2	**Diesel Range Organics**	67	120				

Worksheet #: 765708 *Total Target Concentration* 120 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_8\Data\12-17-24\
Data File : 8G675929.D
Signal(s) : FID1A.CH
Acq On : 17-Dec-24, 11:22:51
Operator : AH/ABM/KT/JR
Sample : AD48589-012
Misc : S,TPH
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 17 13:43:52 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

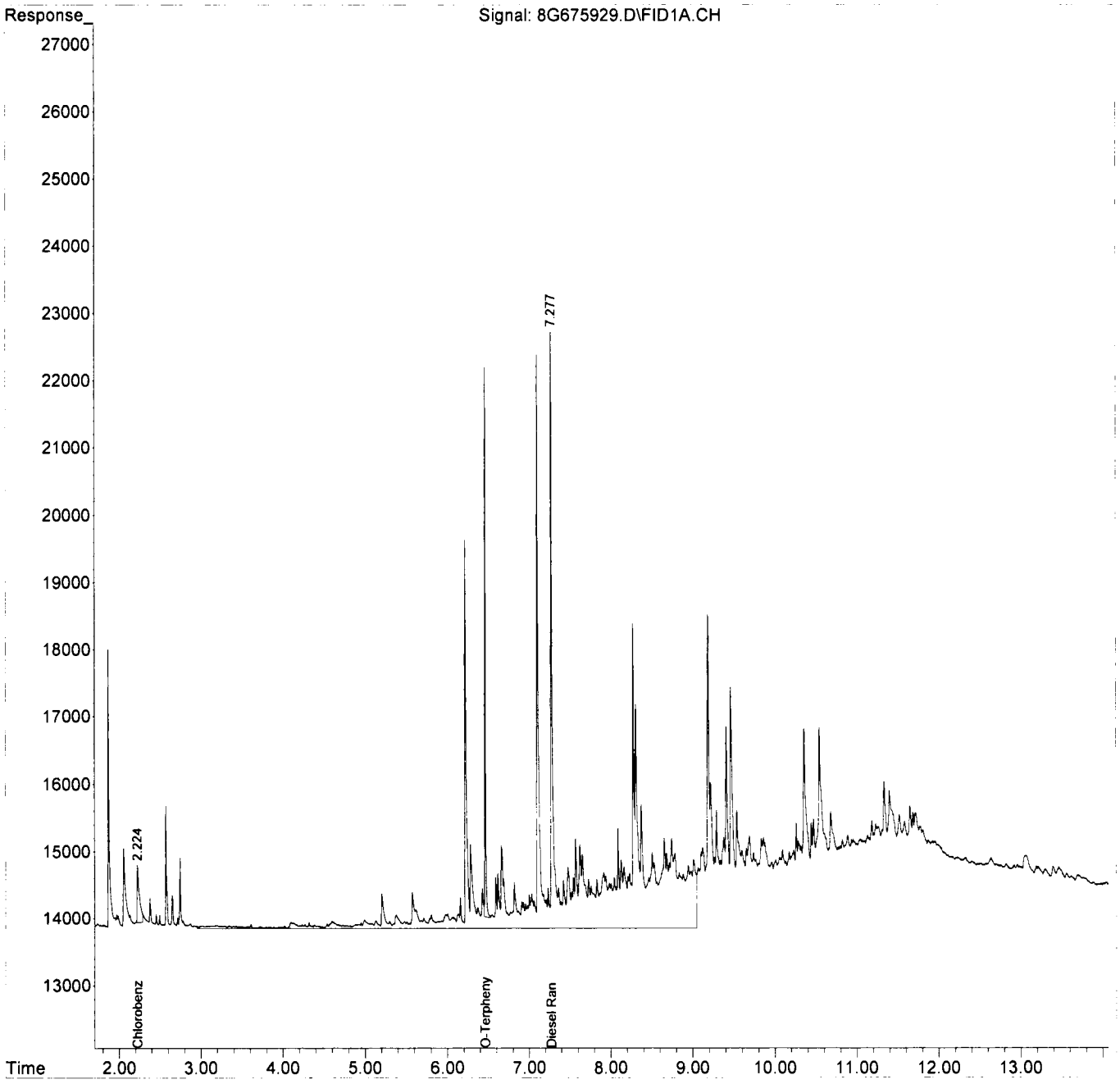
	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)mt	C8	0.000	0	N.D.		d
2)mte	C9	0.000	0	N.D.		d
3)mdte	C10	0.000	0	N.D.		d
4)mdte	C12	0.000	0	N.D.		d
5)mdte	C14	0.000	0	N.D.		d
6)dte	C16	0.000	0	N.D.		d
7)dte	C17	0.000	0	N.D.		d
8)dte	Pristane	0.000	0	N.D.		d
9)dte	C18	0.000	0	N.D.		d
10)dte	Phytane	0.000	0	N.D.		d
11)dte	C20	0.000	0	N.D.		d
12)dte	C22	0.000	0	N.D.		d
13)dte	C24	0.000	0	N.D.		d
14)dte	C26	0.000	0	N.D.		d
15)dte	C28	0.000	0	N.D.		d
16)te	C30	0.000	0	N.D.		d
17)te	C32	0.000	0	N.D.		d
18)te	C34	0.000	0	N.D.		d
19)te	C36	0.000	0	N.D.		d
20)t	C40	0.000	0	N.D.		d
21)	Chlorobenzene	2.224	17031	9.162		m
22)	O-Terphenyl	6.465	53587	17.496		
23)d	Diesel Range Organics(T	7.277f	1537071	614.251		m
24)t	Total Petroleum Hydroca	0.000	0	N.D.		d
25)e	Ext. Petroleum Hydrocar	0.000	0	N.D.		d
26)m	Mineral Spirits(TOTAL)	0.000	0	N.D.		d
27)m	Stoddard Solvent(TOTAL)	0.000	0	N.D.		d

(f)=RT Delta > 1/2 Window (m)=manual int.

Data Path : G:\Gcdata\2024\GC_8\Data\12-17-24\
Data File : 8G675929.D
Signal(s) : FID1A.CH
Acq On : 17-Dec-24, 11:22:51
Operator : AH/ABM/KT/JR
Sample : AD48589-012
Misc : S,TPH
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 17 13:43:52 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :



Form1

ORGANICS PETROLEUM HYDROCARBON REPORT

Sample Number: AD48589-013
Client Id: SB-17-COMP
Data File: 8G675930.D
Analysis Date: 12/17/24 11:45
Date Rec/Extracted: 12/09/24-12/16/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8015D
Matrix: Soil
Initial Vol: 5g
Final Vol: 1ml
Dilution: 1
Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phchpd2	**Diesel Range Organics**	**71**	**980**				

Worksheet #: 765708

Total Target Concentration 980

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_8\Data\12-17-24\
Data File : 8G675930.D
Signal(s) : FID1A.CH
Acq On : 17-Dec-24, 11:45:18
Operator : AH/ABM/KT/JR
Sample : AD48589-013
Misc : S,TPH
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 17 13:44:27 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)mt	C8	0.000	0	N.D.		d
2)mte	C9	0.000	0	N.D.		d
3)mdte	C10	0.000	0	N.D.		d
4)mdte	C12	0.000	0	N.D.		d
5)mdte	C14	0.000	0	N.D.		d
6)dte	C16	0.000	0	N.D.		d
7)dte	C17	0.000	0	N.D.		d
8)dte	Pristane	0.000	0	N.D.		d
9)dte	C18	0.000	0	N.D.		d
10)dte	Phytane	0.000	0	N.D.		d
11)dte	C20	0.000	0	N.D.		d
12)dte	C22	0.000	0	N.D.		d
13)dte	C24	0.000	0	N.D.		d
14)dte	C26	0.000	0	N.D.		d
15)dte	C28	0.000	0	N.D.		d
16)te	C30	0.000	0	N.D.		d
17)te	C32	0.000	0	N.D.		d
18)te	C34	0.000	0	N.D.		d
19)te	C36	0.000	0	N.D.		d
20)t	C40	0.000	0	N.D.		d
21)	Chlorobenzene	2.224	12347	6.642		
22)	O-Terphenyl	6.463	48001	15.672		
23)d	Diesel Range Organics(T	6.462f	10432716	4169.170		m
24)t	Total Petroleum Hydroca	0.000	0	N.D.		d
25)e	Ext. Petroleum Hydrocar	0.000	0	N.D.		d
26)m	Mineral Spirits(TOTAL)	0.000	0	N.D.		d
27)m	Stoddard Solvent(TOTAL)	0.000	0	N.D.		d

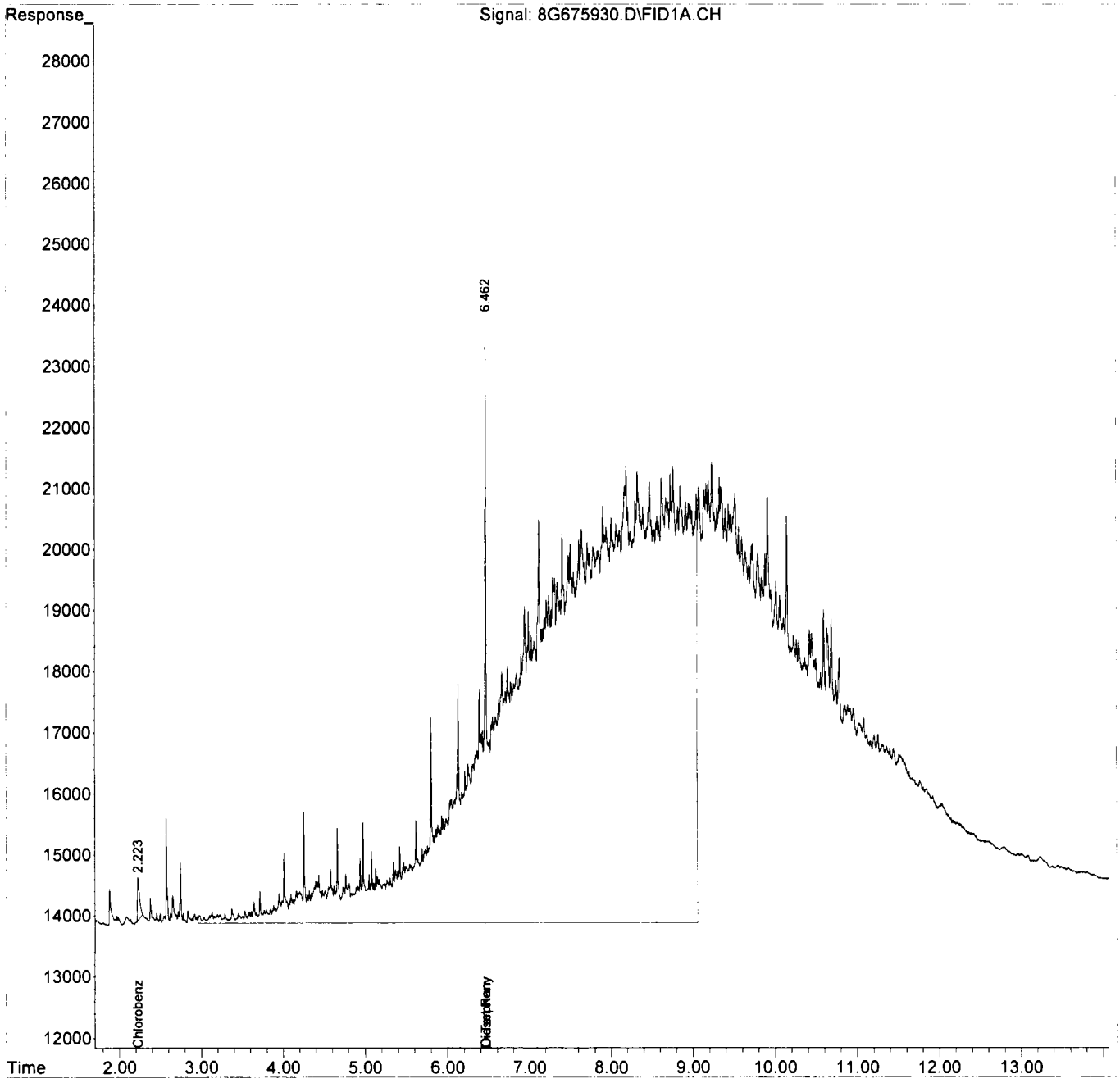
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_8\Data\12-17-24\
Data File : 8G675930.D
Signal(s) : FID1A.CH
Acq On : 17-Dec-24, 11:45:18
Operator : AH/ABM/KT/JR
Sample : AD48589-013
Misc : S,TPH
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 17 13:44:27 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :



Form1

ORGANICS PETROLEUM HYDROCARBON REPORT

Sample Number: AD48589-014
Client Id: SB-08-COMP
Data File: 8G675931.D
Analysis Date: 12/17/24 12:08
Date Rec/Extracted: 12/09/24-12/16/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8015D
Matrix: Soil
Initial Vol: 5g
Final Vol: 1ml
Dilution: 1
Solids: 80

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phchpd2	**Diesel Range Organics**	**75**	**87**				

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_8\Data\12-17-24\
Data File : 8G675931.D
Signal(s) : FID1A.CH
Acq On : 17-Dec-24, 12:08:26
Operator : AH/ABM/KT/JR
Sample : AD48589-014
Misc : S,TPH
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 17 13:45:07 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)mt	C8	0.000	0	N.D.		d
2)mte	C9	0.000	0	N.D.		d
3)mdte	C10	0.000	0	N.D.		d
4)mdte	C12	0.000	0	N.D.		d
5)mdte	C14	0.000	0	N.D.		d
6)dte	C16	0.000	0	N.D.		d
7)dte	C17	0.000	0	N.D.		d
8)dte	Pristane	0.000	0	N.D.		d
9)dte	C18	0.000	0	N.D.		d
10)dte	Phytane	0.000	0	N.D.		d
11)dte	C20	0.000	0	N.D.		d
12)dte	C22	0.000	0	N.D.		d
13)dte	C24	0.000	0	N.D.		d
14)dte	C26	0.000	0	N.D.		d
15)dte	C28	0.000	0	N.D.		d
16)te	C30	0.000	0	N.D.		d
17)te	C32	0.000	0	N.D.		d
18)te	C34	0.000	0	N.D.		d
19)te	C36	0.000	0	N.D.		d
20)t	C40	0.000	0	N.D.		d
21)	Chlorobenzene	2.221	15812	8.506		
22)	O-Terphenyl	6.464	50606	16.522		
23)d	Diesel Range Organics(T	6.463f	1009335	403.355		m
24)t	Total Petroleum Hydroca	0.000	0	N.D.		d
25)e	Ext. Petroleum Hydrocar	0.000	0	N.D.		d
26)m	Mineral Spirits(TOTAL)	0.000	0	N.D.		d
27)m	Stoddard Solvent(TOTAL)	0.000	0	N.D.		d

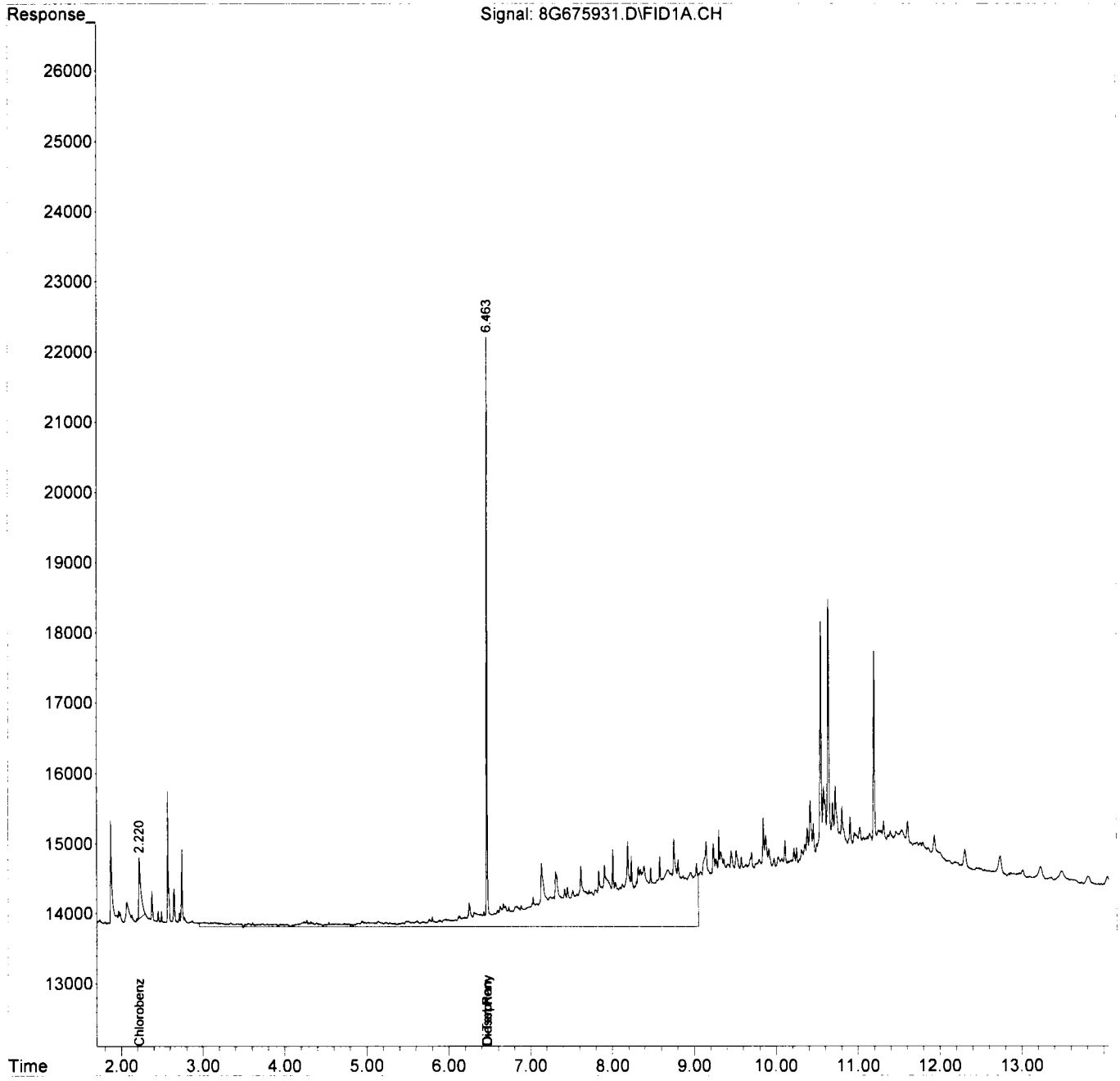
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_8\Data\12-17-24\
Data File : 8G675931.D
Signal(s) : FID1A.CH
Acq On : 17-Dec-24, 12:08:26
Operator : AH/ABM/KT/JR
Sample : AD48589-014
Misc : S,TPH
ALS Vial : 10 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 17 13:45:07 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :



Form1

ORGANICS PETROLEUM HYDROCARBON REPORT

Sample Number: AD48589-015
Client Id: SB-24-COMP
Data File: 8G675932.D
Analysis Date: 12/17/24 12:31
Date Rec/Extracted: 12/09/24-12/16/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8015D
Matrix: Soil
Initial Vol: 5g
Final Vol: 1ml
Dilution: 1
Solids: 74

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phchpd2	**Diesel Range Organics**	**81**	**160**				

Worksheet #: 765708

Total Target Concentration 160

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_8\Data\12-17-24\
Data File : 8G675932.D
Signal(s) : FID1A.CH
Acq On : 17-Dec-24, 12:31:03
Operator : AH/ABM/KT/JR
Sample : AD48589-015
Misc : S,TPH
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 17 13:45:44 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)mt	C8	0.000	0	N.D.		d
2)mte	C9	0.000	0	N.D.		d
3)mdte	C10	0.000	0	N.D.		d
4)mdte	C12	0.000	0	N.D.		d
5)mdte	C14	0.000	0	N.D.		d
6)dte	C16	0.000	0	N.D.		d
7)dte	C17	0.000	0	N.D.		d
8)dte	Pristane	0.000	0	N.D.		d
9)dte	C18	0.000	0	N.D.		d
10)dte	Phytane	0.000	0	N.D.		d
11)dte	C20	0.000	0	N.D.		d
12)dte	C22	0.000	0	N.D.		d
13)dte	C24	0.000	0	N.D.		d
14)dte	C26	0.000	0	N.D.		d
15)dte	C28	0.000	0	N.D.		d
16)te	C30	0.000	0	N.D.		d
17)te	C32	0.000	0	N.D.		d
18)te	C34	0.000	0	N.D.		d
19)te	C36	0.000	0	N.D.		d
20)t	C40	0.000	0	N.D.		d
21)	Chlorobenzene	2.219	16591	8.925		m
22)	O-Terphenyl	6.461	54483	17.788		
23)d	Diesel Range Organics(T	6.460f	1641463	655.969		m
24)t	Total Petroleum Hydroca	0.000	0	N.D.		d
25)e	Ext. Petroleum Hydrocar	0.000	0	N.D.		d
26)m	Mineral Spirits(TOTAL)	0.000	0	N.D.		d
27)m	Stoddard Solvent(TOTAL)	0.000	0	N.D.		d

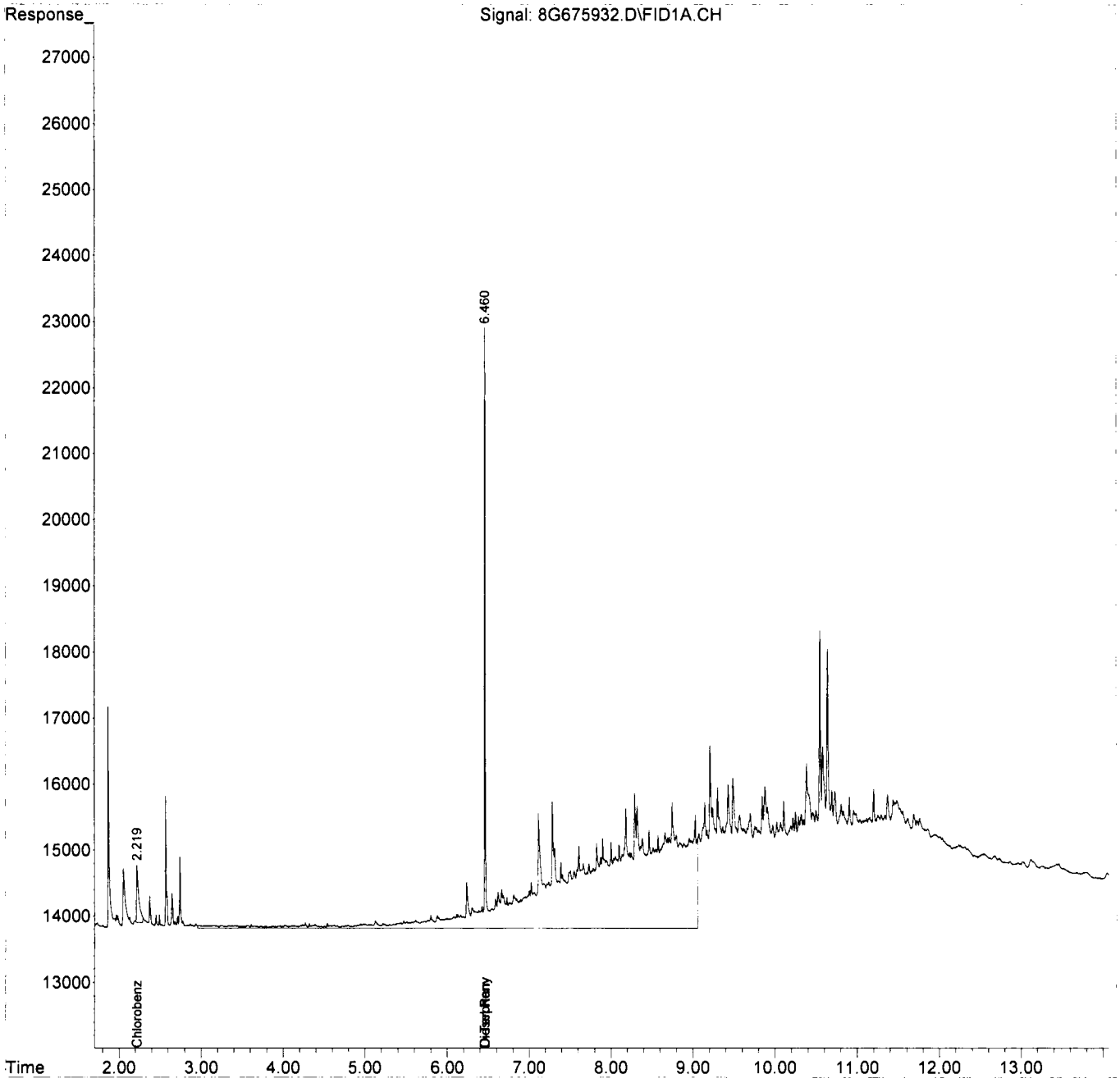
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_8\Data\12-17-24\
Data File : 8G675932.D
Signal(s) : FID1A.CH
Acq On : 17-Dec-24, 12:31:03
Operator : AH/ABM/KT/JR
Sample : AD48589-015
Misc : S,TPH
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 17 13:45:44 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :



Form1

ORGANICS REPORT

Sample Number: AD48589-012
Client Id: SB-22-COMP
Data File: 13AM30967.D
Analysis Date: 12/13/24 14:11
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8015D
Matrix: Methanol
Initial Vol: 5.57g:10ml
Final Vol: NA
Dilution: 89.8
Solids: 90

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phcg	Gasoline Range Organics	25	U				

Worksheet #: 765523

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

Data Path : G:\GcMsData\2024\GC_13A\Data\12-13-24\
Data File : 13AM30967.D
Signal(s) : FID1A.ch
Acq On : 13 Dec 2024 14:11
Operator : WP/MD
Sample : AD48589-012
Misc : M,MEXT!3
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 13 14:29:28 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1)S 1,4-Dichlorobenzene-d4	9.403	656781	29.286	
Target Compounds				
2) 2-Methylpentane	0.000	0	N.D.	
3) 1,2,4-Trimethylbenzene	0.000	0	N.D.	
4)g Gasoline Range Organics	0.000	0	N.D.	ug/L d

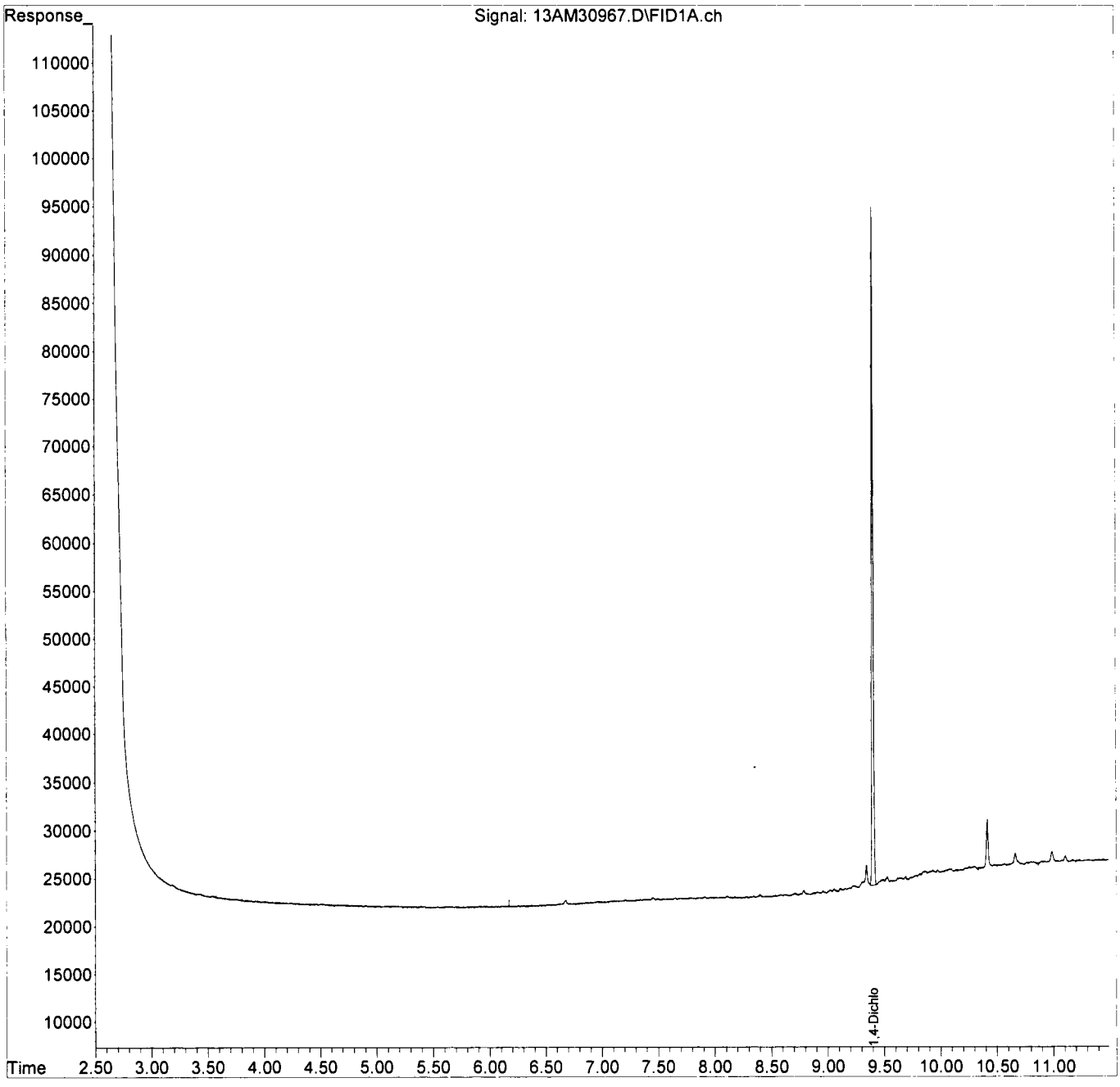
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\GcMsData\2024\GC_13A\Data\12-13-24\
Data File : 13AM30967.D
Signal(s) : FID1A.ch
Acq On : 13 Dec 2024 14:11
Operator : WP/MD
Sample : AD48589-012
Misc : M,MEXT!3
ALS Vial : 6 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 13 14:29:28 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



Form1

ORGANICS REPORT

Sample Number: AD48589-013
Client Id: SB-17-COMP
Data File: 13AM30968.D
Analysis Date: 12/13/24 14:28
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8015D
Matrix: Methanol
Initial Vol: 5.92g:10ml
Final Vol: NA
Dilution: 84.5
Solids: 84

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phcg	**Gasoline Range Organics**	**25**	**150**				

Worksheet #: 765523 *Total Target Concentration* 150 ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

Data Path : G:\GcMsData\2024\GC_13A\Data\12-13-24\
Data File : 13AM30968.D
Signal(s) : FID1A.ch
Acq On : 13 Dec 2024 14:28
Operator : WP/MD
Sample : AD48589-013
Misc : M,MEXT!3
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 16 17:08:27 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
1)S 1,4-Dichlorobenzene-d4	9.404	808128	36.034		m
Target Compounds					
2) 2-Methylpentane	0.000	0	N.D.		
3) 1,2,4-Trimethylbenzene	0.000	0	N.D.		d
4)g Gasoline Range Organics	8.707f	48209340	1489.294	ug/L	m

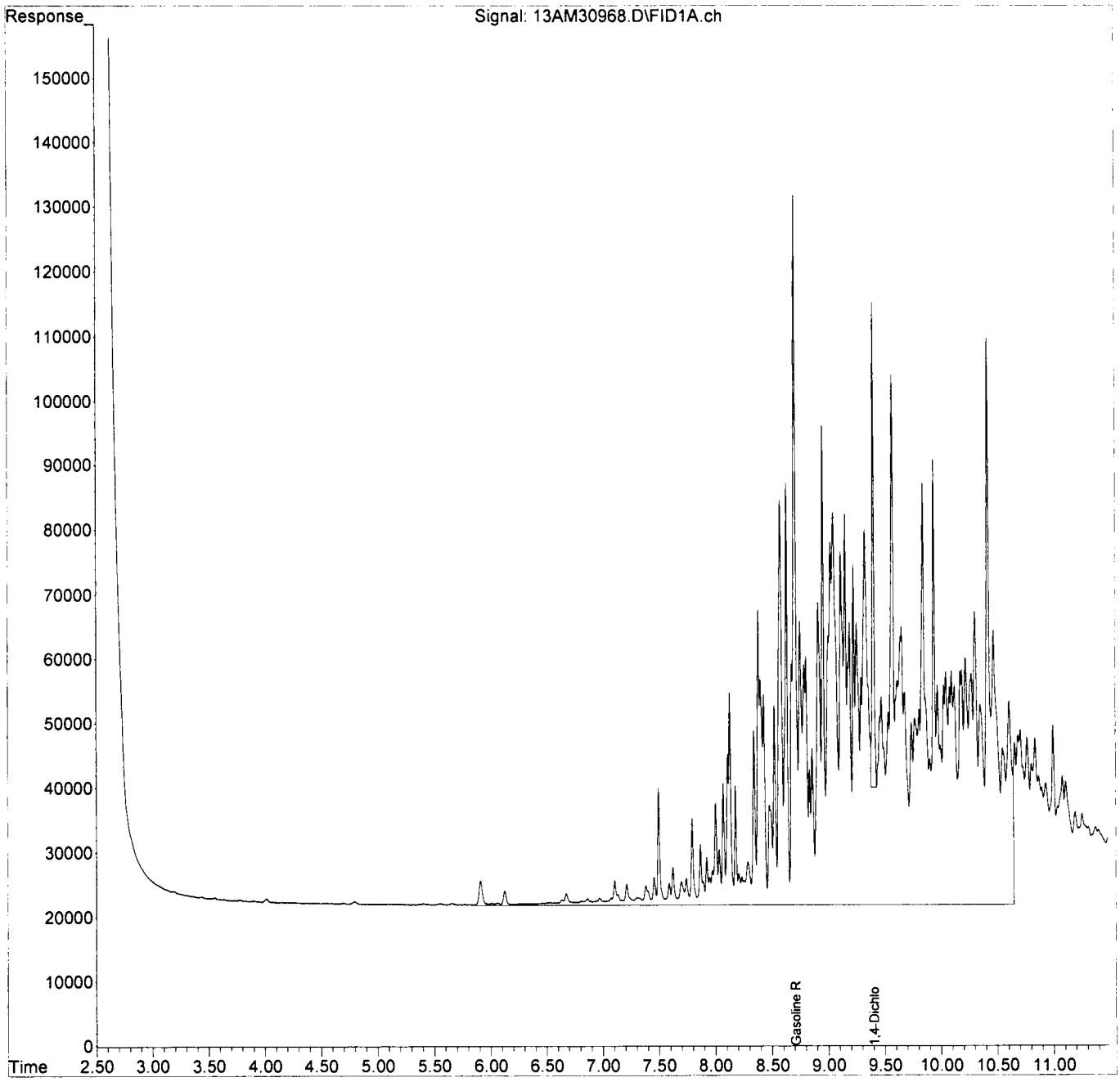
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\GcMsData\2024\GC_13A\Data\12-13-24\
Data File : 13AM30968.D
Signal(s) : FID1A.ch
Acq On : 13 Dec 2024 14:28
Operator : WP/MD
Sample : AD48589-013
Misc : M,MEXT!3
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 16 17:08:27 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



Form1

ORGANICS REPORT

Sample Number: AD48589-014
Client Id: SB-08-COMP
Data File: 13AM30969.D
Analysis Date: 12/13/24 14:45
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8015D
Matrix: Methanol
Initial Vol: 5.15g:10ml
Final Vol: NA
Dilution: 97.1
Solids: 80

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phcg	Gasoline Range Organics	30	U				

Worksheet #: 765523

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

Quantitation Report (QT Reviewed)

Data Path : G:\GcMsData\2024\GC_13A\Data\12-13-24\
Data File : 13AM30969.D
Signal(s) : FID1A.ch
Acq On : 13 Dec 2024 14:45
Operator : WP/MD
Sample : AD48589-014
Misc : M,MEXT!3
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 13 15:04:43 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1)S 1,4-Dichlorobenzene-d4	9.405	668723	29.818	
Target Compounds				
2) 2-Methylpentane	0.000	0	N.D.	
3) 1,2,4-Trimethylbenzene	0.000	0	N.D.	
4)g Gasoline Range Organics	0.000	0	N.D.	ug/L d

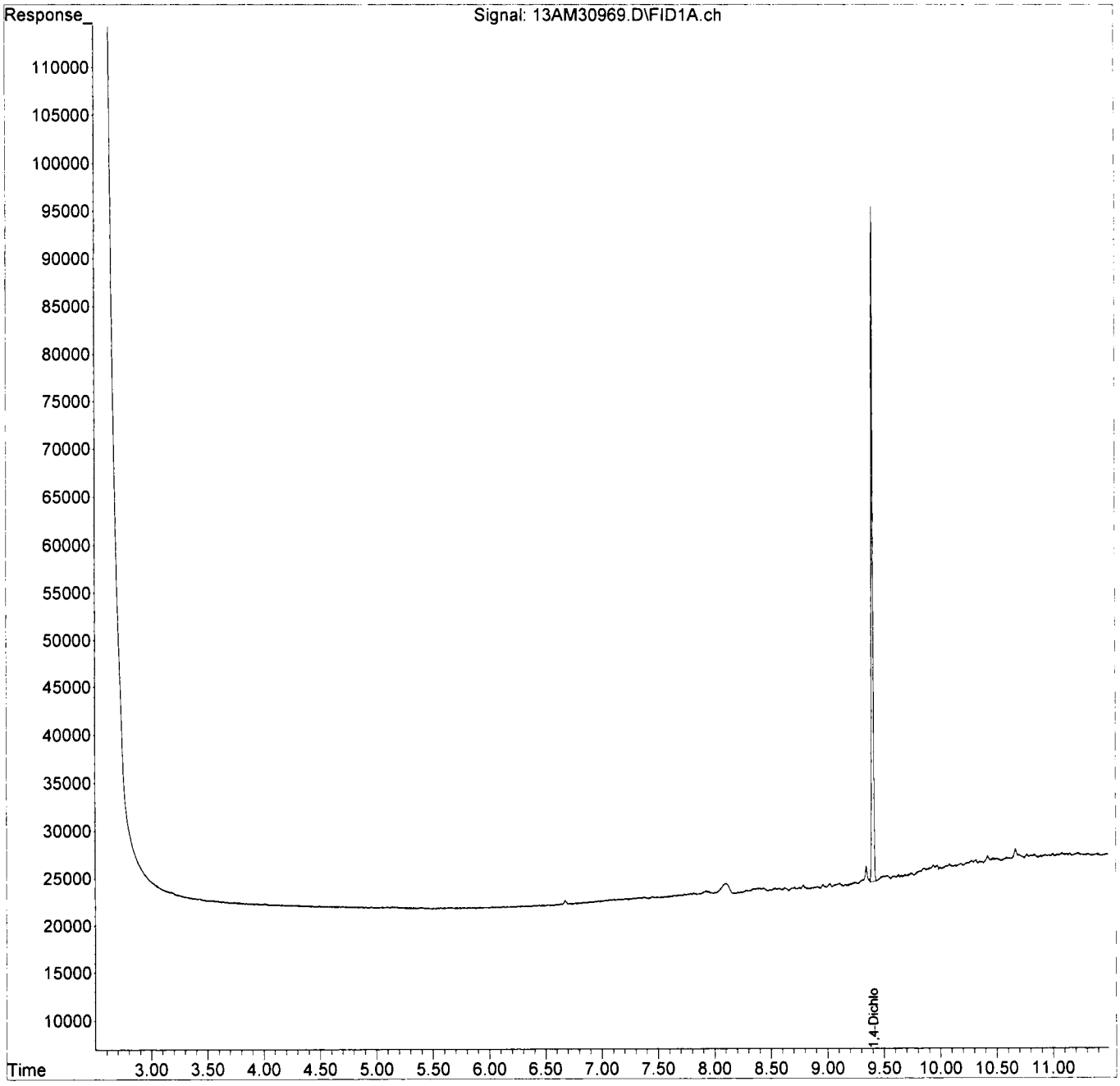
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\GcMsData\2024\GC_13A\Data\12-13-24\
Data File : 13AM30969.D
Signal(s) : FID1A.ch
Acq On : 13 Dec 2024 14:45
Operator : WP/MD
Sample : AD48589-014
Misc : M,MEXT!3
ALS Vial : 8 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 13 15:04:43 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



Form1

ORGANICS REPORT

Sample Number: AD48589-015
Client Id: SB-24-COMP
Data File: 13AM30970.D
Analysis Date: 12/13/24 15:02
Date Rec/Extracted: 12/09/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8015D
Matrix: Methanol
Initial Vol: 5.22g:10ml
Final Vol: NA
Dilution: 95.8
Solids: 74

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phcg	Gasoline Range Organics	32	U				

Worksheet #: 765523

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

Data Path : G:\GcMsData\2024\GC_13A\Data\12-13-24\
Data File : 13AM30970.D
Signal(s) : FID1A.ch
Acq On : 13 Dec 2024 15:02
Operator : WP/MD
Sample : AD48589-015
Misc : M,MEXT!3
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 13 15:48:34 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1)S 1,4-Dichlorobenzene-d4	9.404	586570	26.155	
Target Compounds				
2) 2-Methylpentane	0.000	0	N.D.	
3) 1,2,4-Trimethylbenzene	0.000	0	N.D.	
4)g Gasoline Range Organics	0.000	0	N.D.	ug/L d

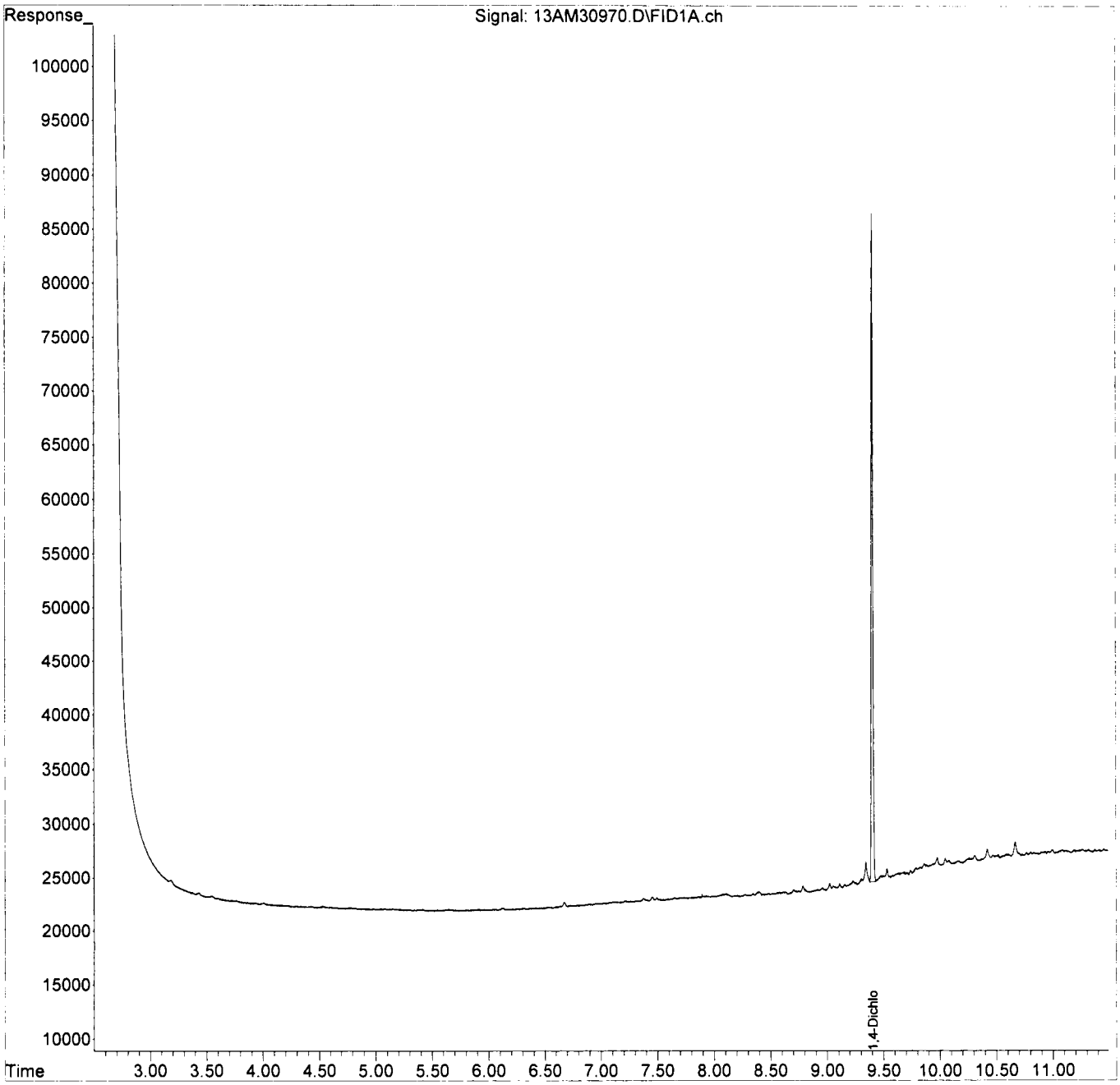
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\GcMsData\2024\GC_13A\Data\12-13-24\
Data File : 13AM30970.D
Signal(s) : FID1A.ch
Acq On : 13 Dec 2024 15:02
Operator : WP/MD
Sample : AD48589-015
Misc : M,MEXT!3
ALS Vial : 9 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 13 15:48:34 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



4121001 0301

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 US Highway 46, STE D and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787
Service Center: 137-C Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

CHAIN OF CUSTODY RECORD

Project# (Lab Use Only): 4121001

Page 1 of 2

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary	NJ Hazsite
1 Business Day (100%) *	Results + QC (Waste)	Excel Reg NJ / NY / PA
2 Business Days (75%) *	Reduced:	EnviroData
3 Business Days (50%) *	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%) *	[ ] PA [ ] Other___	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[✓] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other:		Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: LiRO Engineers, Inc.
Address: 703 Lorimer Street Brooklyn, NY 11211
1b) Email/Cell/Fax/Ph: franks@liro-hill.com
1c) Send Invoice to: Steve Frank
1d) Send Report to: same

Project Information

2a) Project: Queens Botanical Gardens
2b) Project Mgr:
2c) Project Location (City/State): Queens, NY
2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY ↓

Batch # A248589

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water S - Soil A - Air
GW - Ground Water SL - Sludge
WW - Waste Water OL - Oil
OT - Other (please specify under item 9, Comments)

7) Analysis (specify methods & parameter lists)

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type Composite (C)	Sample Type Grab (G)	TCL VOCs	SVOCs	PCBs	Pesticides	TAL metals	8) # of Bottles None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001	SB-07-9.5-10.0'	S	12/5/24	1030		X	X	X	X	X	X	2								16 oz & 4 oz.
002	SB-09-9.5-10.0'	S		1000		X	X	X	X	X	X	2								
003	SB-12-9.5-10.0'	S		1150		X	X	X	X	X	X	2								
004	SB-13-9.5-10.0'	S		0940		X	X	X	X	X	X	2								
005	SB-18-7.5-8.0'	S		0915		X	X	X	X	X	X	2								
006	SB-21-7.5-8.0'	S		1125		X	X	X	X	X	X	2								
007	SB-10-7.5-8.0'	S	12/6/24	0910		X	X	X	X	X	X	2								
008	SB-11-7.5-8.0'	S		0930		X	X	X	X	X	X	2								
009	SB-11-7.5-8.0 DUP	S		0935		X	X	X	X	X	X	2								
010	SB-17-7.5-8.0'	S		1000		X	X	X	X	X	X	2								

10) Relinquished by:	Accepted by:	Date	Time
		12/6/24	11:50
		12/9/24	6:55

11) Sampler (print name): EVA Jakubowska Date: 12/6/24

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270E SIM)
- [ ] VOC (8260D SIM or 8011)
- [ ] SPLP (BN, BNA, Metals)
- [ ] 1,4 Dioxane

For NJ LSRP projects, indicate which standards need to be met:
- [ ] NJDEP GWQS
- [ ] NJDEP SRS
- [ ] NJDEP SPLP
- [ ] Other (specify):

Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations
- [ ] NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2-8, 2.6, 3.0

Additional Notes

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [ ] or client [ ] FSP#

4121001 0302

Hampton-Clarke, Inc. (WBE/DBE/SBE)

175 US Highway 46, STE D and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787
Service Center: 137-C Gaither Drive, Mount Laurel, New Jersey 08054
Ph (Service Center): 856-780-6057 Fax: 856-780-6056
NELAC/NJ #07071 | PA #68-00463 | NY #11408 | CT #PH-0671 | KY #90124 | DE HSCA Approved

Hampton-Clarke WBE/DBE/SBE 800-426-9992
A Women-Owned, Disadvantaged, Small Business Enterprise

CHAIN OF CUSTODY RECORD

Project# (Lab Use Only)

Page 2 of 2

3) Reporting Requirements (Please Circle)

Turnaround	Report Type	Electronic Data Deliv.
When Available:	Summary *	NJ Hazsite
1 Business Day (100%) *	Results + QC (Waste)	Excel Reg NJ / NY / PA
2 Business Days (75%) *	Reduced:	EnviroData
3 Business Days (50%) *	[ ] NJ [ ] NY	EQuIS:
4 Business Days (35%) *	[ ] PA [ ] Other___	[ ] 4-File, [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[ ] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other:		Other:

* Expedited TAT Not Always Available. Please Check with Lab.

Customer Information

1a) Customer: LIRO Engineers
Address: 703 Lorimer street
Brooklyn, NY 11211
1b) Email/Cell/Fax/Ph: franks@liro-hill.com
1c) Send Invoice to: Steve Frank
1d) Send Report to: same

Project Information

2a) Project: Queens Botanical Gardens
2b) Project Mgr: Steve Frank
2c) Project Location (City/State): Queens, NY
2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY ↓
Batch # 1048589

===> Check If Contingent ===>

Matrix Codes
DW - Drinking Water; S - Soil; A - Air; GW - Ground Water; SL - Sludge; WW - Waste Water; OL - Oil; OT - Other (please specify under item 9, Comments)

7) Analysis *(specify methods & parameter lists)*

<=== Check If Contingent <===

Lab Sample #	4) Customer Sample ID	5) Matrix	6) Sample Date	6) Sample Time	Sample Type: Composite (C)	Sample Type: Grab (G)	TCL VOCs	SVOCs	PCBs	Pesticides	TAL Metals	TPHC DRO/GRO	RCRA Parameters	TCLP RCRA Metals	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
011	SB-22-7.5-8.0'	S	12/6/24	1055		X	X	X	X	X	X				2								40z & 16 oz.
012	SB-22-comp	S	↓	1100	X							X	X	X	1								
013	SB-17-comp	S	↓	1005	X							X	X	X	1								
014	SB-08-comp	S	12/4/24	1205	X							X	X	X	1								
015	SB-24-comp	S	↓	0940	X							X	X	X	1								
017/016	TWP-10	GW	12/6/24	0950		X	X	X	X	X	X				11								
018/019	TWP-12	GW	12/5/24	1230		X	X	X	X	X	X				11								
020/021	TWP-21	GW	↓	1145		X	X	X	X	X	X				11								

10) Relinquished by:	Accepted by:	Date	Time
Eva Jakubowska	[illegible]	12/6/24	11:50
[illegible]	[illegible]	12/9/24	6:55

11) Sampler (print name): EVA JAKUBOWSKA Date: 12/6/2024

Additional Notes: GW TAL Metals Filtered & Unfiltered

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270E SIM)
- [ ] VOC (8260D SIM or 8011)
- [ ] SPLP (BN, BNA, Metals)
- [ ] 1,4 Dioxane

For NJ LSRP projects, indicate which standards need to be met:
- [ ] NJDEP GWQS
- [ ] NJDEP SRS
- [ ] NJDEP SPLP
- [ ] Other (specify):

Check if applicable:
- [ ] Project-Specific Reporting Limits
- [ ] High Contaminant Concentrations
- [ ] NJ LSRP Project (also check boxes above/right)

Cooler Temperature: 2.8/2.6/3.0

Please note NUMBERED items. If not completed your analytical work may be delayed.
A fee of $5/sample will be assessed for storage should sample not be activated for any analysis.

Internal use: sampling plan (check box) HC [ ] or client [ ] FSP#

CONDITION UPON RECEIPT

Batch Number AD48589 Entered By: maxwell
Date Entered 12/10/2024 8:27:00 AM

1	Yes	Is there a corresponding COC included with the samples?
2	Yes	Are the samples in a container such as a cooler or Ice chest?
3	No	Are the COC seals intact?
4	T-432	<--- Thermometer ID. Please specify the Temperature inside the container (in degC). 2.8,2.6,3.0
5	Yes	Are the samples refrigerated (where required)/have they arrived on ice?
6	Yes	Are the samples within the holding times for the parameters listed on the COC? IF no, list parameters and samples:
7	Yes	Are all of the sample bottles intact? If no, specify sample numbers broken/leaking
8	Yes	Are all of the sample labels or numbers legible? If no specify:
9	Yes	Do the contents match the COC? If no, specify
10	Yes	Is there enough sample sent for the analyses listed on the COC? If no, specify:
11	No	Are samples preserved correctly?
12	Yes	Was temperature blank present (Place comment below if not)? If not was temperature of samples verified?
13	NA	Other comments ...Specify (TB date, sample matrix, any missing info, etc.)
14	NA	Corrective actions (Specify item number and corrective action taken).
15	NA	Were any samples for ortho-phosphate or dissolved ferrous iron field filtered?

PRESERVATION DOCUMENT

Batch Number AD48589 Entered By: maxwell

Date Entered 12/10/2024 8:34:00 AM

Lab#:	Container Size	Container/Vial Check	Parameter	Preservative	Preservative Lot#	PH	pH Lot#
AD48589-001	NA	NA	NA	NA	NA	NA	NA
AD48589-002	NA	NA	NA	NA	NA	NA	NA
AD48589-003	NA	NA	NA	NA	NA	NA	NA
AD48589-004	NA	NA	NA	NA	NA	NA	NA
AD48589-005	NA	NA	NA	NA	NA	NA	NA
AD48589-006	NA	NA	NA	NA	NA	NA	NA
AD48589-007	NA	NA	NA	NA	NA	NA	NA
AD48589-008	NA	NA	NA	NA	NA	NA	NA
AD48589-009	NA	NA	NA	NA	NA	NA	NA
AD48589-010	NA	NA	NA	NA	NA	NA	NA
AD48589-011	NA	NA	NA	NA	NA	NA	NA
AD48589-012	NA	NA	NA	NA	NA	NA	NA
AD48589-013	NA	NA	NA	NA	NA	NA	NA
AD48589-014	NA	NA	NA	NA	NA	NA	NA
AD48589-015	NA	NA	NA	NA	NA	NA	NA
AD48589-016	1L	P	METALS	HNO3	23B02006	1.0	HC441704
AD48589-016	1L	G	PEST	NONE	NONE	6.0	HC441704
AD48589-016	40ML	G	VO	HCL	23E1262007	6.0	HC441704
AD48589-017	1L	P	METALS	HNO3	23B02006	1.0	HC441704
AD48589-018	1L	P	METALS	HNO3	23B02006	1.0	HC441704
AD48589-018	1L	G	PEST	NONE	NONE	6.0	HC441704
AD48589-018	40ML	G	VO	HCL	23E1262007	6.0	HC441704
AD48589-019	1L	P	METALS	HNO3	23B02006	1.0	HC441704
AD48589-020	1L	P	METALS	HNO3	23B02006	1.0	HC441704
AD48589-020	1L	G	PEST	NONE	NONE	6.0	HC441704
AD48589-020	40ML	G	VO	HCL	23E1262007	6.0	HC441704
AD48589-021	1L	P	METALS	HNO3	23B02006	1.0	HC441704

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M196145.D
Analysis Date: 12/10/24 12:17
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U

Worksheet #: 765269

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

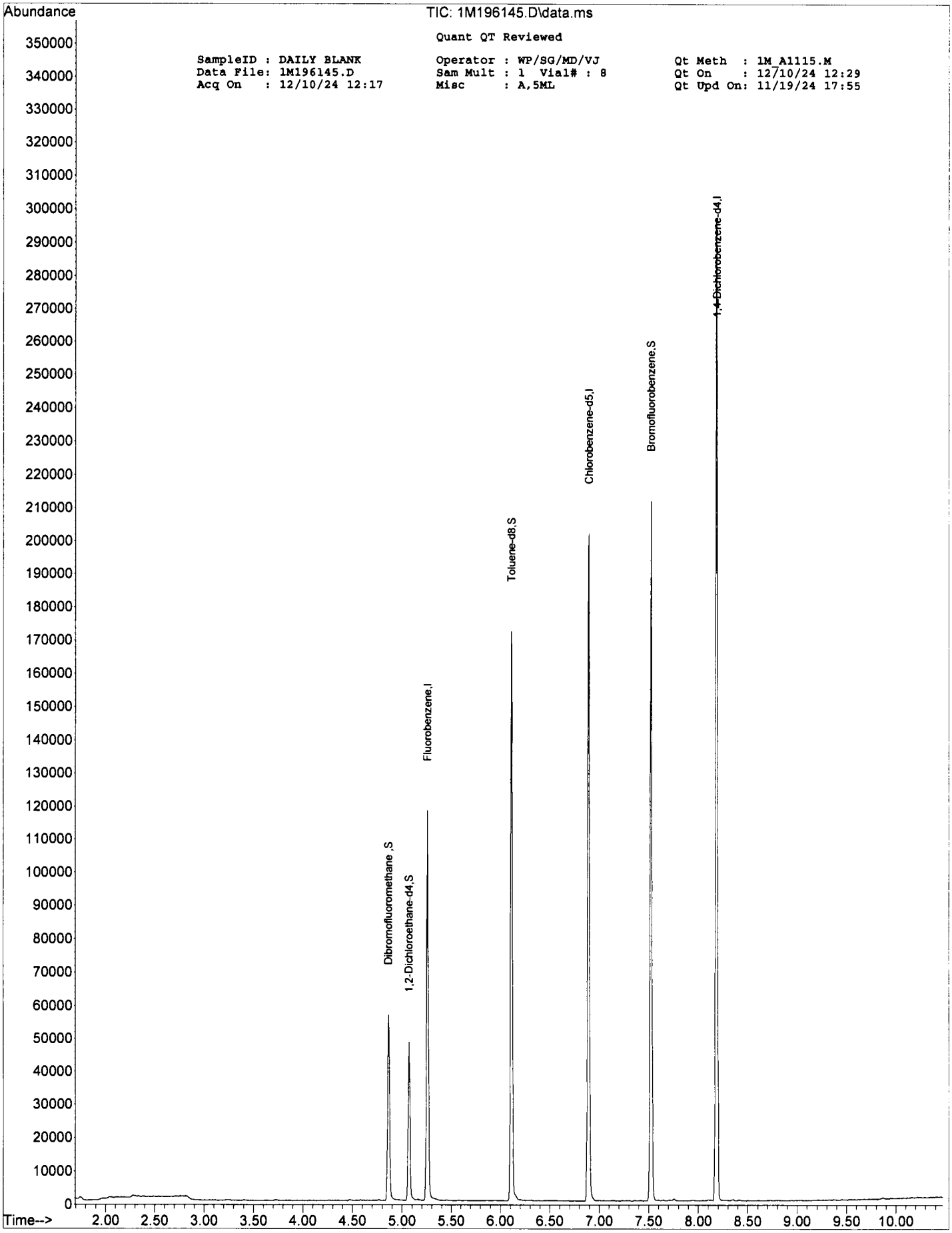
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP/SG/MD/VJ Qt Meth : 1M_A1115.M
Data File: 1M196145.D Sam Mult : 1 Vial# : 8 Qt On : 12/10/24 12:29
Acq On : 12/10/24 12:17 Misc : A,5ML Qt Upd On: 11/19/24 17:55

Data Path : G:\GcMsData\2024\GCMS_1\Data\12-10-24\
Qt Path : G:\GcMsData\2024\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.253	96	75316	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.893	117	91249	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.186	152	65009	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.863	111	24257	35.19	ug/l	0.00
Spiked Amount 30.000			Recovery = 117.30%			
39) 1,2-Dichloroethane-d4	5.071	67	11666	30.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.93%			
66) Toluene-d8	6.107	98	86223	27.55	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.83%			
76) Bromofluorobenzene	7.521	174	43687	28.36	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.53%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 1M196145.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 1M196145.D
Acq On : 12/10/24 12:17
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 8
Misc : A,5ML
Qt Meth : 1M_A1115.M
Qt On : 12/10/24 12:29
Qt Upd On: 11/19/24 17:55
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 6M189781.D
Analysis Date: 12/10/24 12:09
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Soil
Initial Vol: 5g
Final Vol: NA
Dilution: 1.00
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	0.0020	U	56-23-5	Carbon Tetrachloride	0.0020	U
79-34-5	1,1,2,2-Tetrachloroethane	0.0020	U	108-90-7	Chlorobenzene	0.0020	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	0.0020	U	75-00-3	Chloroethane	0.0020	U
79-00-5	1,1,2-Trichloroethane	0.0020	U	67-66-3	Chloroform	0.0020	U
75-34-3	1,1-Dichloroethane	0.0020	U	74-87-3	Chloromethane	0.0020	U
75-35-4	1,1-Dichloroethene	0.0020	U	156-59-2	cis-1,2-Dichloroethene	0.0020	U
87-61-6	1,2,3-Trichlorobenzene	0.0020	U	10061-01-5	cis-1,3-Dichloropropene	0.0020	U
120-82-1	1,2,4-Trichlorobenzene	0.0020	U	110-82-7	Cyclohexane	0.0020	U
96-12-8	1,2-Dibromo-3-Chloropropa	0.0020	U	124-48-1	Dibromochloromethane	0.0020	U
106-93-4	1,2-Dibromoethane	0.0010	U	75-71-8	Dichlorodifluoromethane	0.0020	U
95-50-1	1,2-Dichlorobenzene	0.0020	U	100-41-4	Ethylbenzene	0.0010	U
107-06-2	1,2-Dichloroethane	0.0020	U	98-82-8	Isopropylbenzene	0.0010	U
78-87-5	1,2-Dichloropropane	0.0020	U	79601-23-1	m&p-Xylenes	0.0014	U
541-73-1	1,3-Dichlorobenzene	0.0020	U	79-20-9	Methyl Acetate	0.0020	U
106-46-7	1,4-Dichlorobenzene	0.0020	U	108-87-2	Methylcyclohexane	0.0020	U
123-91-1	1,4-Dioxane	0.10	U	75-09-2	Methylene Chloride	0.0020	U
78-93-3	2-Butanone	0.0020	U	1634-04-4	Methyl-t-butyl ether	0.0010	U
591-78-6	2-Hexanone	0.0020	U	95-47-6	o-Xylene	0.0010	U
108-10-1	4-Methyl-2-Pentanone	0.0020	U	100-42-5	Styrene	0.0020	U
67-64-1	Acetone	0.010	U	127-18-4	Tetrachloroethene	0.0020	U
71-43-2	Benzene	0.0010	U	108-88-3	Toluene	0.0010	U
74-97-5	Bromochloromethane	0.0020	U	156-60-5	trans-1,2-Dichloroethene	0.0020	U
75-27-4	Bromodichloromethane	0.0020	U	10061-02-6	trans-1,3-Dichloropropene	0.0020	U
75-25-2	Bromoform	0.0020	U	79-01-6	Trichloroethene	0.0020	U
74-83-9	Bromomethane	0.0020	U	75-69-4	Trichlorofluoromethane	0.0020	U
75-15-0	Carbon Disulfide	0.0050	U	75-01-4	Vinyl Chloride	0.0020	U

Worksheet #: 765269

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

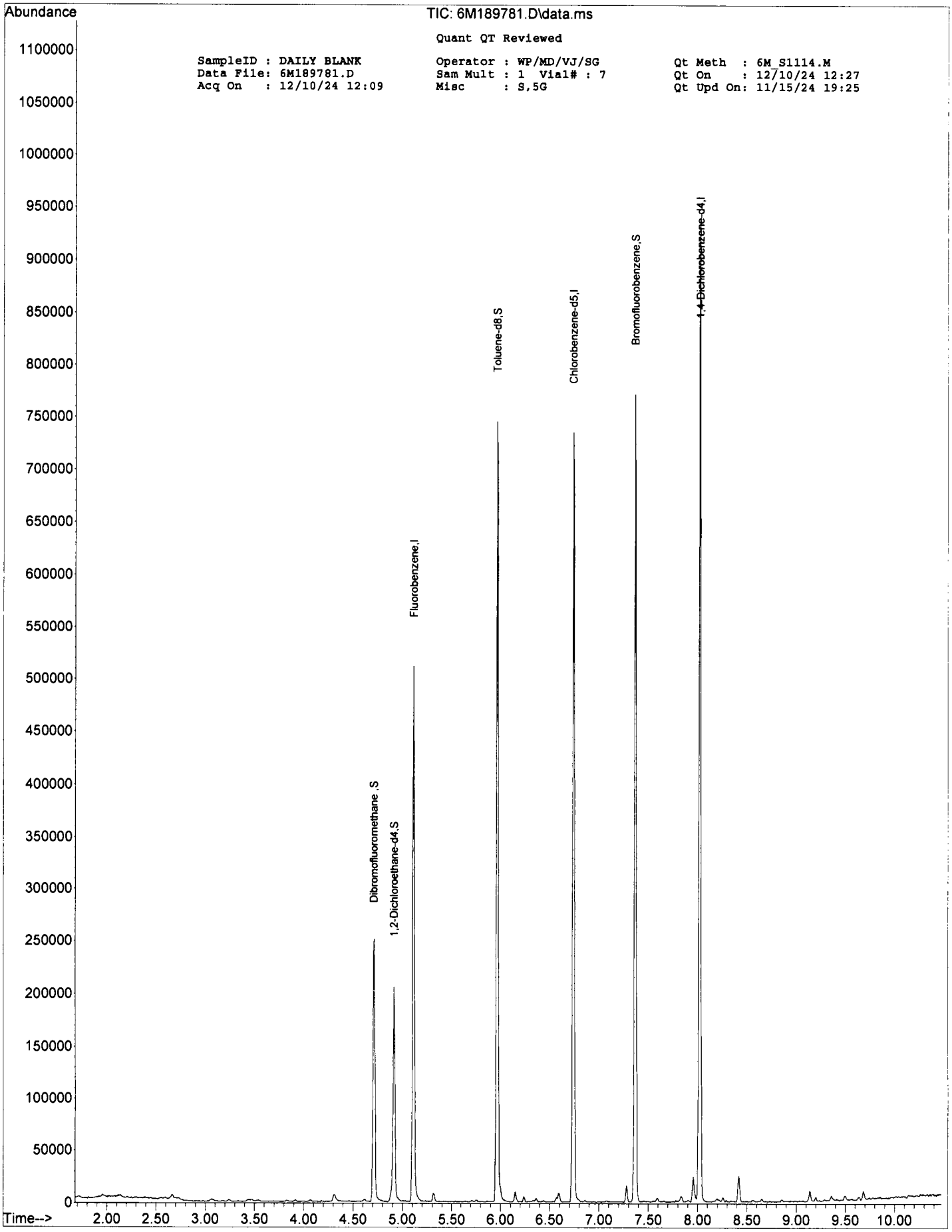
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP/MD/VJ/SG Qt Meth : 6M_S1114.M
Data File: 6M189781.D Sam Mult : 1 Vial# : 7 Qt On : 12/10/24 12:27
Acq On : 12/10/24 12:09 Misc : S,5G Qt Upd On: 11/15/24 19:25

Data Path : G:\GcMsData\2024\GCMS_6\Data\12-10-24\
Qt Path : G:\GCMSDATA\2024\GCMS_6\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.109	96	303118	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.736	117	308938	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.023	152	196131	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.706	111	99546	32.02	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.73%			
39) 1,2-Dichloroethane-d4	4.914	67	49409	35.89	ug/l	0.00
Spiked Amount 30.000			Recovery = 119.63%			
66) Toluene-d8	5.962	98	363451	31.02	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.40%			
76) Bromofluorobenzene	7.364	174	149079	30.09	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.30%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 6M189781.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 6M189781.D
Acq On : 12/10/24 12:09
Operator : WP/MD/VJ/SG
Sam Mult : 1 Vial# : 7
Misc : S,5G
Qt Meth : 6M_S1114.M
Qt On : 12/10/24 12:27
Qt Upd On: 11/15/24 19:25
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: WMB119858
Client Id:
Data File: 10M104524.D
Analysis Date: 12/11/24 17:35
Date Rec/Extracted: NA-12/11/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 1ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	2.0	U	50-32-8	Benzo[a]pyrene	2.0	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2.0	U	205-99-2	Benzo[b]fluoranthene	2.0	U
123-91-1	1,4-Dioxane	0.50	U	191-24-2	Benzo[g,h,i]perylene	2.0	U
58-90-2	2,3,4,6-Tetrachlorophenol	2.0	U	207-08-9	Benzo[k]fluoranthene	2.0	U
95-95-4	2,4,5-Trichlorophenol	2.0	U	111-91-1	bis(2-Chloroethoxy)methan	2.0	U
88-06-2	2,4,6-Trichlorophenol	2.0	U	111-44-4	bis(2-Chloroethyl)ether	0.50	U
120-83-2	2,4-Dichlorophenol	0.50	U	108-60-1	bis(2-chloroisopropyl)ether	2.0	U
105-67-9	2,4-Dimethylphenol	1.2	U	117-81-7	bis(2-Ethylhexyl)phthalate	2.0	U
51-28-5	2,4-Dinitrophenol	10	U	85-68-7	Butylbenzylphthalate	2.0	U
121-14-2	2,4-Dinitrotoluene	2.0	U	105-60-2	Caprolactam	2.0	U
606-20-2	2,6-Dinitrotoluene	2.0	U	86-74-8	Carbazole	2.0	U
91-58-7	2-Chloronaphthalene	2.0	U	218-01-9	Chrysene	2.0	U
95-57-8	2-Chlorophenol	2.0	U	53-70-3	Dibenzo[a,h]anthracene	2.0	U
91-57-6	2-Methylnaphthalene	2.0	U	132-64-9	Dibenzofuran	2.0	U
95-48-7	2-Methylphenol	0.59	U	84-66-2	Diethylphthalate	2.0	U
88-74-4	2-Nitroaniline	2.0	U	131-11-3	Dimethylphthalate	2.0	U
88-75-5	2-Nitrophenol	2.0	U	84-74-2	Di-n-butylphthalate	2.0	U
106-44-5	3&4-Methylphenol	0.54	U	117-84-0	Di-n-octylphthalate	2.0	U
91-94-1	3,3'-Dichlorobenzidine	2.0	U	206-44-0	Fluoranthene	2.0	U
99-09-2	3-Nitroaniline	2.0	U	86-73-7	Fluorene	2.0	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U	118-74-1	Hexachlorobenzene	2.0	U
101-55-3	4-Bromophenyl-phenylether	2.0	U	87-68-3	Hexachlorobutadiene	2.0	U
59-50-7	4-Chloro-3-methylphenol	2.0	U	77-47-4	Hexachlorocyclopentadiene	6.4	U
106-47-8	4-Chloroaniline	2.0	U	67-72-1	Hexachloroethane	2.0	U
7005-72-3	4-Chlorophenyl-phenylether	2.0	U	193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U
100-01-6	4-Nitroaniline	2.0	U	78-59-1	Isophorone	2.0	U
100-02-7	4-Nitrophenol	2.0	U	91-20-3	Naphthalene	2.0	U
83-32-9	Acenaphthene	2.0	U	98-95-3	Nitrobenzene	2.0	U
208-96-8	Acenaphthylene	2.0	U	621-64-7	N-Nitroso-di-n-propylamine	0.50	U
98-86-2	Acetophenone	2.0	U	86-30-6	n-Nitrosodiphenylamine	2.0	U
120-12-7	Anthracene	2.0	U	87-86-5	Pentachlorophenol	10	U
1912-24-9	Atrazine	2.0	U	85-01-8	Phenanthrene	2.0	U
100-52-7	Benzaldehyde	2.0	U	108-95-2	Phenol	2.0	U
56-55-3	Benzo[a]anthracene	2.0	U	129-00-0	Pyrene	2.0	U

Worksheet #: 765488

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

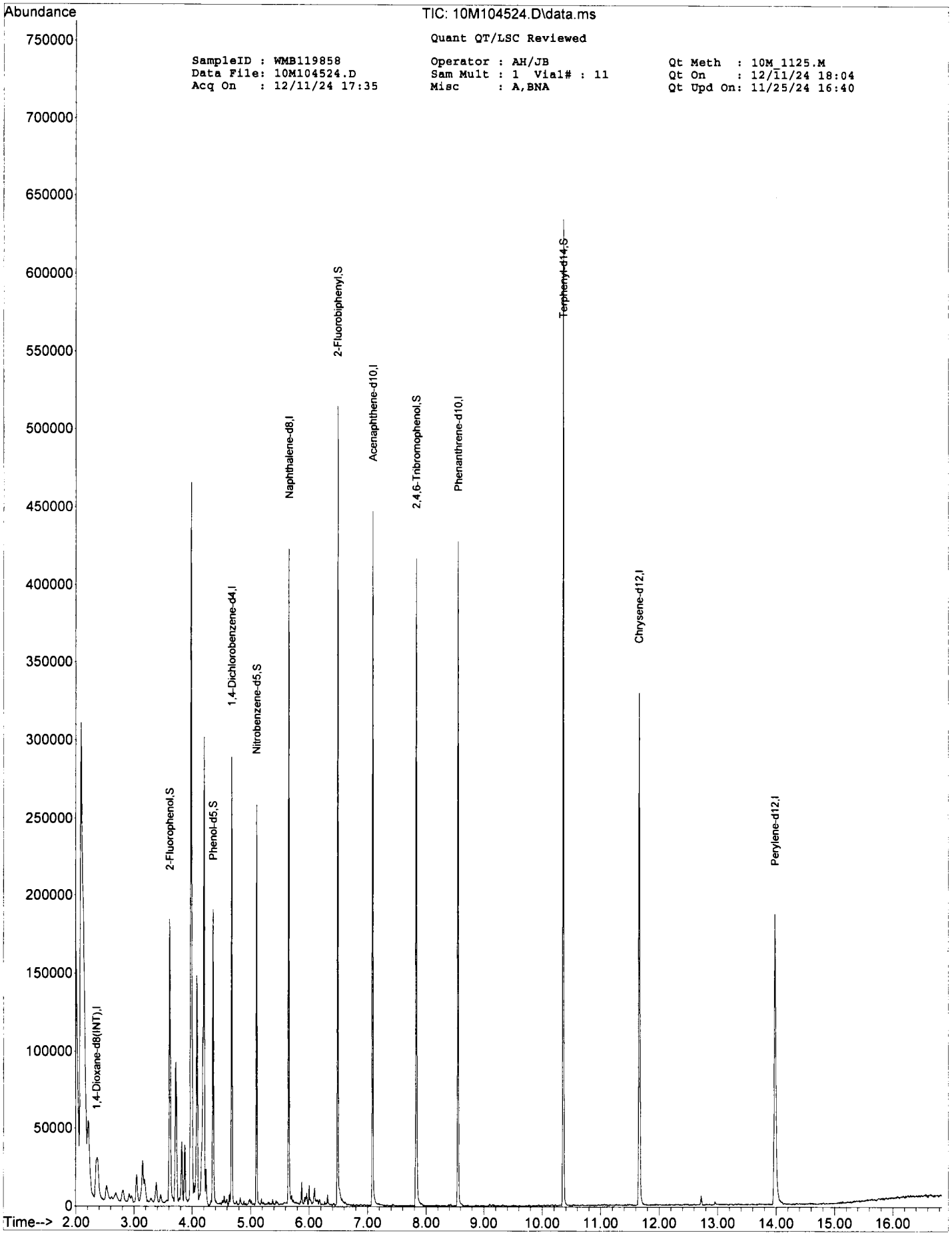
Quantitation Report (QT/LSC Reviewed)

SampleID : WMB119858 Operator : AH/JB Qt Meth : 10M_1125.M
Data File: 10M104524.D Sam Mult : 1 Vial# : 11 Qt On : 12/11/24 18:04
Acq On : 12/11/24 17:35 Misc : A,BNA Qt Upd On: 11/25/24 16:40

Data Path : G:\GcMsData\2024\GCMS_10\Data\12-11-24\
Qt Path : G:\GCMSDATA\2024\GCMS_10\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.351	96	23268	40.00	ng	0.00
21) 1,4-Dichlorobenzene-d4	4.672	152	47893	40.00	ng	0.00
31) Naphthalene-d8	5.651	136	172648	40.00	ng	0.00
50) Acenaphthene-d10	7.084	164	97128	40.00	ng	0.00
76) Phenanthrene-d10	8.555	188	176708	40.00	ng	0.00
90) Chrysene-d12	11.657	240	155018	40.00	ng	0.00
102) Perylene-d12	13.979	264	144374	40.00	ng	0.00
System Monitoring Compounds						
11) 2-Fluorophenol	3.608	112	83144	61.32	ng	0.00
Spiked Amount 100.000			Recovery = 61.32%			
16) Phenol-d5	4.356	99	73010	43.39	ng	0.00
Spiked Amount 100.000			Recovery = 43.39%			
32) Nitrobenzene-d5	5.100	128	35790	52.99	ng	0.00
Spiked Amount 50.000			Recovery = 105.98%			
55) 2-Fluorobiphenyl	6.485	172	171469	54.02	ng	0.00
Spiked Amount 50.000			Recovery = 108.04%			
79) 2,4,6-Tribromophenol	7.828	330	56317	112.82	ng	0.00
Spiked Amount 100.000			Recovery = 112.82%			
93) Terphenyl-d14	10.358	244	212161	63.35	ng	0.00
Spiked Amount 50.000			Recovery = 126.70%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed


Abundance
TIC: 10M104524.D\data.ms
Quant QT/LSC Reviewed
SampleID : WMB119858
Data File: 10M104524.D
Acq On : 12/11/24 17:35
Operator : AH/JB
Sam Mult : 1 Vial# : 11
Misc : A,BNA
Qt Meth : 10M_1125.M
Qt On : 12/11/24 18:04
Qt Upd On: 11/25/24 16:40
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS SEMIVOLATILE REPORT

Sample Number: SMB120227
Client Id:
Data File: 9M131185.D
Analysis Date: 12/15/24 13:53
Date Rec/Extracted: NA-12/14/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8270E
Matrix: Soil
Initial Vol: 30g
Final Vol: 0.5ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
92-52-4	1,1'-Biphenyl	0.033	U	50-32-8	Benzo[a]pyrene	0.033	U
95-94-3	1,2,4,5-Tetrachlorobenzene	0.033	U	205-99-2	Benzo[b]fluoranthene	0.033	U
123-91-1	1,4-Dioxane	0.033	U	191-24-2	Benzo[g,h,i]perylene	0.033	U
58-90-2	2,3,4,6-Tetrachlorophenol	0.033	U	207-08-9	Benzo[k]fluoranthene	0.033	U
95-95-4	2,4,5-Trichlorophenol	0.033	U	111-91-1	bis(2-Chloroethoxy)methan	0.033	U
88-06-2	2,4,6-Trichlorophenol	0.033	U	111-44-4	bis(2-Chloroethyl)ether	0.013	U
120-83-2	2,4-Dichlorophenol	0.033	U	108-60-1	bis(2-chloroisopropyl)ether	0.033	U
105-67-9	2,4-Dimethylphenol	0.033	U	117-81-7	bis(2-Ethylhexyl)phthalate	0.033	U
51-28-5	2,4-Dinitrophenol	0.17	U	85-68-7	Butylbenzylphthalate	0.033	U
121-14-2	2,4-Dinitrotoluene	0.033	U	105-60-2	Caprolactam	0.033	U
606-20-2	2,6-Dinitrotoluene	0.033	U	86-74-8	Carbazole	0.033	U
91-58-7	2-Chloronaphthalene	0.033	U	218-01-9	Chrysene	0.033	U
95-57-8	2-Chlorophenol	0.033	U	53-70-3	Dibenzo[a,h]anthracene	0.033	U
91-57-6	2-Methylnaphthalene	0.033	U	132-64-9	Dibenzofuran	0.033	U
95-48-7	2-Methylphenol	0.033	U	84-66-2	Diethylphthalate	0.033	U
88-74-4	2-Nitroaniline	0.033	U	131-11-3	Dimethylphthalate	0.033	U
88-75-5	2-Nitrophenol	0.033	U	84-74-2	Di-n-butylphthalate	0.17	U
106-44-5	3&4-Methylphenol	0.033	U	117-84-0	Di-n-octylphthalate	0.033	U
91-94-1	3,3'-Dichlorobenzidine	0.033	U	206-44-0	Fluoranthene	0.033	U
99-09-2	3-Nitroaniline	0.033	U	86-73-7	Fluorene	0.033	U
534-52-1	4,6-Dinitro-2-methylphenol	0.17	U	118-74-1	Hexachlorobenzene	0.033	U
101-55-3	4-Bromophenyl-phenylether	0.033	U	87-68-3	Hexachlorobutadiene	0.033	U
59-50-7	4-Chloro-3-methylphenol	0.033	U	77-47-4	Hexachlorocyclopentadiene	0.17	U
106-47-8	4-Chloroaniline	0.033	U	67-72-1	Hexachloroethane	0.033	U
7005-72-3	4-Chlorophenyl-phenylether	0.033	U	193-39-5	Indeno[1,2,3-cd]pyrene	0.033	U
100-01-6	4-Nitroaniline	0.033	U	78-59-1	Isophorone	0.033	U
100-02-7	4-Nitrophenol	0.033	U	91-20-3	Naphthalene	0.033	U
83-32-9	Acenaphthene	0.033	U	98-95-3	Nitrobenzene	0.033	U
208-96-8	Acenaphthylene	0.033	U	621-64-7	N-Nitroso-di-n-propylamine	0.033	U
98-86-2	Acetophenone	0.033	U	86-30-6	n-Nitrosodiphenylamine	0.033	U
120-12-7	Anthracene	0.033	U	87-86-5	Pentachlorophenol	0.17	U
1912-24-9	Atrazine	0.033	U	85-01-8	Phenanthrene	0.033	U
100-52-7	Benzaldehyde	0.033	U	108-95-2	Phenol	0.033	U
56-55-3	Benzo[a]anthracene	0.033	U	129-00-0	Pyrene	0.033	U

Worksheet #: 765488

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used

N-Nitrosodiphenylamine decomposes in the GC inlet and is detected as diphenylamine

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

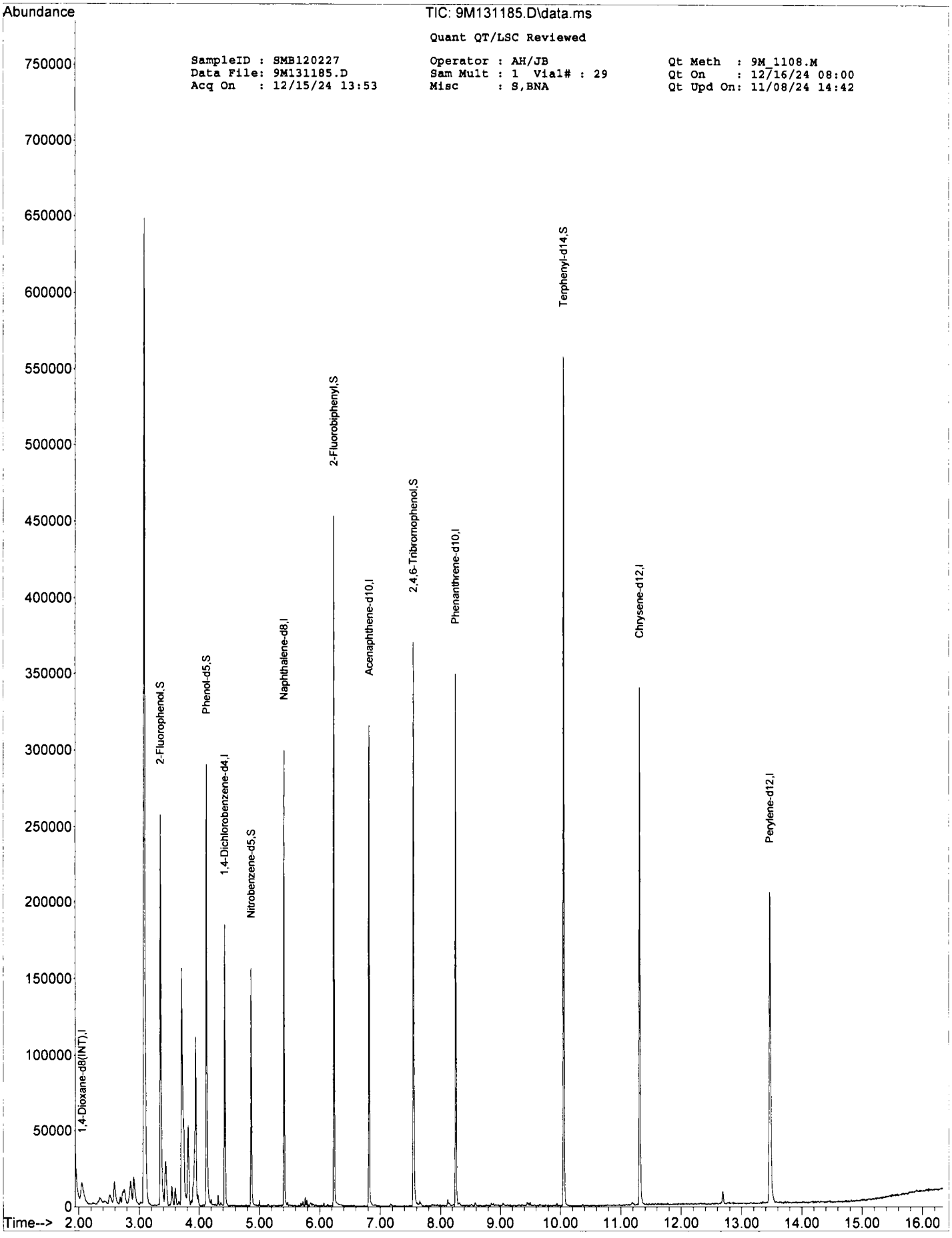
Quantitation Report (QT/LSC Reviewed)

SampleID : SMB120227 Operator : AH/JB Qt Meth : 9M_1108.M
Data File: 9M131185.D Sam Mult : 1 Vial# : 29 Qt On : 12/16/24 08:00
Acq On : 12/15/24 13:53 Misc : S,BNA Qt Upd On: 11/08/24 14:42

Data Path : G:\GcMsData\2024\GCMS_9\Data\12-15-24\
Qt Path : G:\GCMSDATA\2024\GCMS_9\METHODQT\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
7) 1,4-Dioxane-d8(INT)	2.054	96	16356	40.00	ng	-0.06
21) 1,4-Dichlorobenzene-d4	4.425	152	34109	40.00	ng	-0.04
31) Naphthalene-d8	5.413	136	124568	40.00	ng	-0.04
50) Acenaphthene-d10	6.819	164	76284	40.00	ng	-0.04
76) Phenanthrene-d10	8.260	188	145974	40.00	ng	-0.04
90) Chrysene-d12	11.313	240	146553	40.00	ng	-0.05
102) Perylene-d12	13.471	264	141007	40.00	ng	-0.06
System Monitoring Compounds						
11) 2-Fluorophenol	3.354	112	102376	116.77	ng	-0.04
Spiked Amount 100.000			Recovery =	116.77%		
16) Phenol-d5	4.125	99	126613	109.95	ng	-0.03
Spiked Amount 100.000			Recovery =	109.95%		
32) Nitrobenzene-d5	4.866	128	28565	57.05	ng	-0.04
Spiked Amount 50.000			Recovery =	114.10%		
55) 2-Fluorobiphenyl	6.236	172	143769	60.26	ng	-0.04
Spiked Amount 50.000			Recovery =	120.52%		
79) 2,4,6-Tribromophenol	7.548	330	63955	173.01	ng	-0.04
Spiked Amount 100.000			Recovery =	173.01%		
93) Terphenyl-d14	10.054	244	213807	68.96	ng	-0.05
Spiked Amount 50.000			Recovery =	137.92%		
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed P


Abundance
TIC: 9M131185.D\data.ms
Quant QT/LSC Reviewed
SampleID : SMB120227
Data File: 9M131185.D
Acq On : 12/15/24 13:53
Operator : AH/JB
Sam Mult : 1 Vial# : 29
Misc : S,BNA
Qt Meth : 9M_1108.M
Qt On : 12/16/24 08:00
Qt Upd On: 11/08/24 14:42
1,4-Dioxane-d8(INT),I
2-Fluorophenol,S
Phenol-d5,S
1,4-Dichlorobenzene-d4,I
Nitrobenzene-d5,S
Naphthalene-d8,I
2-Fluorobiphenyl,S
Acenaphthene-d10,I
2,4,6-Tribromophenol,S
Phenanthrene-d10,I
Terphenyl-d14,S
Chrysene-d12,I
Perylene-d12,I
Time-->

Form1

ORGANICS PCB REPORT

Sample Number: WMB119873
Client Id:
Data File: 2G198366.D
Analysis Date: 12/15/24 15:04
Date Rec/Extracted: NA-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.25	U	11097-69-1	Aroclor-1254	0.25	U
11104-28-2	Aroclor-1221	0.25	U	11096-82-5	Aroclor-1260	0.25	U
11141-16-5	Aroclor-1232	0.25	U	37324-23-5	Aroclor-1262	0.25	U
53469-21-9	Aroclor-1242	0.25	U	11100-14-4	Aroclor-1268	0.25	U
12672-29-6	Aroclor-1248	0.25	U				

Worksheet #: 765543

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Dec 2024 15:04
Operator : AH/PR/KM
Sample : WMB119873
Misc : A,PCB
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 10:07:12 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.034	3.237	809.0E6	1130.9E6	89.298m	86.125
45)	DCB-Surrogate	8.300	9.115	815.8E6	1136.8E6	113.279	116.585

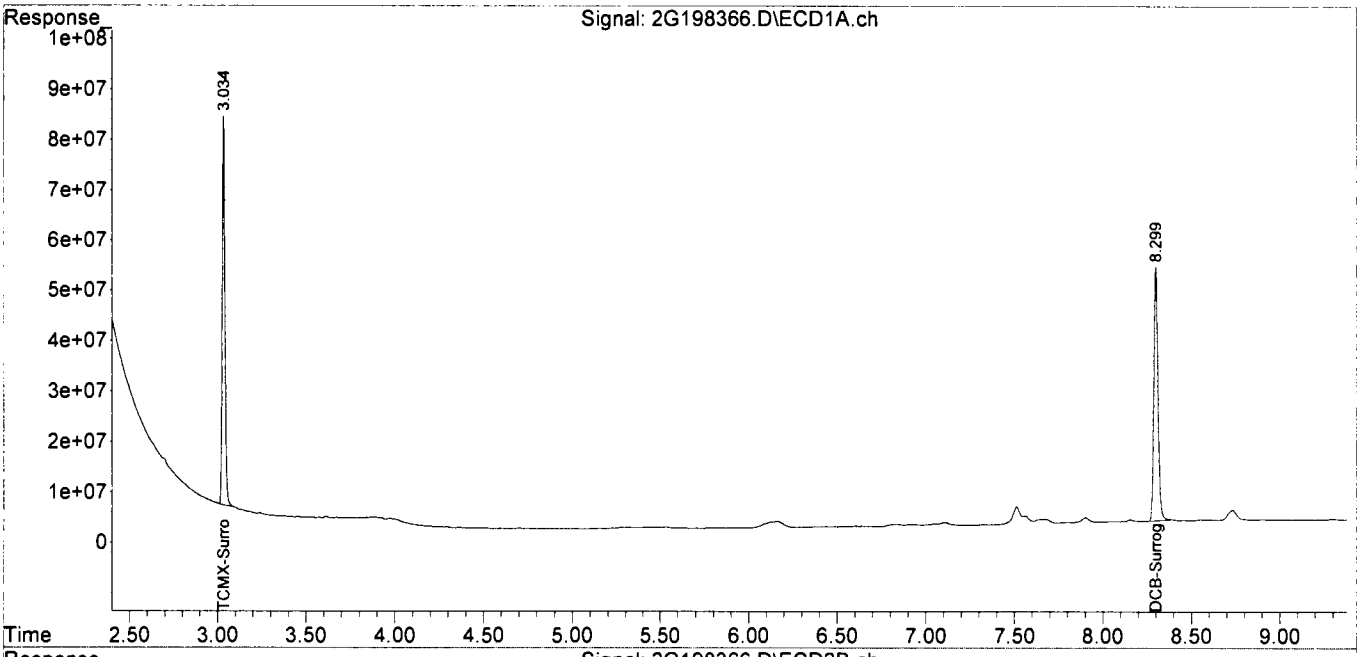
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

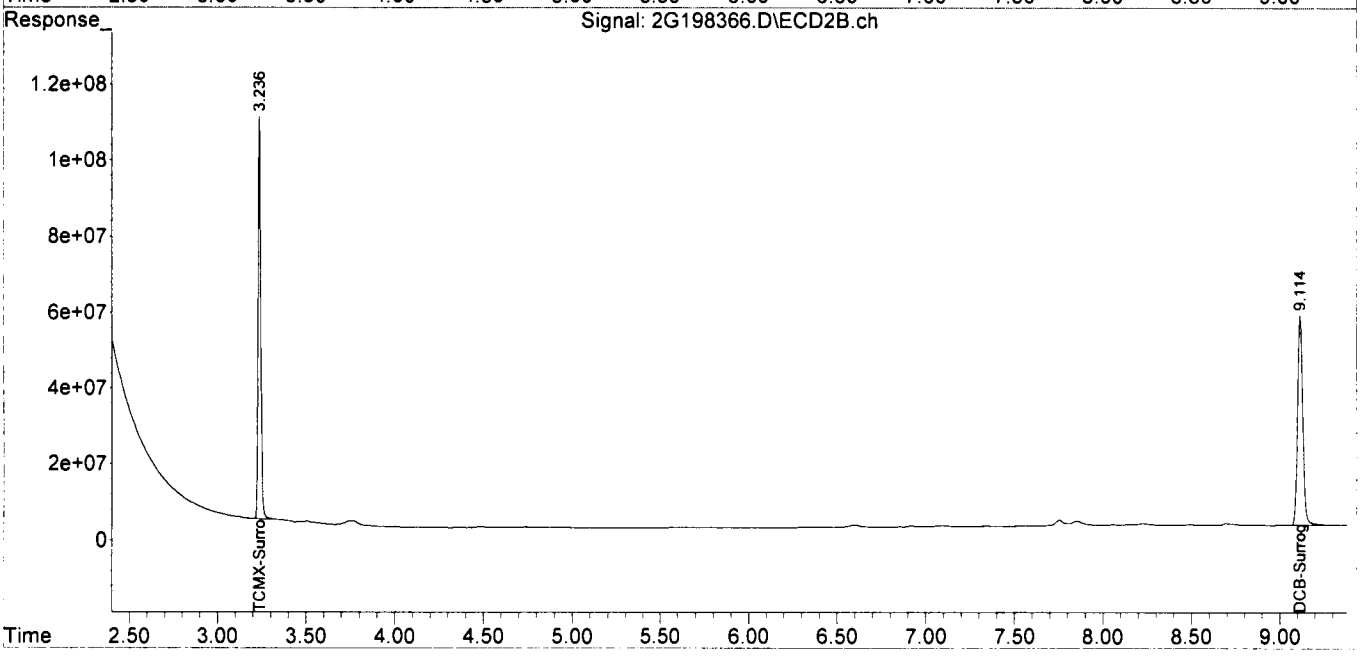
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-15-24\
Data File : 2G198366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Dec 2024 15:04
Operator : AH/PR/KM
Sample : WMB119873
Misc : A,PCB
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 16 10:07:12 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2G_PCB1202M.M
Quant Title : @GC_2,ug,608,8082
QLast Update : Tue Dec 03 10:47:13 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: SMB119887
Client Id:
Data File: 5G1109539.D
Analysis Date: 12/13/24 11:55
Date Rec/Extracted: NA-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.025	U	11097-69-1	Aroclor-1254	0.025	U
11104-28-2	Aroclor-1221	0.025	U	11096-82-5	Aroclor-1260	0.025	U
11141-16-5	Aroclor-1232	0.025	U	37324-23-5	Aroclor-1262	0.025	U
53469-21-9	Aroclor-1242	0.025	U	11100-14-4	Aroclor-1268	0.025	U
12672-29-6	Aroclor-1248	0.025	U				

Worksheet #: 765543

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-13-24\
Data File : 5G1109539.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13-Dec-24, 11:55:44
Operator : PR/KM/AH
Sample : SMB119887
Misc : S,PCB
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:09:43 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.015	3.281	5575.8E6	2371.3E6	69.187	78.664m
45)	DCB-Surrogate	8.197	9.105	4242.3E6	1449.2E6	80.134	77.161

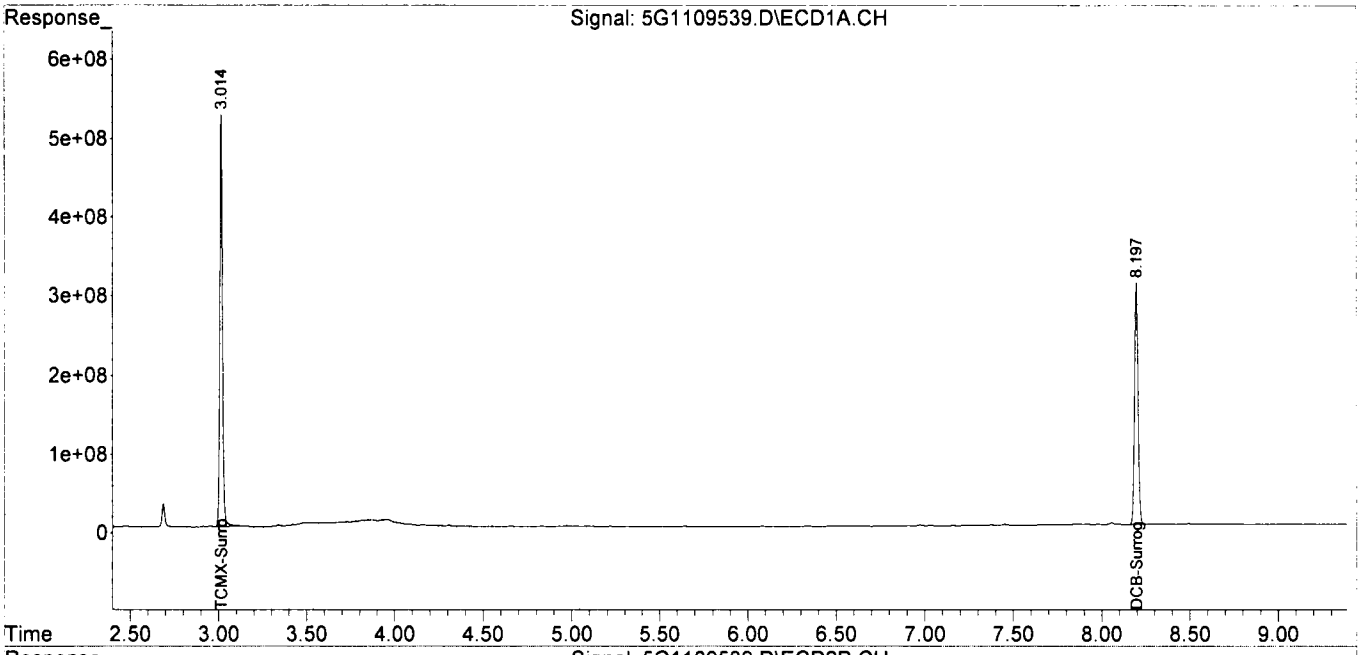
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

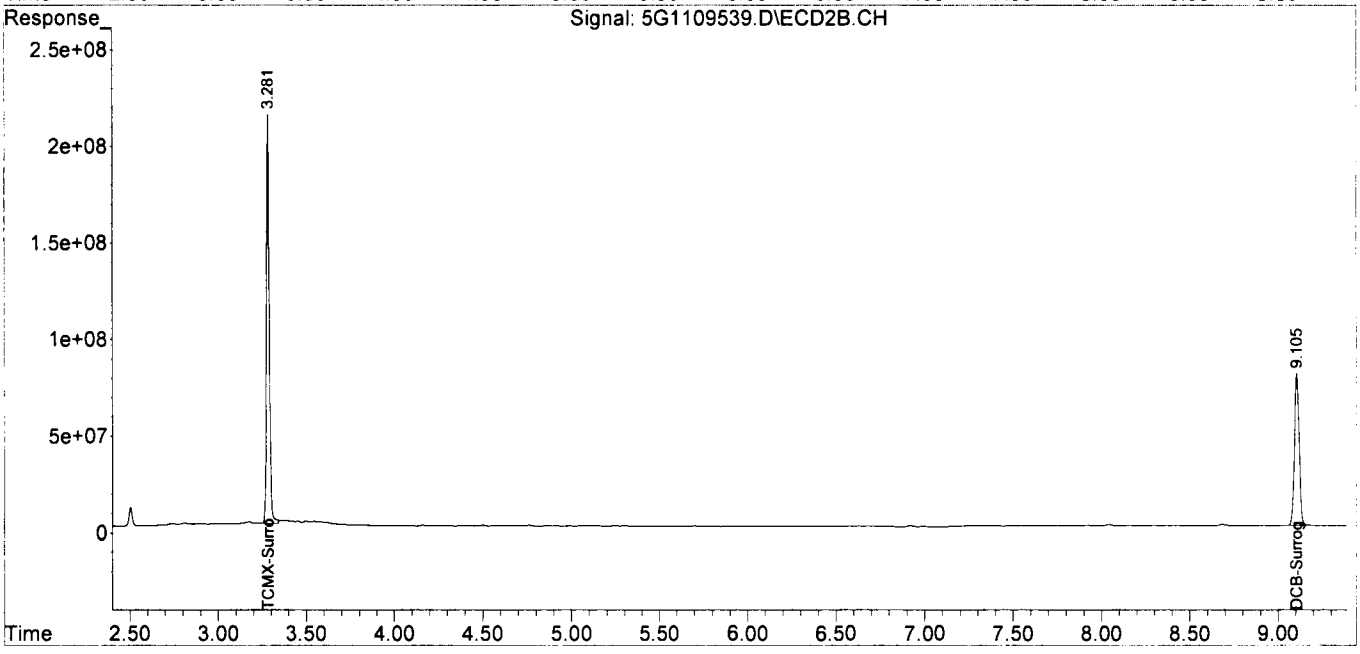
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_5\Data\12-13-24\
Data File : 5G1109539.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13-Dec-24, 11:55:44
Operator : PR/KM/AH
Sample : SMB119887
Misc : S,PCB
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 12:09:43 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PCB REPORT

Sample Number: SMB119882
Client Id:
Data File: 5G1109545.D
Analysis Date: 12/13/24 13:19
Date Rec/Extracted: NA-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8082A
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
12674-11-2	Aroclor-1016	0.025	U	11097-69-1	Aroclor-1254	0.025	U
11104-28-2	Aroclor-1221	0.025	U	11096-82-5	Aroclor-1260	0.025	U
11141-16-5	Aroclor-1232	0.025	U	37324-23-5	Aroclor-1262	0.025	U
53469-21-9	Aroclor-1242	0.025	U	11100-14-4	Aroclor-1268	0.025	U
12672-29-6	Aroclor-1248	0.025	U				

Worksheet #: 765543

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_5\Data\12-13-24\
Data File : 5G1109545.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13-Dec-24, 13:19:56
Operator : PR/KM/AH
Sample : SMB119882
Misc : S,PCB
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 15:12:11 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32

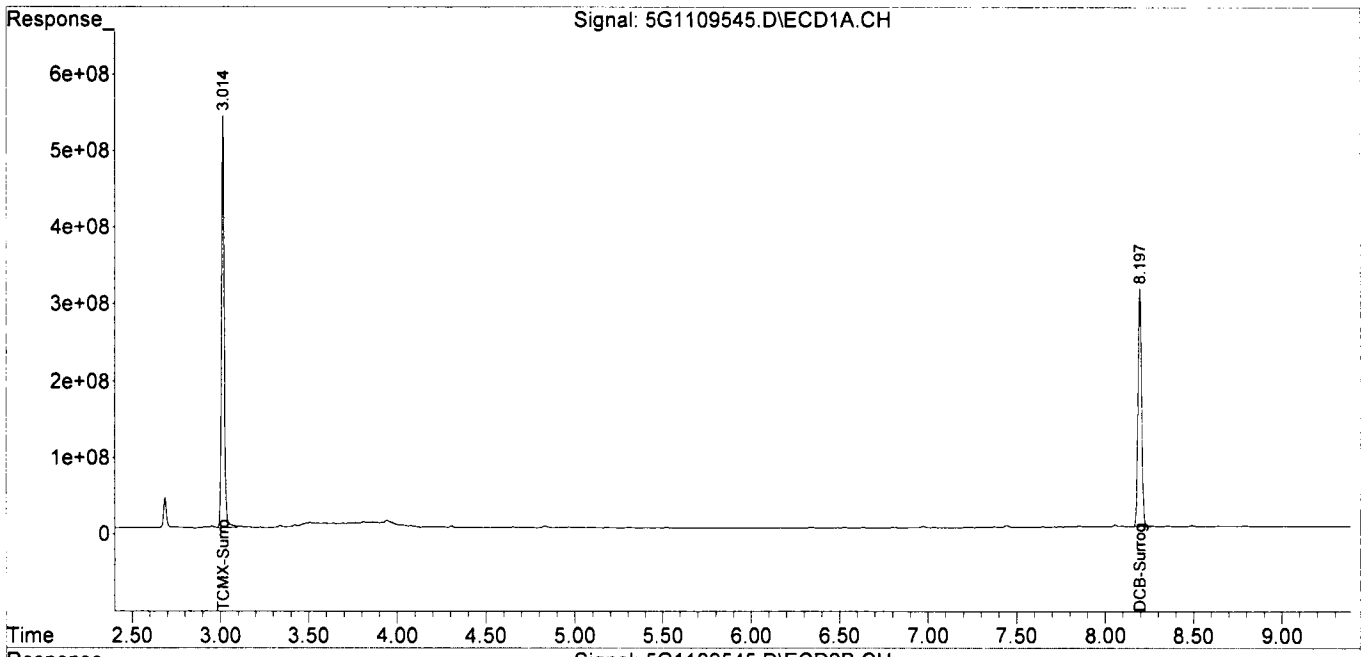
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
	Target Compounds						
1)	TCMX-Surrogate	3.014	3.281	5735.7E6	2392.4E6	71.171	79.364
45)	DCB-Surrogate	8.197	9.105	4415.0E6	1583.4E6	83.397	84.309

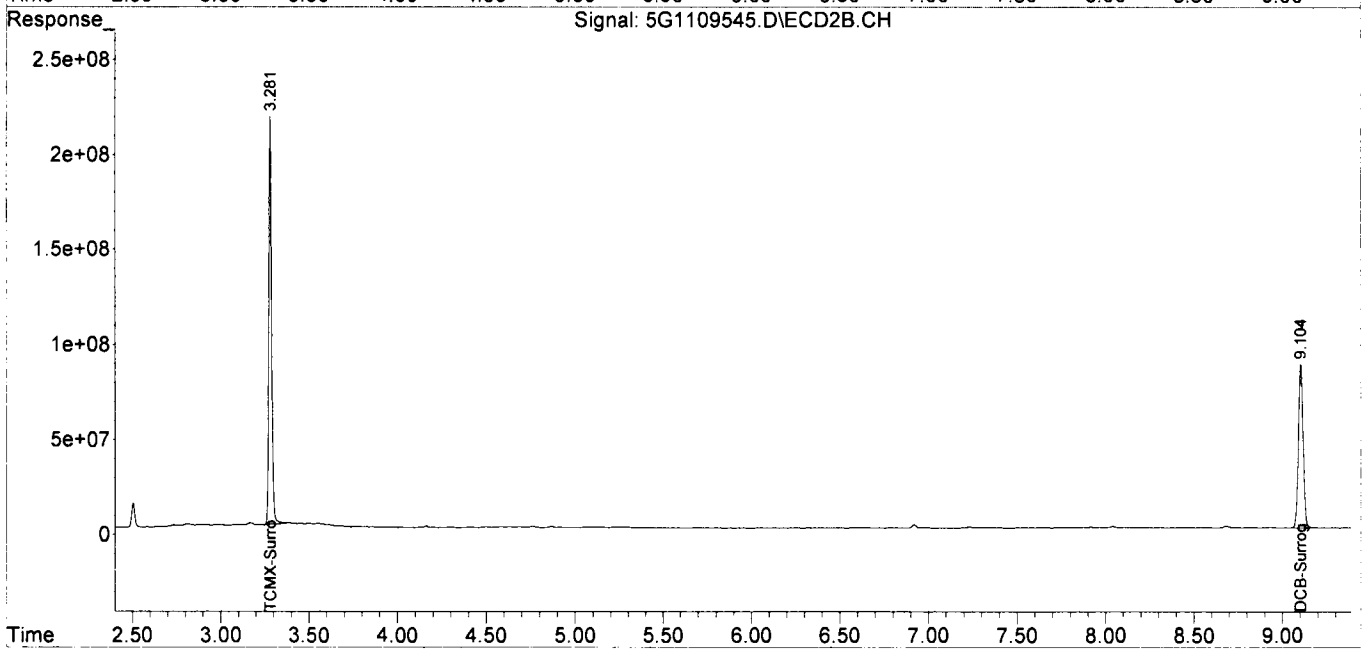
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : G:\Gcdata\2024\GC_5\Data\12-13-24\
Data File : 5G1109545.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13-Dec-24, 13:19:56
Operator : PR/KM/AH
Sample : SMB119882
Misc : S,PCB
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 15:12:11 2024
Quant Method : G:\Gcdata\2024\GC_5\MethodQt\5G_PCB1203.M
Quant Title : @GC_5,ug,608,8082
QLast Update : Wed Dec 04 10:08:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : 0.32 Signal #2 Info : 0.32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: WMB119872
Client Id:
Data File: 6G194176.D
Analysis Date: 12/13/24 12:56
Date Rec/Extracted: NA-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Aqueous
Initial Vol: 1000ml
Final Vol: 5ml
Dilution: 1
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.010	U	53494-70-5	Endrin Ketone	0.010	U
309-00-2	Aldrin	0.010	U	58-89-9	gamma-BHC	0.010	U
319-84-6	alpha-BHC	0.010	U	76-44-8	Heptachlor	0.010	U
319-85-7	beta-BHC	0.010	U	1024-57-3	Heptachlor Epoxide	0.010	U
319-86-8	delta-BHC	0.010	U	72-43-5	Methoxychlor	0.010	U
60-57-1	Dieldrin	0.010	U	72-54-8	p,p'-DDD	0.010	U
959-98-8	Endosulfan I	0.010	U	72-55-9	p,p'-DDE	0.010	U
33213-65-9	Endosulfan II	0.010	U	50-29-3	p,p'-DDT	0.010	U
1031-07-8	Endosulfan Sulfate	0.010	U	8001-35-2	Toxaphene	0.25	U
72-20-8	Endrin	0.010	U	5103-74-2	y-chlordane	0.010	U
7421-93-4	Endrin Aldehyde	0.010	U				

Worksheet #: 765399

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194176.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 12:56
Operator : AH/PR/KM
Sample : WMB119872
Misc : A,PEST
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 13:43:35 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.072	3.317	862.0E6	696.0E6	89.855	92.759
22)DCB-Surrogate	8.298	9.393	846.2E6	663.9E6	99.334	108.549

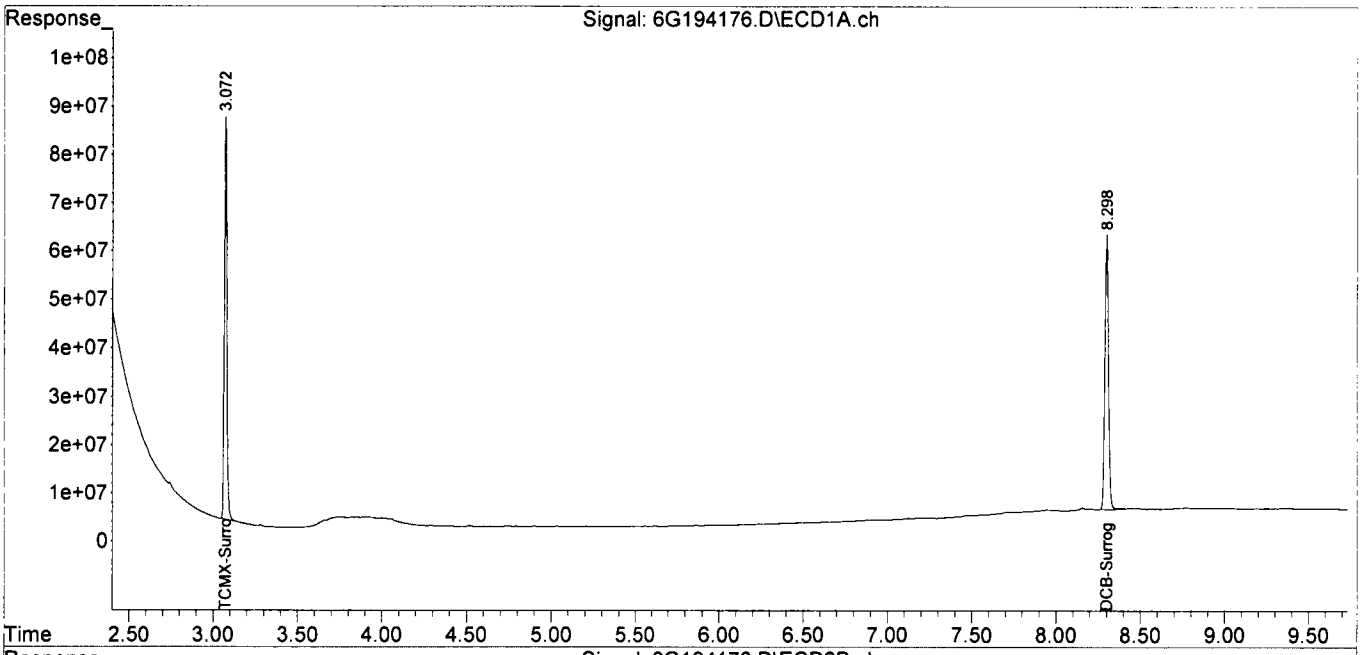
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

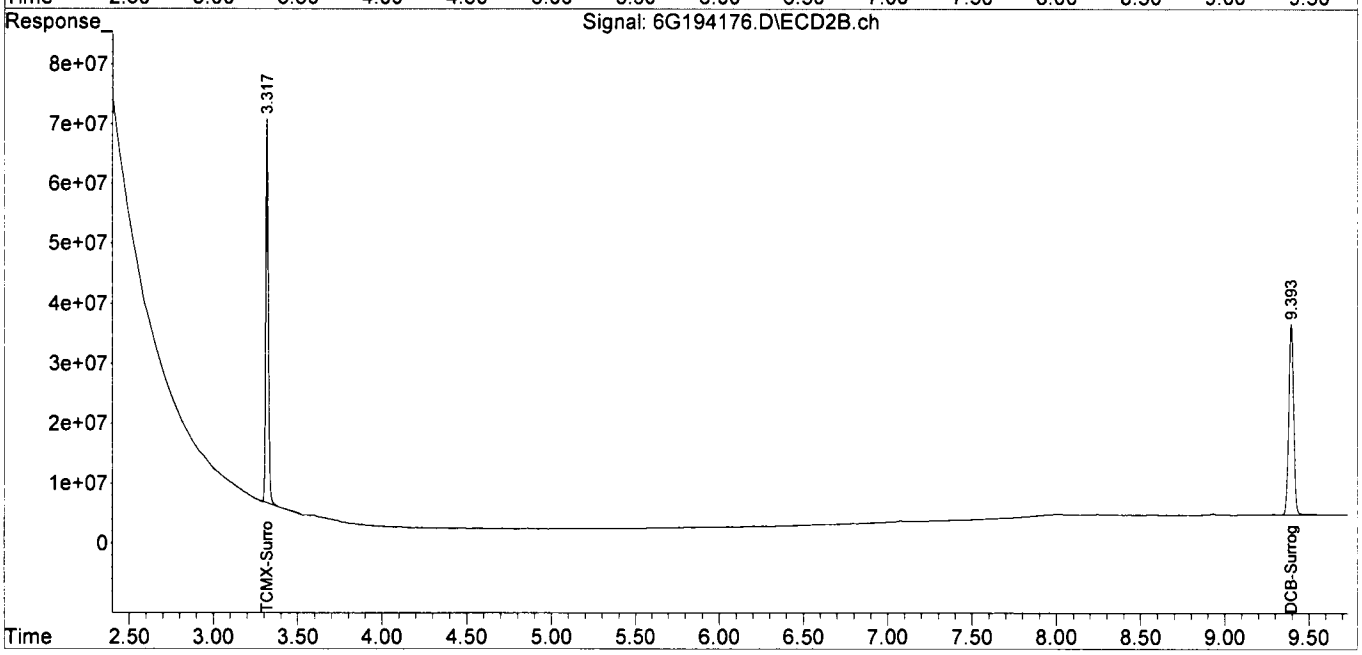
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_6\Data\12-13-24\
Data File : 6G194176.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 12:56
Operator : AH/PR/KM
Sample : WMB119872
Misc : A,PEST
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 13:43:35 2024
Quant Method : G:\GCDATA\2024\GC_6\MethodQt\6_PEST1119.M
Quant Title : @GC_6,ug,608,8081
QLast Update : Wed Dec 11 07:42:23 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: SMB119883
Client Id:
Data File: 2G198351.D
Analysis Date: 12/13/24 13:40
Date Rec/Extracted: NA-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0050	U	53494-70-5	Endrin Ketone	0.0050	U
309-00-2	Aldrin	0.0050	U	58-89-9	gamma-BHC	0.0010	U
319-84-6	alpha-BHC	0.0010	U	76-44-8	Heptachlor	0.0050	U
319-85-7	beta-BHC	0.0010	U	1024-57-3	Heptachlor Epoxide	0.0050	U
319-86-8	delta-BHC	0.0050	U	72-43-5	Methoxychlor	0.0050	U
60-57-1	Dieldrin	0.0010	U	72-54-8	p,p'-DDD	0.0025	U
959-98-8	Endosulfan I	0.0050	U	72-55-9	p,p'-DDE	0.0025	U
33213-65-9	Endosulfan II	0.0050	U	50-29-3	p,p'-DDT	0.0025	U
1031-07-8	Endosulfan Sulfate	0.0050	U	8001-35-2	Toxaphene	0.025	U
72-20-8	Endrin	0.0050	U	5103-74-2	y-chlordane	0.0050	U
7421-93-4	Endrin Aldehyde	0.0050	U				

Worksheet #: 765394

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-13-24\
Data File : 2G198351.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 13:40
Operator : AH/PR/KM
Sample : SMB119883 (Sig #1); (Sig #2)
Misc : S,PEST
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 13:59:42 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2_PEST1121.M
Quant Title : @GC_2,ug,608,8081
QLast Update : Fri Nov 22 09:11:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.027	3.233	816.4E6	1136.4E6	81.334	79.754m
22)DCB-Surrogate	8.293	9.110	661.5E6	919.8E6	74.383	81.198

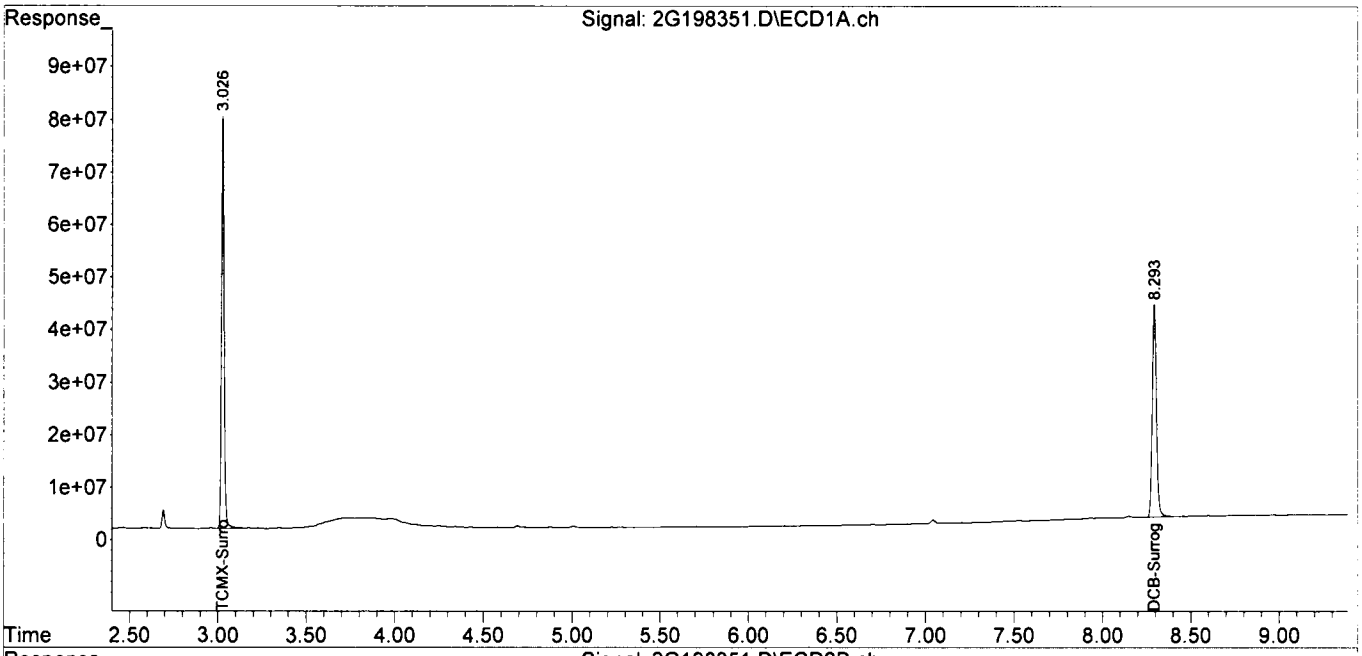
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

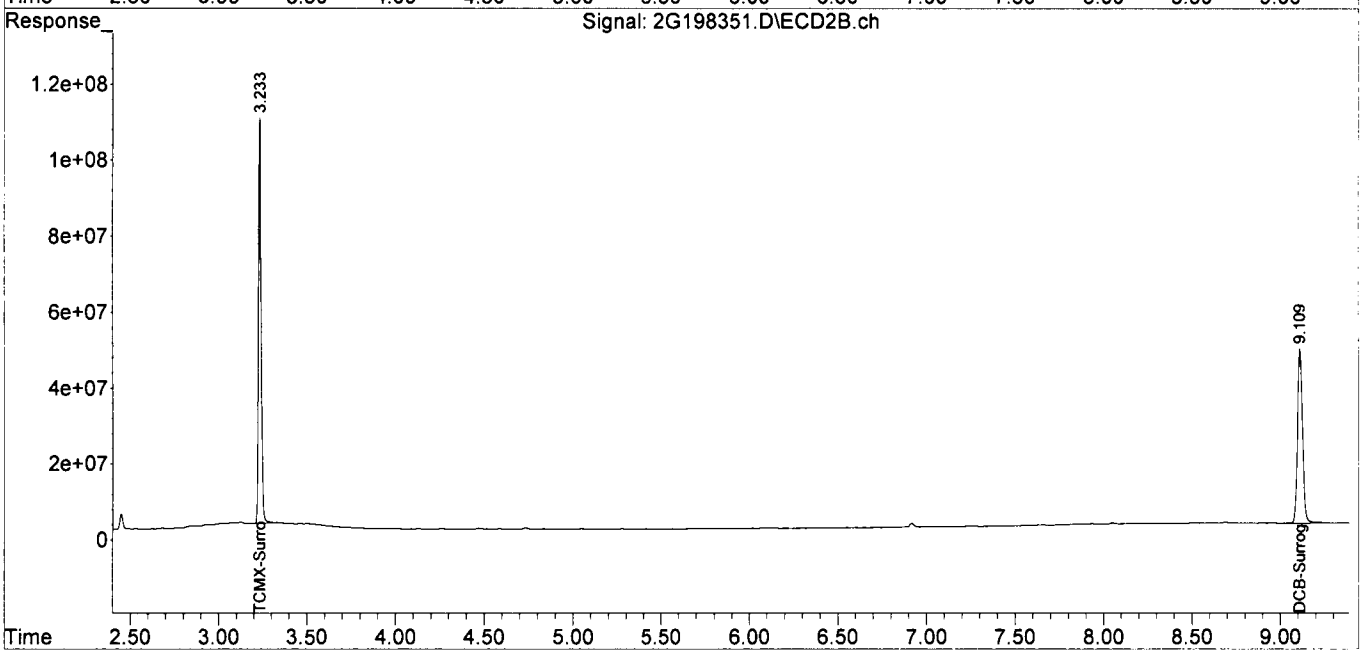
Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-13-24\
Data File : 2G198351.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 13:40
Operator : AH/PR/KM
Sample : SMB119883 (Sig #1); (Sig #2)
Misc : S,PEST
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 13:59:42 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2_PEST1121.M
Quant Title : @GC_2,ug,608,8081
QLast Update : Fri Nov 22 09:11:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32





Form1

ORGANICS PESTICIDE REPORT

Sample Number: SMB119881
Client Id:
Data File: 2G198360.D
Analysis Date: 12/13/24 15:26
Date Rec/Extracted: NA-12/12/24
Column: DB-17/1701P 30M 0.32mm ID 0.25um film

Method: EPA 8081B
Matrix: Soil
Initial Vol: 20g
Final Vol: 10ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
5103-71-9	a-chlordane	0.0050	U	53494-70-5	Endrin Ketone	0.0050	U
309-00-2	Aldrin	0.0050	U	58-89-9	gamma-BHC	0.0010	U
319-84-6	alpha-BHC	0.0010	U	76-44-8	Heptachlor	0.0050	U
319-85-7	beta-BHC	0.0010	U	1024-57-3	Heptachlor Epoxide	0.0050	U
319-86-8	delta-BHC	0.0050	U	72-43-5	Methoxychlor	0.0050	U
60-57-1	Dieldrin	0.0010	U	72-54-8	p,p'-DDD	0.0025	U
959-98-8	Endosulfan I	0.0050	U	72-55-9	p,p'-DDE	0.0025	U
33213-65-9	Endosulfan II	0.0050	U	50-29-3	p,p'-DDT	0.0025	U
1031-07-8	Endosulfan Sulfate	0.0050	U	8001-35-2	Toxaphene	0.025	U
72-20-8	Endrin	0.0050	U	5103-74-2	y-chlordane	0.0050	U
7421-93-4	Endrin Aldehyde	0.0050	U				

Worksheet #: 765394

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-13-24\
Data File : 2G198360.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 15:26
Operator : AH/PR/KM
Sample : SMB119881 (Sig #1); (Sig #2)
Misc : S,PEST
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 16:08:36 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2_PEST1121.M
Quant Title : @GC_2,ug,608,8081
QLast Update : Fri Nov 22 09:11:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32

Compound	RT#1	RT#2	Resp#1	Resp#2	pg#1	pg#2
Target Compounds						
1)TCMX-Surrogate	3.027	3.233	817.8E6	1140.6E6	81.473	80.051m
22)DCB-Surrogate	8.291	9.111	685.1E6	947.8E6	77.033	83.667

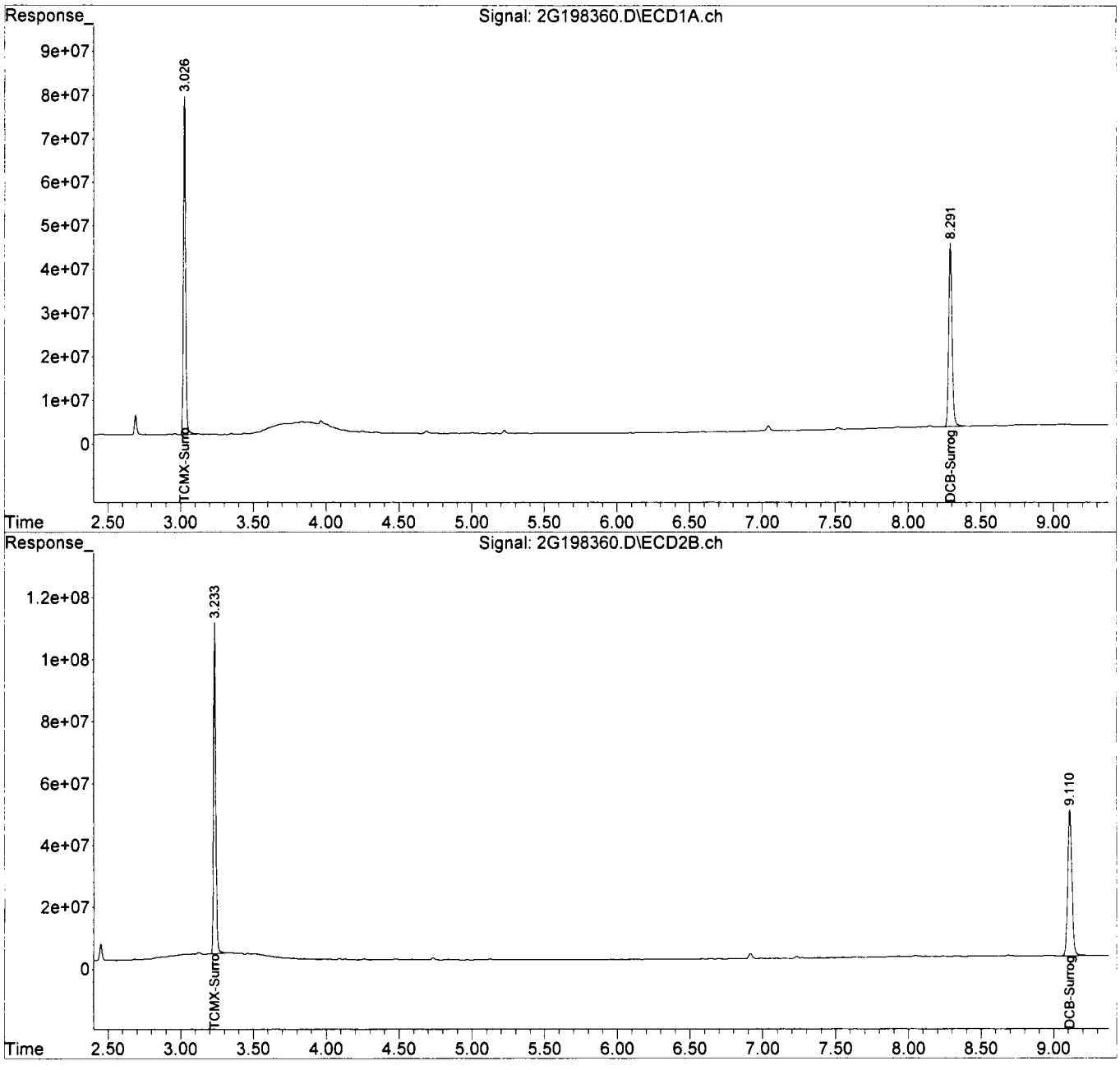
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_2\Data\12-13-24\
Data File : 2G198360.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2024 15:26
Operator : AH/PR/KM
Sample : SMB119881 (Sig #1); (Sig #2)
Misc : S,PEST
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 16:08:36 2024
Quant Method : G:\GCDATA\2024\GC_2\MethodQt\2_PEST1121.M
Quant Title : @GC_2,ug,608,8081
QLast Update : Fri Nov 22 09:11:11 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1ul
Signal #1 Phase : db-1701P Signal #2 Phase: db-17
Signal #1 Info : .32 Signal #2 Info : .32



Form1

ORGANICS PETROLEUM HYDROCARBON REPORT

Sample Number: SMB120307
Client Id:
Data File: 8G675926.D
Analysis Date: 12/17/24 10:14
Date Rec/Extracted: NA-12/16/24
Column: DB-5MS 30M 0.250mm ID 0.25um film

Method: EPA 8015D
Matrix: Soil
Initial Vol: 5g
Final Vol: 1ml
Dilution: 1
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phchpd2	Diesel Range Organics	60	U				

Worksheet #: 765708

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_8\Data\12-17-24\
Data File : 8G675926.D
Signal(s) : FID1A.CH
Acq On : 17-Dec-24, 10:14:35
Operator : AH/ABM/KT/JR
Sample : SMB120307
Misc : S,TPH
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 17 13:40:41 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc	Units	
Target Compounds						
1)mt	C8	0.000	0	N.D.		d
2)mte	C9	0.000	0	N.D.		d
3)mdte	C10	0.000	0	N.D.		d
4)mdte	C12	0.000	0	N.D.		d
5)mdte	C14	0.000	0	N.D.		d
6)dte	C16	0.000	0	N.D.		d
7)dte	C17	0.000	0	N.D.		d
8)dte	Pristane	0.000	0	N.D.		d
9)dte	C18	0.000	0	N.D.		d
10)dte	Phytane	0.000	0	N.D.		d
11)dte	C20	0.000	0	N.D.		d
12)dte	C22	0.000	0	N.D.		d
13)dte	C24	0.000	0	N.D.		d
14)dte	C26	0.000	0	N.D.		d
15)dte	C28	0.000	0	N.D.		d
16)te	C30	0.000	0	N.D.		d
17)te	C32	0.000	0	N.D.		d
18)te	C34	0.000	0	N.D.		d
19)te	C36	0.000	0	N.D.		d
20)t	C40	0.000	0	N.D.		d
21)	Chlorobenzene	2.244	12070	6.493		m
22)	O-Terphenyl	6.467	38670	12.625		
23)d	Diesel Range Organics(T	6.466f	177948	71.112		m
24)t	Total Petroleum Hydroca	6.466f	483350	194.452		m
25)e	Ext. Petroleum Hydrocar	0.000	0	N.D.		d
26)m	Mineral Spirits(TOTAL)	0.000	0	N.D.		d
27)m	Stoddard Solvent(TOTAL)	0.000	0	N.D.		d

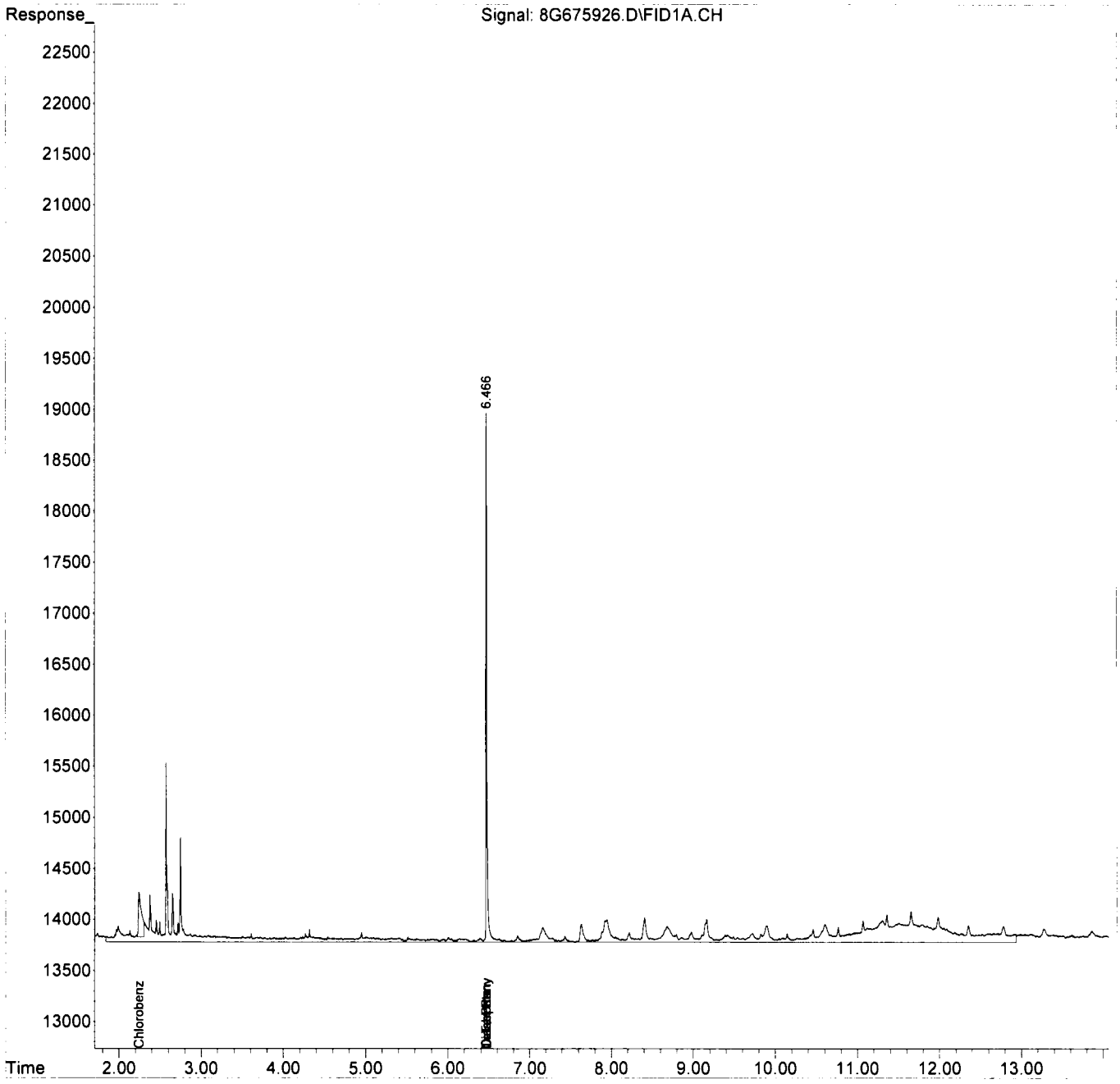
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\Gcdata\2024\GC_8\Data\12-17-24\
Data File : 8G675926.D
Signal(s) : FID1A.CH
Acq On : 17-Dec-24, 10:14:35
Operator : AH/ABM/KT/JR
Sample : SMB120307
Misc : S,TPH
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 17 13:40:41 2024
Quant Method : G:\GCDATA\2024\GC_8\METHODQT\8G_T(C8-C40)0822.M
Quant Title : @GC_8,mg,8015
QLast Update : Thu Aug 22 13:10:04 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :



Form1

ORGANICS REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 13AM30966.D
Analysis Date: 12/13/24 13:55
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8015D
Matrix: Methanol
Initial Vol: 5g:10ml
Final Vol: NA
Dilution: 100
Solids: 100

Units: mg/Kg

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
phcg	Gasoline Range Organics	25	U				

Worksheet #: 765523

Total Target Concentration 0

ColumnID: (^) Indicates results from 2nd column

U - Indicates the compound was analyzed but not detected.
B - Indicates the analyte was found in the blank as well as in the sample.
E - Indicates the analyte concentration exceeds the calibration range of the instrument.
R - Retention Time Out
J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
d - Pesticide %Diff>40% between columns due to coelution. Lower concentration usea

Quantitation Report (QT Reviewed)

Data Path : G:\GcMsData\2024\GC_13A\Data\12-13-24\
Data File : 13AM30966.D
Signal(s) : FID1A.ch
Acq On : 13 Dec 2024 13:55
Operator : WP/MD
Sample : DAILY BLANK
Misc : M,MEOH
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 13 14:18:35 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1)S 1,4-Dichlorobenzene-d4	9.404	675829	30.135	
Target Compounds				
2) 2-Methylpentane	0.000	0	N.D.	
3) 1,2,4-Trimethylbenzene	0.000	0	N.D.	
4)g Gasoline Range Organics	0.000	0	N.D.	ug/L d

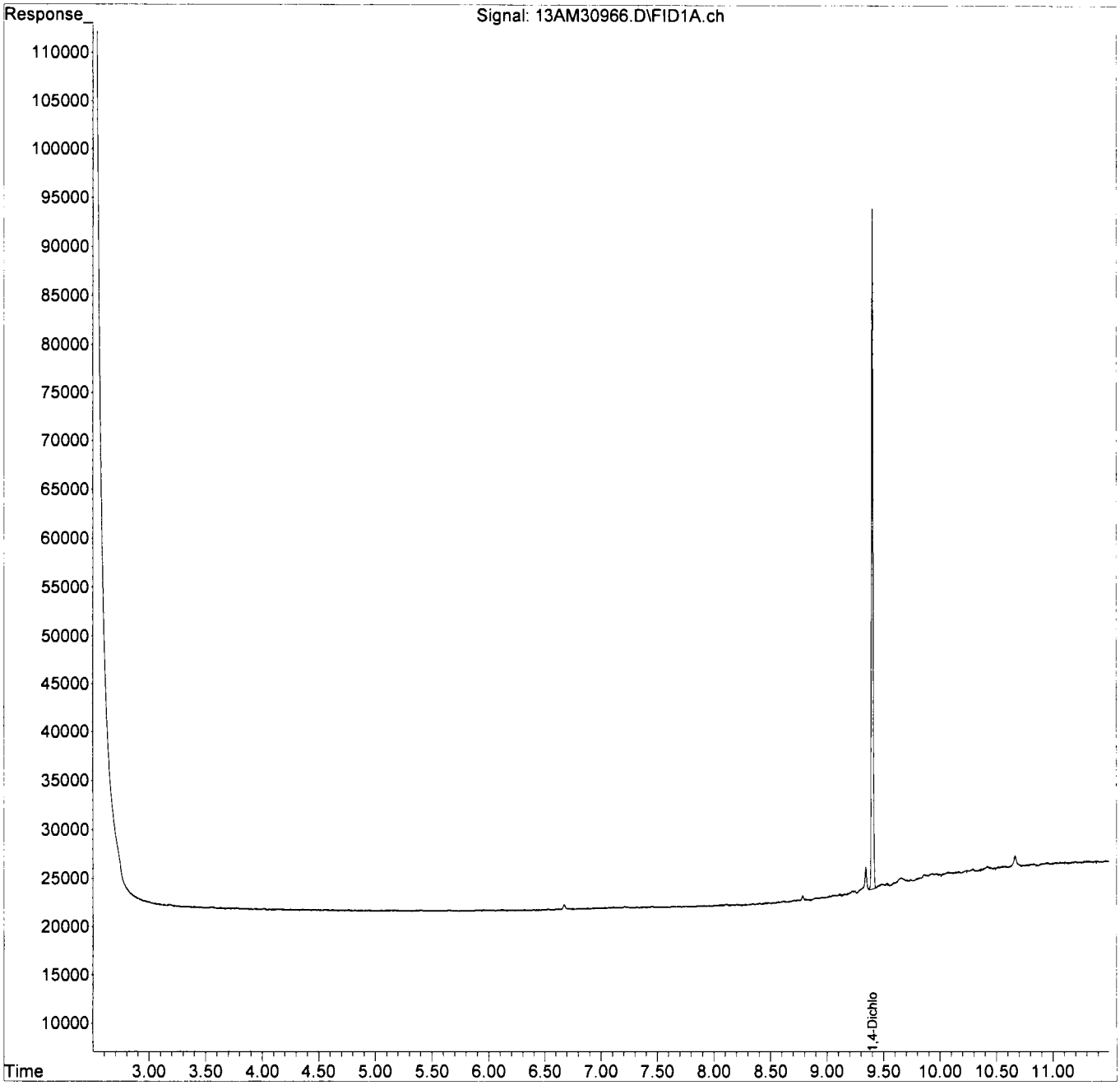
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : G:\GcMsData\2024\GC_13A\Data\12-13-24\
Data File : 13AM30966.D
Signal(s) : FID1A.ch
Acq On : 13 Dec 2024 13:55
Operator : WP/MD
Sample : DAILY BLANK
Misc : M,MEOH
ALS Vial : 5 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Dec 13 14:18:35 2024
Quant Method : G:\GcMsData\2024\GC_13A\MethodQt\13AM_G1121.M
Quant Title : @GC_13A,ug,8015
QLast Update : Fri Nov 22 00:39:50 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :



FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/11/24
Data File: S121124ANEW
Prep Batch: 116706
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: MS3_7700SWA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4121001

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-431115-10	CCB V-431115-18	CCB V-431115-27	CCB V-431115-39	CCB V-431115-51	CCB V-431115-56	MB 116706-19
Aluminum	50 U	100 U	100 U	100 U	100 U	100U	10000U
Antimony	.75 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5U	150U
Arsenic	.5 U	1 U	1 U	1 U	1 U	1U	100U
Barium	1.25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5U	250U
Beryllium	.25 U	.5 U	.5 U	.5 U	.5 U	.5U	50U
Cadmium	.5 U	1 U	1 U	1 U	1 U	1U	100U
Calcium	250 U	500 U	500 U	500 U	500 U	500U	50000U
Chromium	.5 U	1 U	1 U	1 U	1 U	1U	100U
Cobalt	.5 U	1 U	1 U	1 U	1 U	1U	100U
Copper	2.5 U	5 U	5 U	5 U	5 U	5U	500U
Iron	75 U	150 U	150 U	150 U	150 U	150U	15000U
Lead	.75 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5U	150U
Magnesium	250 U	500 U	500 U	500 U	500 U	500U	50000U
Manganese	2.5 U	5 U	5 U	5 U	5 U	5U	500U
Nickel	2.5 U	5 U	5 U	5 U	5 U	5U	500U
Potassium	250 U	500 U	500 U	500 U	500 U	500U	50000U
Selenium	2.5 U	5 U	5 U	5 U	5 U	5U	500U
Silver	.5 U	1 U	1 U	1 U	1 U	1U	100U
Sodium	250 U	500 U	500 U	500 U	500 U	500U	50000U
Thallium	.5 U	1 U	1 U	1 U	1 U	1U	100U
Vanadium	.5 U	1 U	1 U	1 U	1 U	1U	100U
Zinc	10 U	20 U	20 U	20 U	20 U	20U	2000U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/12/24
Data File: S121224ANEW
Prep Batch: 116706
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: MS3_7700SWA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4121001

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-431115-10	CCB V-431115-18	CCB V-431115-23
Copper	2.5 U	5 U	5 U
Manganese	2.5 U	5 U	5 U
Zinc	10 U	20 U	20 U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/13/24
Data File: H31598S
Prep Batch: 116706
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: HGCV3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4121001

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-431206-9	CCB V-431206-21	MB 116706 (167)-10
Mercury	.5U	.5U	83U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/13/24
Data File: H31598SB
Prep Batch: 116706
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: HGCV3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4121001

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-431206-9	CCB V-431206-21	CCB V-431206-24
Mercury	.5U	.5U	.5U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/13/24
Data File: SW31602A
Prep Batch: 116710
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: MS4_7800SWA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4121001

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-431115-10	CCB V-431115-18	CCB V-431115-30	CCB V-431115-42	CCB V-431115-50	MB 116710-19
Aluminum	50 U	100 U	100 U	100 U	100 U	100U
Antimony	.75 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5U
Arsenic	.5 U	1 U	1 U	1 U	1 U	1U
Barium	1.25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5U
Beryllium	.25 U	.5 U	.5 U	.5 U	.5 U	.5U
Cadmium	.5 U	1 U	1 U	1 U	1 U	1U
Calcium	250 U	500 U	500 U	500 U	500 U	500U
Chromium	.5 U	1 U	1 U	1 U	1 U	1U
Cobalt	.5 U	1 U	1 U	1 U	1 U	1U
Copper	2.5 U	5 U	5 U	5 U	5 U	5U
Iron	75 U	150 U	150 U	150 U	150 U	150U
Lead	.75 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5U
Magnesium	250 U	500 U	500 U	500 U	500 U	500U
Manganese	2.5 U	5 U	5 U	5 U	5 U	5U
Nickel	2.5 U	5 U	5 U	5 U	5 U	5U
Potassium	250 U	500 U	500 U	500 U	500 U	500U
Selenium	2.5 U	5 U	5 U	5 U	5 U	5U
Silver	.5 U	1 U	1 U	1 U	1 U	1U
Sodium	250 U	500 U	500 U	500 U	500 U	500U
Thallium	.5 U	1 U	1 U	1 U	1 U	1U
Vanadium	.5 U	1 U	1 U	1 U	1 U	1U
Zinc	10 U	20 U	20 U	20 U	20 U	20U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/17/24
Data File: SW31602B
Prep Batch: 116710
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: MS4_7800SWA
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4121001

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-431115-10	CCB V-431115-18	CCB V-431115-30	CCB V-431115-42	CCB V-431115-47	MB 116710-19
Barium	1.25U	2.5U	2.5U	2.5U	2.5U	2.5U
Beryllium	.25U	.5U	.5U	.5U	.5U	.5U
Lead	.75U	1.5U	1.5U	1.5U	1.5U	1.5U
Manganese	2.5U	5U	5U	5U	5U	5U
Thallium	.5U	1U	1U	1U	1U	1U
Vanadium	.5U	1U	1U	1U	1U	1U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/16/24
Data File: H31602SWC
Prep Batch: 116710
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: HGCV3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4121001

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-431391-9	CCB V-431391-21	CCB V-431391-33	MB 116710 (1)-10
Mercury	.5U	.5U	.5U	.5U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/11/24
Data File: T31601A3
Prep Batch: 116709
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: PEICP3A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4121001

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-430630-6	CCB V-430630-16	CCB V-430630-24	CCB V-430630-32	CCB V-430630-41	MB 116709 (1)-10	EF V-430744-14
Arsenic	.05 U	.1 U	.1 U	.1 U	.1 U	.05U	.1U
Barium	.125 U	.25 U	.25 U	.25 U	.25 U	.13U	.25U
Beryllium	.01 U	.02 U	.02 U	.02 U	.02 U	.01U	.02U
Cadmium	.025 U	.05 U	.05 U	.05 U	.05 U	.025U	.05U
Chromium	.05 U	.1 U	.1 U	.1 U	.1 U	.05U	.1U
Copper	.05 U	.1 U	.1 U	.1 U	.1 U	.05U	.1U
Lead	.025 U	.05 U	.05 U	.05 U	.05 U	.025U	.05U
Nickel	.05 U	.1 U	.1 U	.1 U	.1 U	.05U	.1U
Selenium	.05 U	.1 U	.1 U	.1 U	.1 U	.05U	.1U
Silver	.025 U	.05 U	.05 U	.05 U	.05 U	.025U	.05U
Zinc	.05 U	.1 U	.1 U	.1 U	.1 U	.05U	.1U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

FORM 3
(ICB/CCB/MB Summary)

Date Analyzed: 12/13/24
Data File: H31601TB
Prep Batch: 116709
Reporting Limits Used: 6010D, 6020B, 7470A, 7471B
Instrument: HGCV4A
Units: All units in ppm except Hg and icp-ms in ppb
Project Number: 4121001

Lab Name: Hampton-Clarke
Lab Code:
Contract:
Nras No:
Sdg No:
Case No:

Analyte	ICB V-431196-9	CCB V-431196-21	CCB V-431196-29	MB 116709 (1)-10	EF V-430744-27
Mercury	.5 U	.5 U	.5 U	.5 U	.5 U

Notes: a -for methods 7470A, 7471B indicates absolute value of result found above the reporting limits in ICB/CCB/MB.
for methods 6010D, 6020B indicates absolute value of result found above the reporting limit in CCB or above 1/2 the reporting limit in ICB/MB.

u-indicates result below reporting criteria.

VERITECH Wet Chem Form1 Analysis Summary

Lab#: AD48589-012
Matrix Soil
Client SampleID: SB-22-COMP
Project Number: 4121001
Received Date: 12/9/2024
Collect Date: 12/6/2024

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Cyanide (Reactive)	CN-REACTIVE	1	ND	mg/Kg	0.50	12/12/24	12/13/24
Flame Propagation (POS/NEG)	IGNIT-1030	1	NEG			12/11/24	12/11/24
Burning Rate (mm/sec)	IGNIT-1030	1	NA			12/11/24	12/11/24
Ignitability (POS/NEG)	IGNIT-1030	1	NEG			12/11/24	12/11/24
pH	PH-SOIL	1	8.0	pH			12/11/24
Temperature	PH-SOIL	1	22.1	C			12/11/24
Sulfide (Reactive)	S-REACTIVE	1	ND	mg/kg	100	12/12/24	12/13/24

Lab#: AD48589-013
Matrix Soil
Client SampleID: SB-17-COMP
Project Number: 4121001
Received Date: 12/9/2024
Collect Date: 12/6/2024

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Cyanide (Reactive)	CN-REACTIVE	1	ND	mg/Kg	0.50	12/12/24	12/13/24
Flame Propagation (POS/NEG)	IGNIT-1030	1	NEG			12/11/24	12/11/24
Burning Rate (mm/sec)	IGNIT-1030	1	NA			12/11/24	12/11/24
Ignitability (POS/NEG)	IGNIT-1030	1	NEG			12/11/24	12/11/24
Temperature	PH-SOIL	1	22.1	C			12/11/24
pH	PH-SOIL	1	6.7	pH			12/11/24
Sulfide (Reactive)	S-REACTIVE	1	ND	mg/kg	100	12/12/24	12/13/24

Lab#: AD48589-014
Matrix Soil
Client SampleID: SB-08-COMP
Project Number: 4121001
Received Date: 12/9/2024
Collect Date: 12/4/2024

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Cyanide (Reactive)	CN-REACTIVE	1	ND	mg/Kg	0.50	12/12/24	12/13/24
Flame Propagation (POS/NEG)	IGNIT-1030	1	NEG			12/11/24	12/11/24
Burning Rate (mm/sec)	IGNIT-1030	1	NA			12/11/24	12/11/24
Ignitability (POS/NEG)	IGNIT-1030	1	NEG			12/11/24	12/11/24
pH	PH-SOIL	1	6.7	pH			12/11/24
Temperature	PH-SOIL	1	22.1	C			12/11/24
Sulfide (Reactive)	S-REACTIVE	1	ND	mg/kg	100	12/12/24	12/13/24

Lab#: AD48589-015
Matrix Soil
Client SampleID: SB-24-COMP
Project Number: 4121001
Received Date: 12/9/2024
Collect Date: 12/4/2024

Analysis	TestGroup	Dilution:	Result	Units:	RL	Prep Date:	Analysis Date:
Cyanide (Reactive)	CN-REACTIVE	1	ND	mg/Kg	0.50	12/12/24	12/13/24
Flame Propagation (POS/NEG)	IGNIT-1030	1	NEG			12/11/24	12/11/24
Burning Rate (mm/sec)	IGNIT-1030	1	NA			12/11/24	12/11/24
Ignitability (POS/NEG)	IGNIT-1030	1	NEG			12/11/24	12/11/24
pH	PH-SOIL	1	6.6	pH			12/11/24
Temperature	PH-SOIL	1	22.0	C			12/11/24
Sulfide (Reactive)	S-REACTIVE	1	ND	mg/kg	100	12/12/24	12/13/24

Analysis Type: PH-S

Batch Number: PH-S-2535

Units: pH

Calibration Curve Information

Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
DUP	AD48589-012	0	NA	20	8.03	NA	0.12	
LCS	LCS	4.4	80-120	NA	4.59	104	NA	

Analytical Method(s)

9045D

Sam #	Type	MB	Result	RL	Per Sol	Full Result	PH	TEMP	Prep Date	Prep By	Anal Date	Anal By
LCS	LCS		4.6		100	4.59	4.59	23.0			12/11/24	PR
AD48589-012	DUP		8.0		100	8.03	8.03	22.0			12/11/24	PR
AD48589-012	Sample		8.0		100	8.02	8.02	22.1			12/11/24	PR
AD48589-013	Sample		6.7		100	6.71	6.71	22.1			12/11/24	PR
AD48589-014	Sample		6.7		100	6.69	6.69	22.1			12/11/24	PR
AD48589-015	Sample		6.6		100	6.56	6.56	22.0			12/11/24	PR
AD48611-002	Sample		10		100	10.29	10.29	22.0			12/11/24	PR

Flag Codes: Ra - Recovery failed specified criteria (PVS/LCS/MS/MSD/ICV/CAL)
Na - Not Applicable
Rp - RPD failed specified criteria.
Nc - Not Checked ..either one or both values =ND

MS/MSD/DUP Recovery

Prep Batch: S-1949 Sample ID: AD48574-002
Method: SW846 7.3 Matrix: Soil

Qc Type: MS		Limits			MS	Sample			MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov		Dil	Conc	Conc	% Rec	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Cyanide (Reactive)	0.4	75-125		1	0.3634	0	91		20241213105	13	12/13/24 11:21	20241213105	15	12/13/24 11:26

Qc Type: MSD		Limits			MSD	Sample				MS/MSD/DUP			Non Spike		
Analyte	Amt	Recov	Rpd	Dil	Conc	Conc	% Rec	Rpd	Flag	Batch	RunID	Analysis Date	Batch	RunID	Analysis Date
Cyanide (Reactive)	0.4	75-125	20	1	0.3843	0	96	5.6		20241213105	14	12/13/24 11:24	20241213105	15	12/13/24 11:26

LCS Recoveries

	BatchRunID/RunID:====>			202412131053-12						
	QcBatchID:====>			LCSS-1949						
	Date/Time:====>			12/13/24 11:19						
	Analytical Method:====>			SW846 7.3						
	Matrix:====>			Soil		Soil		Soil		Soil		Soil	
Analyte	SW846 7.3 **Amt**	**Limits**	**Amt**	**Limits**	% Rec	Flags	% Rec	Flags	% Rec	Flags	% Rec	Flags	% Rec	Flags
Cyanide (Rea	0.4	75-125			104									

Calibration Summary:

Instrument: DA1
Analysis Meth: SW846 7.3

Analyte	Batch ID	Run#	Qc Type	Recov	Spk Amt	Limit
Cyanide (Reactive)	20241213105	9	ICV	101	0.4	90-110
Cyanide (Reactive)	20241213105	21	CCV	100	0.4	90-110
Cyanide (Reactive)	20241213105	33	CCV	99	0.4	90-110
Cyanide (Reactive)	20241213105	38	CCV	103	0.4	90-110

Blank Summary

Instrument: DA1

Qc Type: Method Blank Summary Prep Date: 12/12/24

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
202412131053	12/13/24 11:17	MBS-1949	11	Cyanide (	ND	0.50

Qc Type: ICB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
202412131053	12/13/24 11:14	CCB	10	Cyanide (	ND	0.020

Qc Type: CCB Summary Prep Date: NA

Run Batch ID	Analysis Date/Time	Sample ID	Run#	Analyte	Conc	RL
202412131053	12/13/24 11:42	CCB	22	Cyanide (	ND	0.020
202412131053	12/13/24 12:10	CCB	34	Cyanide (	ND	0.020
202412131053	12/13/24 12:18	CCB	39	Cyanide (	ND	0.020

Analysis Type: RS

Batch Number: RS-1949

Units: mg/kg

Calibration Curve Information

Qc Summary Results

Qc Type	Qc Name	SpkAmt	Rec Lim	Rpd Lim	Raw Result	Recov	Rpd	Flags
CAL-01	CAL-01-12/13/24	16	90-110	NA	15.62925	98	NA	
LCS	LCS	400	80-120	NA	410.76875	103	NA	
MS	AD48574-002	400	80-120	NA	410.76875	103	NA	
MSD	AD48574-002	400	80-120	20	390.73125	98	5	

Analytical Method(s)

SW846 7.3

Sam #	Type	MB	Result	RL	Per Sol	Full Result	Titr Vol	Iod Vol	DF	Sam Wt (g)	Scrb Vol (ml)	Prep Date	Prep By	Anal Date	Anal By
CAL-01-12/13/24	CAL-01		16		100	15.629	6.1	10	1	250	250			12/13/24	PT
MB-1-12/12/24	MB	MB-1-12/12/24	ND	100	100	30.056	9.7	10	1	10	250	12/12/24	PR	12/13/24	PT
LCS	LCS	MB-1-12/12/24	410	100	100	410.77	5.9	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48574-002	MS	MB-1-12/12/24	410	100	90	410.77	5.9	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48574-002	MSD	MB-1-12/12/24	390	100	90	390.73	6.1	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48574-002	Sample	MB-1-12/12/24	ND	100	90	50.094	9.5	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48589-012	Sample	MB-1-12/12/24	ND	100	90	40.075	9.6	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48589-013	Sample	MB-1-12/12/24	ND	100	84	50.094	9.5	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48589-014	Sample	MB-1-12/12/24	ND	100	80	80.15	9.2	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48589-015	Sample	MB-1-12/12/24	ND	100	74	40.075	9.6	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48611-002	Sample	MB-1-12/12/24	ND	100	94	70.131	9.3	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48247-007	Sample	MB-1-12/12/24	ND	100	92	50.094	9.5	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48667-001	Sample	MB-1-12/12/24	ND	100	100	50.094	9.5	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48667-002	Sample	MB-1-12/12/24	ND	100	100	60.112	9.4	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48667-003	Sample	MB-1-12/12/24	ND	100	100	40.075	9.6	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48667-004	Sample	MB-1-12/12/24	ND	100	96	30.056	9.7	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48667-005	Sample	MB-1-12/12/24	ND	100	100	60.112	9.4	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48666-001	Sample	MB-1-12/12/24	ND	100	100	70.131	9.3	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48666-002	Sample	MB-1-12/12/24	ND	100	100	30.056	9.7	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48666-003	Sample	MB-1-12/12/24	ND	100	100	60.112	9.4	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48666-004	Sample	MB-1-12/12/24	ND	500	100	350.66	9.3	10	1	2	250	12/12/24	PR	12/13/24	PT
AD48621-001	Sample	MB-1-12/12/24	ND	100	87	70.131	9.3	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48621-003	Sample	MB-1-12/12/24	ND	100	86	80.15	9.2	10	1	10	250	12/12/24	PR	12/13/24	PT
AD48621-005	Sample	MB-1-12/12/24	ND	100	86	60.112	9.4	10	1	10	250	12/12/24	PR	12/13/24	PT

Flag Codes: Ra - Recovery failed specified criteria (PVS/LCS/MS/MSD/ICV/CAL)
Na - Not Applicable
Rp - RPD failed specified criteria.
Nc - Not Checked ..either one or both values =ND

Miscellaneous Data

Hampton-Clarke, Inc.

LEACHATE PREPARATION LOG
(TCLP, SPLP)

Start Date: 12/10/2024 TIME: 2:50PM Finish Date: 12/11/2024

**TCLP Ext. Fluid #1 pH: 4.94 (criteria: 4.93 ± 0.05)
**TCLP Ext. Fluid #2 pH: ____ (criteria: 2.88 ± 0.05)
**SPLP Ext. Fluid #3 pH: 4.17 (criteria: 4.20 ± 0.05)

Sample #	pH (units)	pH in HCL (units)	Final pH (units)	Ext. Fluid (number)	Wt./Vol of Sample (g or mL)	Start Time	Finish Time	Filter Time	Analyst (s)	Ext. Type*	Comments
48523-001	6.83	1.61	4.83	V-430744	50g/1L	4:35	8:53	10:15	DC	T	Balance ID: M
48574-002	7.97	1.77	4.70	↓	150g/3L	↓	↓	↓	↓	↓	pH Meter ID: M/O
48578-003	9.39	1.87	4.97	↓	50g/1L	↓	↓	10:25	↓	↓	Pipette ID: M
48591-001	8.70	1.88	4.76	↓	25g/0.5L	↓	↓	↓	↓	↓	↓
48593-002	5.48	1.70	4.71	↓	50g/1L	↓	↓	10:40	↓	↓	↓
48436-001	—	—	9.65	V-429712	22g/0.4L	↓	↓	↓	↓	P	O
48589-012	8.22	1.95	5.17	V-430744	50g/1L	↓	↓	10:50	↓	T	M
-013	7.31	1.82	4.72	↓	↓	↓	↓	↓	↓	↓	↓
-014	7.18	1.84	4.76	↓	↓	↓	↓	11:00	↓	↓	↓
-015	7.33	1.74	4.75	↓	↓	↓	↓	↓	↓	↓	↓
EFI V-430744	4.94	—	4.61	—	3L	↓	↓	9:45	↓	—	—
SPLP V-429712	4.17	—	8.05	—	2L	↓	↓	↓	↓	—	—

* Ext. Type: TCLP = T (Method 1311) LAMP=L (Methods 1311 / ANSI/NEMA C78.LL 1256-2003)
SPLP = P (Method 1312) MEP=M (Method 1320)
ZHE = Z (Method 1311/1312)

** The pH of the extraction fluid must be checked prior to use and must be within limits specified above

Hampton-Clarke
Analytical & Field Services

Last Page of Report

APPENDIX A
GEOLOGIC BORING LOGS

APPENDIX B
LABORATORY ANALYTICAL RESULTS

APPENDIX A
GEOLOGIC BORING LOGS

APPENDIX B
LABORATORY ANALYTICAL RESULTS