

Appendix I – Limited Environmental Site Characterization

28 September 2021

Mr. Jeremy Lui
Boca Lake Office, Inc.
433 California Street, 7th Floor
San Francisco, California 94104

Subject: Limited Environmental Site Characterization
620 Airport Boulevard
Burlingame, California
Project No. 731757301

Dear Mr. Lui:

Langan Engineering and Environmental Services, Inc. (Langan) has prepared this Limited Environmental Site Characterization (ESC) for the property located at 620 Airport Boulevard in Burlingame, California (site; Figure 1). Currently, the site is occupied by an asphalt paved surface parking lot (Figure 2). The site is bordered by a levee and lagoon to the north and west, a Hilton Hotel complex to the east, and Airport Boulevard to the south.

The objective of the Limited ESC was to: 1) characterize the soil material proposed for excavation from the project site for the potential presence of metals, and petroleum hydrocarbons, and 2) present the analytical results and disposal options for the soil at the site during any excavation activities.

SUBSURFACE INVESTIGATION

Permitting and Coordination

Prior to initiating the subsurface field activities, Langan marked the site with white paint and notified Underground Service Alert North 811 (USA North) of the proposed subsurface intrusive activities. Langan coordinated with USA North to confirm utility providers operating in the vicinity of the site responded and marked their utilities appropriately. In addition, Langan hired a private utility locator to confirm locations of underground utilities prior to intrusive activities. Langan also coordinated with the Stanislaus County Department of Environmental Resources to determine that no drilling permit was necessary to obtain prior to exploration.

Field Investigation

Langan advanced a total of eight soil borings (MW-1, MW-1A, MW-2, MW-2A, ES-1, ES-2, ES-3 and ES-4) and converted four of the borings into piezometers (MW-1, MW-1A, MW-2, and MW-2A). Soil samples were collected from six of the eight borings at depths ranging from approximately 1.25 to 6.5 feet below ground surface (bgs) as shown on Figure 2. The soil samples were delivered to the State of California certified analytical laboratory Torrent Laboratory, Inc. (Torrent) of Milpitas, California under chain of custody procedures.

LABORATORY ANALYTICAL TESTING

The soil samples were analyzed for the following:

- Total petroleum hydrocarbons as diesel (TPHd), TPH as gasoline (TPHg), and TPHmo by United States Environmental Protection Agency (EPA) Method 8015M;
- Volatile organic compounds (VOCs) by EPA Method 8260;
- Semi-volatile organic compounds (SVOCs) by EPA Method 8270;
- Polychlorinated biphenyls (PCBs) by EPA Method 8082;
- Organochlorine pesticides (OCPs) by EPA Method 8081;
- California Assessment Manual (CAM) 17 metals by EPA Method 6010/7000; and
- Asbestos by EPA Method 600/R-93/116.

Analytical Results

The soil analytical results from our January 2020 subsurface investigation are presented in Tables 1 and 2. The certified laboratory reports and chain-of-custody record are presented in Appendix A. The analytical results are discussed in the following sections.

Non-Metal Compounds

Soil analytical results for parameters other than metals are summarized in Table 1 and were compared to the San Francisco Bay Area Regional Water Quality Control Board (RWQCB) environmental screening levels (ESLs) Direct Exposure Human Health Risk Screening Levels for Commercial/Industrial shallow soil exposure risk (RWQCB, January 2019 [Rev. 1]).

TPHg was detected above laboratory reporting limits in four of 12 samples analyzed, at concentrations ranging from 0.319 milligrams per kilogram (mg/kg) (ES-2-2.0) to 1.00 mg/kg (ES-3-1.5), none of which exceeded the commercial ESLs. TPH as diesel (TPHd) was detected above laboratory reporting limits in five of 12 samples analyzed, at concentrations ranging from 8.15 mg/kg (ES-4-1.5) to 642 mg/kg (ES-2-2.0). The concentration detected in the sample collected from ES-2-2.0 exceeded the residential ESL of 260 mg/kg. TPHmo was detected above laboratory reporting limits in all 12 samples analyzed, at concentrations ranging between 44.3 mg/kg and 8,800 mg/kg, none of which exceeded the commercial ESLs. One VOC, 2-butanone, was detected above the laboratory reporting limit in four of 12 samples analyzed, at concentrations ranging from 0.0113 mg/kg (ES-3-3.0) to 0.0147 mg/kg (ES-4-1.5). One SVOC, phenanthrene, was detected above the laboratory reporting limits in two of the 12 samples analyzed, at concentrations of 0.169 (ES-4-1.5) and 0.160 mg/kg (ES-4-3.0). Neither VOC nor SVOC compounds were detected above commercial ESLs in any soil samples. Four OCPs were detected above the laboratory reporting limits in three of the 12 samples analyzed, none of which exceeded the commercial ESLs. No asbestos or PCBs were detected above laboratory reporting limits in the samples analyzed.

Metals

The metal analytical results are summarized in Table 2. Total lead was detected above laboratory reporting limits in all 12 samples analyzed, at concentrations ranging between 4.79 mg/kg and 137 mg/kg. One of the samples had detected concentrations of total lead above 50 mg/kg (10 times the STLC) and was subsequently analyzed for STLC and TCLP lead to determinate soluble lead levels. STLC lead was detected above the laboratory reporting limit in the one sample analyzed at a concentration of 2.34 mg/L. STLC lead was not detected at a concentration exceeding the STLC State of California hazardous waste criteria. TCLP lead was not detected above the laboratory reporting limit; and therefore, the TCLP lead results do not exceed the Federal hazardous waste criteria of 5 mg/L.

Total chromium was detected above the laboratory reporting limit in each of the 12 samples analyzed at concentrations ranging from 8.75 mg/kg to 71.5 mg/kg. None of the total chromium concentrations detected exceed the TTLC State of California hazardous waste criteria of 2,500 mg/kg. Total chromium in five soil samples was detected at concentrations above 50 mg/kg (10 times the STLC) and were subsequently analyzed for STLC chromium to determine soluble chromium levels. STLC chromium was detected above the laboratory reporting limit in all five of the samples analyzed at concentrations ranging from 0.222 mg/L to 1.27 mg/L, none of which exceed the STLC State of California hazardous waste criterion of 5 mg/L.

The remaining metal concentrations were within normal background ranges found in the San Francisco Bay Area with the exception of zinc (detected at a concentration of 392 mg/kg in sample ES-4-3.0) and lead (detected at a concentration of 137 mg/kg in sample ES-4-3.0). Arsenic was detected above the commercial ESLs in all 12 samples analyzed, at concentrations ranging from 1.59 mg/kg (ES-1-2.5) to 7.05 mg/kg (ES-2-4.5) but within background levels. None of the other metal concentrations exceeded their commercial ESLs.

DISCUSSION

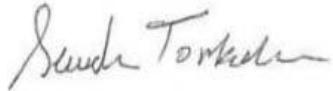
The site is currently an asphalt paved parking lot located at 620 Airport Boulevard in Burlingame, California. The site is bordered by a levee and lagoon to the north and west, a Hilton Hotel complex to the east, and Airport Boulevard to the south. The analytical results from this Limited ESC were compared to the RWQCB ESLs for commercial land use and State of California and Federal hazardous waste criteria for landfill disposal considerations. No hazardous soil exceeding the State of California Class I non-RCRA hazardous waste criteria is present at the site. Disposal of the excavated material could be disposed of at a receiving facility that can accept commercial material, based on the receiving facilities acceptance criteria.

LIMITATIONS

Descriptions of specific field activities and historical events are based on our observations and on information provided by others. The opinions and information presented in this report apply to Site conditions and the information that was available at the time the work was performed and do not apply to changes of which we are not aware or have not had the opportunity to evaluate. Langan makes no guarantees or warranties with respect to the accuracy or completeness of this information.

We appreciate the opportunity to assist you with this project. If you have any questions or need any information clarified, please call.

Sincerely yours,
Langan Engineering and Environmental Services, Inc.



Sarah Torkelson
Staff Geologist



Peter J. Cusack
Senior Associate/VP

Attachments: Tables
Figures
Appendix A

731757301.02_Limited Env Site Charact-620 Airport Blvd. Burlingame CA

TABLES

Table 1
Soil Analytical Results for Non-Metals
620 Airport Boulevard
Burlingame, California

Sample ID	Depth (feet)	Date Sample	TPHg	TPHd	TPHmo	2-Butanone	All Other VOCs	Phenanthrene	All Other SVOCs	OCPs				All Other OCPs	PCBs	Asbestos
			(mg/kg)	a-Chlordane	Dieldrin	4,4-DDD	4,4-DDE									
MW-1-1.25	1.25	07/14/21	0.745	< 400	6,040	< 0.010	ND	< 100	ND	< 0.040	< 0.040	< 0.040	< 0.040	ND	ND	ND
MW-1-6.5	6.5	07/14/21	< 0.10	70.3	508	0.0145	ND	< 2.88	ND	0.00969 J	< 0.020	0.0194 J	0.0146 J	ND	ND	ND
MW-2-2.5	2.5	07/14/21	< 0.10	< 100	1,310	< 0.010	ND	< 20	ND	< 0.040	< 0.040	< 0.040	< 0.040	ND	ND	ND
MW-2-4.5	4.5	07/14/21	< 0.10	< 200	4,040	< 0.010	ND	< 80	ND	< 0.040	< 0.040	< 0.040	< 0.040	ND	ND	ND
ES-1-1.5	1.5	07/14/21	< 0.10	< 400	4,410	< 0.010	ND	< 80	ND	< 0.040	< 0.040	< 0.040	< 0.040	ND	ND	ND
ES-1-2.5	2.5	07/14/21	< 0.10	< 100	1,610	< 0.010	ND	< 40	ND	< 0.040	< 0.040	< 0.040	< 0.040	ND	ND	ND
ES-2-2.0	2.0	07/14/21	0.319	642	8,800	< 0.010	ND	< 80	ND	< 0.040	< 0.040	< 0.040	< 0.040	ND	ND	ND
ES-2-4.5	4.5	07/14/21	< 0.10	21.9	684	< 0.010	ND	< 40	ND	< 0.040	< 0.040	< 0.040	< 0.040	ND	ND	ND
ES-3-1.5	1.5	07/14/21	1.00	< 16	138	0.0144	ND	< 1.44	ND	< 0.020	< 0.020	< 0.020	0.00207 J	ND	ND	< 0.25
ES-3-3.0	3.0	07/14/21	0.448	< 16	115	0.0113	ND	< 0.720	ND	< 0.020	0.00241 J	< 0.020	0.00239 J	ND	ND	< 0.25
ES-4-1.5	1.5	07/14/21	< 0.10	8.15	44.3	0.0147	ND	0.169 J	ND	< 0.020	< 0.020	< 0.020	< 0.020	ND	ND	ND
ES-4-3.0	3.0	07/14/21	< 0.10	16.1	96.2	< 0.010	ND	0.160 J	ND	< 0.020	< 0.020	< 0.020	< 0.020	ND	ND	ND
Hazardous Waste Criteria																
TTLC	--	--	--	--	--	Various	--	Various	2.5	8.0	1.0*	1.0*	Various	Various	--	
STLC (mg/L)	--	--	--	--	--	Various	--	Various	0.25	0.8	0.1	0.1	Various	Various	--	
TCLP (mg/L)	--	--	--	--	--	Various	--	Various	0.03	--	--	--	Various	Various	--	
Screening Criteria																
Residential ESLs - Cancer Risk ¹	--	--	--	--	--	Various	--	Various	0.48	0.037	2.7	1.8	Various	0.23	--	
Residential ESLs - Non-Cancer Hazard ²	430	260	12,000	--	--	Various	--	Various	36	3.5	--	--	Various	--	--	
Commercial / Industrial ESLs - Cancer Risk ³	--	--	--	--	--	Various	--	Various	2.2	0.16	12	8.3	Various	0.94	--	
Commercial / Industrial ESLs - Non-Cancer Hazard ⁴	2,000	1,200	180,000	--	--	Various	--	Various	500	48	--	--	Various	--	--	

Abbreviations:

mg/kg = milligrams per kilogram

ND = Not detected at or above the laboratory reporting limit (RL)

-- = Not analyzed or screening criteria not established

< 0.25 = Analyte was not detected above the laboratory reporting limit

ESLs = Environmental Screening Levels

VOCs = Volatile organic compounds

SVOCs = Semi-volatile organic compounds

OCPs = Organochlorine Pesticides

PCBs = Polychlorinated biphenyls

TPHg = Total Petroleum Hydrocarbons as Gasoline

TPHd = Total Petroleum Hydrocarbons as Diesel

TPHmo = Total Petroleum Hydrocarbons as Motor Oil

1.0* - TTLC refers to sum of concentration of DDT, DDE, and DDD

J = Indicates a value between the method detection limit and the RL and that the reported concentration should be considered as estimated rather than quantitative

Notes:

Bold indicates concentration is above Residential ESL

Grey Highlight indicates concentration is above Commercial ESLs

¹ - San Francisco Bay Regional Water Quality Control Board (RWQCB), Soil: Direct Exposure Human Health Shallow Soil Residential Cancer Risk Environmental Screening Levels, dated January 2019

² - San Francisco Bay Regional Water Quality Control Board (RWQCB), Soil: Direct Exposure Human Health Shallow Soil Residential Non-Cancer Risk Environmental Screening Levels, dated January 2019

³ - San Francisco Bay Regional Water Quality Control Board (RWQCB), Soil: Direct Exposure Human Health Shallow Soil Commercial / Industrial, Cancer Risk Environmental Screening Levels, dated January 2019

⁴ - San Francisco Bay Regional Water Quality Control Board (RWQCB), Soil: Direct Exposure Human Health Shallow Soil Commercial / Industrial, Non-Cancer Risk Environmental Screening Levels, dated January 2019

Chlordane ESLs were used for a-chlordane and g-chlordane ESLs

Table 2
Soil Analytical Results for Metals
620 Airport Boulevard
Burlingame, California

Sample ID	Depth (Feet)	Date Sampled	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Chromium STLC	Cobalt	Copper	Lead	Lead STLC	Lead TCLP	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			mg/kg						mg/L	mg/kg			mg/L	mg/kg						mg/kg		
MW-1-1.25	1.25	07/14/21	< 5.00	2.77	64.5	< 5.00	< 5.00	17.6	--	7.90	32.6	13.0	--	--	< 0.50	< 5.00	19.3	< 5.00	< 5.00	< 5.00	43.3	41.4
MW-1-6.5	6.5	07/14/21	< 5.00	4.76	64.0	< 5.00	< 5.00	47.2	--	6.95	23.3	16.5	--	--	< 0.50	< 5.00	40.0	< 5.00	< 5.00	< 5.00	37.1	48.7
MW-2-2.5	2.5	07/14/21	< 5.00	4.41	64.0	< 5.00	< 5.00	48.3	--	9.20	28.1	22.8	--	--	< 0.50	< 5.00	44.1	< 5.00	< 5.00	< 5.00	43.1	42.3
MW-2-4.5	4.5	07/14/21	< 5.00	1.83	67.0	< 5.00	< 5.00	21.8	--	8.25	50.5	47.1	--	--	< 0.50	< 5.00	26.1	< 5.00	< 5.00	< 5.00	42.6	39.1
ES-1-1.5	1.5	07/14/21	< 5.00	3.02	59.0	< 5.00	< 5.00	8.75	--	7.85	39.8	5.95	--	--	< 0.50	< 5.00	8.35	< 5.00	< 5.00	< 5.00	48.1	27.8
ES-1-2.5	2.5	07/14/21	< 5.00	1.59	81.0	< 5.00	< 5.00	23.8	--	5.95	17.0	4.79	--	--	< 0.50	< 5.00	23.2	< 5.00	< 5.00	< 5.00	31.2	21.6
ES-2-2.0	2.0	07/14/21	< 5.00	2.04	43.4	< 5.00	< 5.00	16.6	--	5.10	33.6	26.7	--	--	< 0.50	< 5.00	25.8	< 5.00	< 5.00	< 5.00	32.2	43.3
ES-2-4.5	4.5	07/14/21	< 5.00	7.05	57.5	< 5.00	< 5.00	57.5	1.27	10.7	27.3	10.8	--	--	< 0.50	< 5.00	56.0	< 5.00	< 5.00	< 5.00	45.6	48.8
ES-3-1.5	1.5	07/14/21	< 5.00	4.74	97.0	< 5.00	< 5.00	58.5	0.735	11.1	25.0	20.8	--	--	< 0.50	< 5.00	69.5	< 5.00	< 5.00	< 5.00	42.9	45.2
ES-3-3.0	3.0	07/14/21	< 5.00	4.53	108	< 5.00	< 5.00	71.5	0.766	12.1	23.8	15.8	--	--	< 0.50	< 5.00	83.5	< 5.00	< 5.00	< 5.00	44.9	40.8
ES-4-1.5	1.5	07/14/21	< 5.00	5.20	81.5	< 5.00	< 5.00	55.5	0.471	10.6	26.1	14.4	--	--	< 0.50	< 5.00	53.5	< 5.00	< 5.00	< 5.00	45.3	54.0
ES-4-3.0	3.0	07/14/21	< 5.00	3.33	50.5	< 5.00	< 5.00	66.0	0.222	7.40	16.0	137	2.34	< 0.20	< 0.50	< 5.00	54.5	< 5.00	< 5.00	< 5.00	26.1	392
Screening Criteria																						
Residential ESLs - Cancer Risk ¹			11	0.067	15,000	1,600	91	--	--	420	--	82	--	--	--	--	15,000	--	--	--	--	--
Residential ESLs - Non-Cancer Hazard ²			--	0.26	--	16	78	--	--	23	3,100	80	--	--	13	390	820	390	390	1	390	23,000
Commercial / Industrial ESLs - Cancer Risk ³			160	0.31	220,000	6,900	4,000	--	--	1,900	--	380	--	--	--	--	64,000	--	--	--	--	--
Commercial / Industrial ESLs - Non-Cancer Hazard ⁴			--	3.6	--	230	1100	--	--	350	47,000	320	--	--	190	5800	11,000	5,800	5,800	12	5,800	350,000
Background Metal Concentrations*			1.5-7.1	1.2-31	41-411	0.29-1.1	0.27-3.3	10-142	--	6.5-25.5	5.4-100	4.8-65	--	--	0.07-0.6	0.33-11.4	16-144	< 0.25-7	0.2-2.2	< 0.25-42.5	22-90	33-282
Hazardous Waste Criteria																						
TTLC	mg/kg	500	500	10,000	75	100	2,500	--	8,000	2,500	1,000	--	--	20	3,500	2,000	100	500	700	2,400	5,000	
STLC	mg/L	15	5	100	0.75	1	--	5	80	25	--	5	--	0.2	350	20	1	5	7	24	250	
TCLP	mg/L	--	5	100	--	1	--	--	--	--	--	--	--	5	0.2	--	--	1	5	--	--	

Abbreviations:

mg/kg = milligrams per kilogram

mg/L = milligrams per liter

-- = Not analyzed or screening criteria not established

TTLC = Total Threshold Limit Concentration

STLC = Soluble Threshold Limit Concentration

TCLP = Federal Toxicity Characteristic Leaching Procedure for Class I RCRA Hazardous Waste

ESLs = Environmental Screening Levels

< 0.25 = Analyte was not detected above the laboratory reporting limit

Notes:

Italics indicates concentration is above Residential ESLs

Bold indicates concentration is above Commercial ESLs

Value exceeds background concentration range

¹ - San Francisco Bay Regional Water Quality Control Board (RWQCB), Soil: Direct Exposure Human Health Risk Levels (Table S-1) Shallow Soil Residential Cancer Risk Environmental Screening Levels, dated January 2019

² - San Francisco Bay Regional Water Quality Control Board (RWQCB), Soil: Direct Exposure Human Health Risk Levels (Table S-1) Shallow Soil Residential Non-Cancer Risk Environmental Screening Levels, dated January 2019

³ - San Francisco Bay Regional Water Quality Control Board (RWQCB), Soil: Direct Exposure Human Health Risk Levels (Table S-1) Shallow Soil Commercial / Industrial, Cancer Risk Environmental Screening Levels, dated January 2019

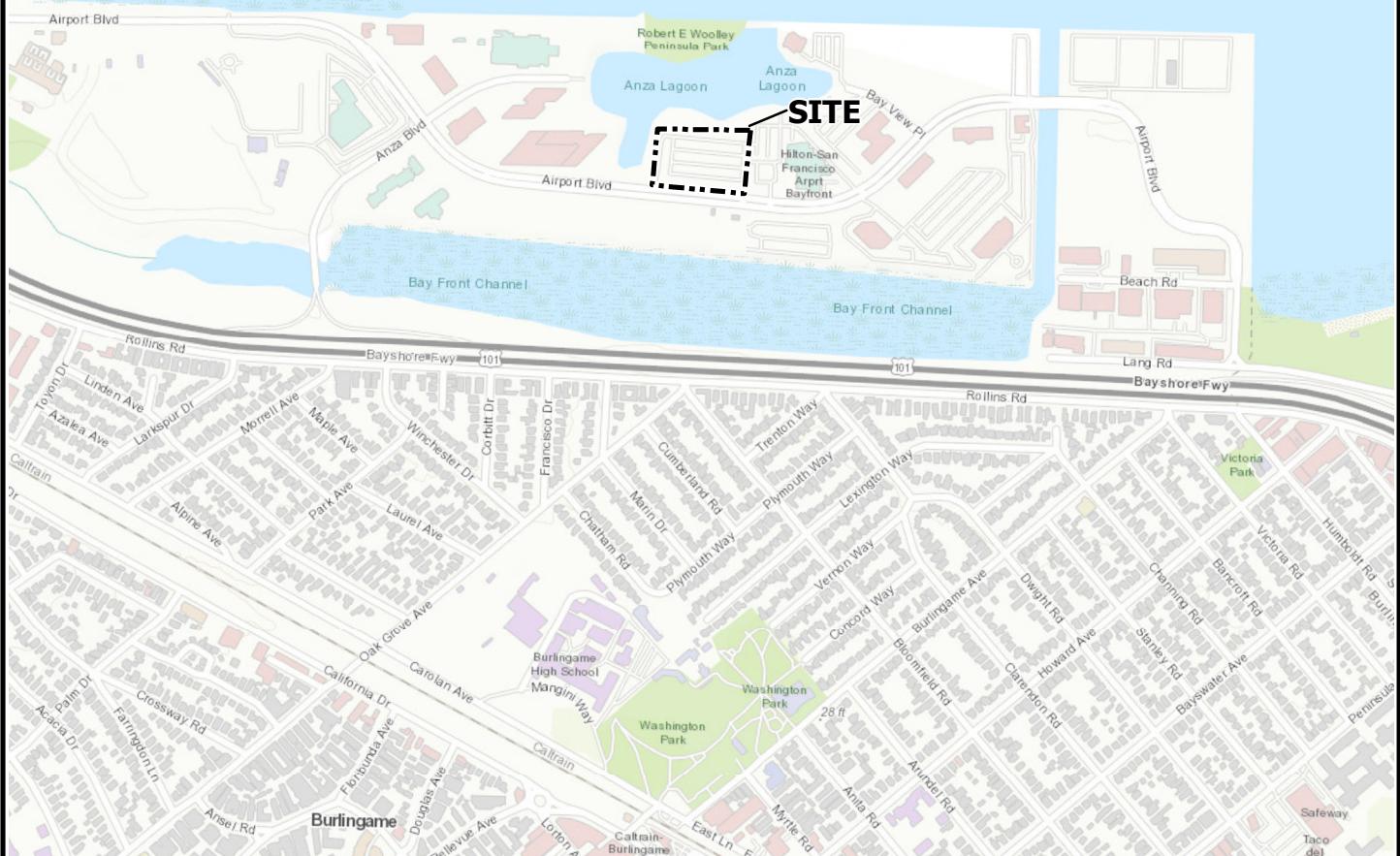
⁴ - San Francisco Bay Regional Water Quality Control Board (RWQCB), Soil: Direct Exposure Human Health Risk Levels (Table S-1) Shallow Soil Commercial / Industrial, Non-Cancer Risk Environmental Screening Levels, dated January 2019

*Background concentration ranges of metals in Bay Area soils, Appendix A, Table A-2 from Environmental Resources Management. *Feasibility Study, Hookston Station, Pleasant Hill, California.* July 2006

FIGURES



San
Francisco
Bay



Legend

Approximate Site Boundary

Notes:

1. Topographic basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online
Copyright: © 2011 National Geographic Society, i-cubed.

1,000 0 1,000
SCALE IN FEET

LANGAN Langan Engineering and Environmental Services, Inc. 135 Main Street, Suite 1500 San Francisco, CA 94105 T: 415.955.5200 F: 415.955.5201 www.langan.com	<p>Project No. 731757301</p> <p>Date 8/12/2021</p> <p>Scale 1" = 1,000'</p> <p>Drawn By JNE</p> <p>Figure 1</p>
<p>620 AIRPORT BOULEVARD BURLINGAME SAN MATEO COUNTY CALIFORNIA</p> <p>SITE LOCATION MAP</p>	

**Legend**

● Approximate Location of Environmental Boring, Langan July 2021

● Approximate Location of Piezometer, Langan July 2021

Dashed Line Site Boundary

Notes:
1. Aerial imagery provided by Nearmap, 05/24/2021.
2. All features shown are approximate.

50 0 50
SCALE IN FEET

LANGAN

Langan Engineering and
Environmental Services, Inc.

135 Main Street, Suite 1500
San Francisco, CA 94105

T: 415.955.5200 F: 415.955.5201 www.langan.com

Project

620
AIRPORT BOULEVARD

BURLINGAME

SAN MATEO COUNTY CALIFORNIA

Figure Title**SITE PLAN**

Project No.
731757301

Date
9/28/2021

Scale
1 " = 50'

Drawn By
JNE

2

**APPENDIX A
CERTIFIED LABORATORY REPORT AND
CHAIN OF CUSTODY RECORD**

LANGAN



Langan
555 Montgomery Street, Suite 1300
San Francisco, California 94111
Tel: 415-955-9040
RE: 620 Burlingame Boulevard

Work Order No.: 2107137 Rev: 2

Dear Peter Cusack:

Torrent Laboratory, Inc. received 12 sample(s) on July 16, 2021 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

A handwritten signature in blue ink that reads "Kathie Evans". The signature is fluid and cursive, with "Kathie" on the left and "Evans" on the right, separated by a small gap.

Kathie Evans
Project Manager

July 21, 2021

Date



Date: 7/21/2021

Client: Langan

Project: 620 Burlingame Boulevard

Work Order: 2107137

CASE NARRATIVE

Unless otherwise indicated in the following narrative, no issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.

This report shall not be reproduced, except in full, without the written approval of Torrent Laboratory, Inc.

Asbestos analysis was sub-contracted to ELAP certified laboratory EMSL. Sub-contract data will follow under a separate cover.

Analytical Comments for method 6010B, 2107137-005A MS/MSD, QC Preparation Batch ID 1133404, Note: The % recoveries for Barium are outside of laboratory control limits but RPD is within limits. The associated LCS/LCSD is within both % Recovery and RPD limits. No corrective action required.

Analytical Comments for method 7471B, 2107137-005A MS/MSD, QC Preparation Batch ID 1133408, Note: The % recoveries for Mercury are outside of laboratory control limits but RPD is within limits. The associated LCS/LCSD is within both % Recovery and RPD limits. No corrective action required.

REVISIONS

Report revised to include sub-contracted Asbestos data. Sub-contract data follows as an attachment to the Torrent generated report.

Rev. 1 (7/27/21)

Report revised to include STLC and TCLP data

STLC

Note: Extraction of 50 g sample / 500g 0.2M Sodium Citrate Solution was performed according to wet extraction procedure (WET) which was rotated in a rotary shaker for 48 hours (+/- 4 hours).

Date Prepared: 8/7/21 at 14:45 to 8/9/21 at 11:25

TCLP

Note: Extraction of 20 g sample/200 g TCLP Fluid #1 was performed according to Toxicity Characteristic Leaching Procedure (SW-846 1311TCLP) which was rotated in a rotary shaker@ 32 RPM for 18 hours (+/- 2 hours). Due to limited sample mass, client approval was obtained to perform the extraction with less than the method specified 100 grams.



Date Prepared: 8/10/21 at 17:50 to 8/11/21 at 11:00

Rev. 2 (8/11/21)



Sample Result Summary

Report prepared for: Peter Cusack
Langan

Date Received: 07/16/21

Date Reported: 07/21/21

2107137-001

MW-1-1.25

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Gasoline	8260TPH	1	43	100	745	ug/Kg
Arsenic	SW6010B	1	0.15	1.30	2.77	mg/Kg
Barium	SW6010B	1	0.055	5.00	64.5	mg/Kg
Chromium	SW6010B	1	0.075	5.00	17.6	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	7.90	mg/Kg
Copper	SW6010B	1	0.20	5.00	32.6	mg/Kg
Lead	SW6010B	1	0.10	3.00	13.0	mg/Kg
Nickel	SW6010B	1	0.50	5.00	19.3	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	43.3	mg/Kg
Zinc	SW6010B	1	0.30	5.00	41.4	mg/Kg
TPH as Motor Oil	SW8015B	4	640	2000	6040	mg/Kg

MW-1-6.5

2107137-002

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	4.76	mg/Kg
Barium	SW6010B	1	0.055	5.00	64.0	mg/Kg
Chromium	SW6010B	1	0.075	5.00	47.2	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	6.95	mg/Kg
Copper	SW6010B	1	0.20	5.00	23.3	mg/Kg
Lead	SW6010B	1	0.10	3.00	16.5	mg/Kg
Nickel	SW6010B	1	0.50	5.00	40.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	37.1	mg/Kg
Zinc	SW6010B	1	0.30	5.00	48.7	mg/Kg
TPH as Diesel	SW8015B	2	6.8	16	70.3	mg/Kg
TPH as Motor Oil	SW8015B	2	25	80	508	mg/Kg
alpha-Chlordane	SW8081B	10	1.7	20	9.69	ug/Kg
4,4'-DDE	SW8081B	10	1.9	20	14.6	ug/Kg
4,4'-DDD	SW8081B	10	5.7	20	19.4	ug/Kg
2-Butanone	SW8260B	1	2.3	10.0	14.5	ug/Kg

MW-2-2.5

2107137-003

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	4.41	mg/Kg
Barium	SW6010B	1	0.055	5.00	64.0	mg/Kg
Chromium	SW6010B	1	0.075	5.00	48.3	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	9.20	mg/Kg
Copper	SW6010B	1	0.20	5.00	28.1	mg/Kg
Lead	SW6010B	1	0.10	3.00	22.8	mg/Kg
Nickel	SW6010B	1	0.50	5.00	44.1	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	43.1	mg/Kg
Zinc	SW6010B	1	0.30	5.00	42.3	mg/Kg
TPH as Motor Oil	SW8015B	1	160	500	1310	mg/Kg



Sample Result Summary

Report prepared for: Peter Cusack
Langan

Date Received: 07/16/21

Date Reported: 07/21/21

MW-2-4.25

2107137-004

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	1.83	mg/Kg
Barium	SW6010B	1	0.055	5.00	67.0	mg/Kg
Chromium	SW6010B	1	0.075	5.00	21.8	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	8.25	mg/Kg
Copper	SW6010B	1	0.20	5.00	50.5	mg/Kg
Lead	SW6010B	1	0.10	3.00	47.1	mg/Kg
Nickel	SW6010B	1	0.50	5.00	26.1	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	42.6	mg/Kg
Zinc	SW6010B	1	0.30	5.00	39.1	mg/Kg
TPH as Motor Oil	SW8015B	2	320	1000	4040	mg/Kg

ES-1-1.5

2107137-005

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	3.02	mg/Kg
Barium	SW6010B	1	0.055	5.00	59.0	mg/Kg
Chromium	SW6010B	1	0.075	5.00	8.75	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	7.85	mg/Kg
Copper	SW6010B	1	0.20	5.00	39.8	mg/Kg
Lead	SW6010B	1	0.10	3.00	5.95	mg/Kg
Nickel	SW6010B	1	0.50	5.00	8.35	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	48.1	mg/Kg
Zinc	SW6010B	1	0.30	5.00	27.8	mg/Kg
TPH as Motor Oil	SW8015B	4	640	2000	4410	mg/Kg

ES-1-2.5

2107137-006

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Arsenic	SW6010B	1	0.15	1.30	1.59	mg/Kg
Barium	SW6010B	1	0.055	5.00	81.0	mg/Kg
Chromium	SW6010B	1	0.075	5.00	23.8	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	5.95	mg/Kg
Copper	SW6010B	1	0.20	5.00	17.0	mg/Kg
Lead	SW6010B	1	0.10	3.00	4.79	mg/Kg
Nickel	SW6010B	1	0.50	5.00	23.2	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	31.2	mg/Kg
Zinc	SW6010B	1	0.30	5.00	21.6	mg/Kg
TPH as Motor Oil	SW8015B	1	160	500	1610	mg/Kg



Sample Result Summary

Report prepared for: Peter Cusack
Langan

Date Received: 07/16/21

Date Reported: 07/21/21

2107137-007

ES-2-2.0

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Gasoline	8260TPH	1	43	100	319	ug/Kg
Arsenic	SW6010B	1	0.15	1.30	2.04	mg/Kg
Barium	SW6010B	1	0.055	5.00	43.4	mg/Kg
Chromium	SW6010B	1	0.075	5.00	16.6	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	5.10	mg/Kg
Copper	SW6010B	1	0.20	5.00	33.6	mg/Kg
Lead	SW6010B	1	0.10	3.00	26.7	mg/Kg
Nickel	SW6010B	1	0.50	5.00	25.8	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	32.2	mg/Kg
Zinc	SW6010B	1	0.30	5.00	43.3	mg/Kg
TPH as Diesel	SW8015B	4	170	400	642	mg/Kg
TPH as Motor Oil	SW8015B	4	640	2000	8800	mg/Kg

ES-2-4.5

2107137-008

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Chromium (STLC)	SW6010B	1	0.010	0.20	1.27	mg/L
Arsenic	SW6010B	1	0.15	1.30	7.05	mg/Kg
Barium	SW6010B	1	0.055	5.00	57.5	mg/Kg
Chromium	SW6010B	1	0.075	5.00	57.5	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.7	mg/Kg
Copper	SW6010B	1	0.20	5.00	27.3	mg/Kg
Lead	SW6010B	1	0.10	3.00	10.8	mg/Kg
Nickel	SW6010B	1	0.50	5.00	56.0	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	45.6	mg/Kg
Zinc	SW6010B	1	0.30	5.00	48.8	mg/Kg
TPH as Diesel	SW8015B	2	6.8	16	21.9	mg/Kg
TPH as Motor Oil	SW8015B	2	25	80	684	mg/Kg

ES-3-1.5

2107137-009

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Gasoline	8260TPH	1	43	100	1000	ug/Kg
Chromium (STLC)	SW6010B	1	0.010	0.20	0.735	mg/L
Arsenic	SW6010B	1	0.15	1.30	4.74	mg/Kg
Barium	SW6010B	1	0.055	5.00	97.0	mg/Kg
Chromium	SW6010B	1	0.075	5.00	58.5	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	11.1	mg/Kg
Copper	SW6010B	1	0.20	5.00	25.0	mg/Kg
Lead	SW6010B	1	0.10	3.00	20.8	mg/Kg
Nickel	SW6010B	1	0.50	5.00	69.5	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	42.9	mg/Kg
Zinc	SW6010B	1	0.30	5.00	45.2	mg/Kg
TPH as Motor Oil	SW8015B	2	25	80	138	mg/Kg
4,4'-DDE	SW8081B	10	1.9	20	2.07	ug/Kg
2-Butanone	SW8260B	1	2.3	10.0	14.4	ug/Kg



Sample Result Summary

Report prepared for: Peter Cusack
Langan

Date Received: 07/16/21

Date Reported: 07/21/21

2107137-010

ES-3-3.0

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
TPH as Gasoline	8260TPH	1	43	100	448	ug/Kg
Chromium (STLC)	SW6010B	1	0.010	0.20	0.766	mg/L
Arsenic	SW6010B	1	0.15	1.30	4.53	mg/Kg
Barium	SW6010B	1	0.055	5.00	108	mg/Kg
Chromium	SW6010B	1	0.075	5.00	71.5	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	12.1	mg/Kg
Copper	SW6010B	1	0.20	5.00	23.8	mg/Kg
Lead	SW6010B	1	0.10	3.00	15.8	mg/Kg
Nickel	SW6010B	1	0.50	5.00	83.5	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	44.9	mg/Kg
Zinc	SW6010B	1	0.30	5.00	40.8	mg/Kg
TPH as Motor Oil	SW8015B	2	25	80	115	mg/Kg
4,4'-DDE	SW8081B	10	1.9	20	2.39	ug/Kg
Dieldrin	SW8081B	10	1.5	20	2.41	ug/Kg
2-Butanone	SW8260B	1	2.3	10.0	11.3	ug/Kg

ES-4-1.5

2107137-011

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Chromium (STLC)	SW6010B	1	0.010	0.20	0.471	mg/L
Arsenic	SW6010B	1	0.15	1.30	5.20	mg/Kg
Barium	SW6010B	1	0.055	5.00	81.5	mg/Kg
Chromium	SW6010B	1	0.075	5.00	55.5	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	10.6	mg/Kg
Copper	SW6010B	1	0.20	5.00	26.1	mg/Kg
Lead	SW6010B	1	0.10	3.00	14.4	mg/Kg
Nickel	SW6010B	1	0.50	5.00	53.5	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	45.3	mg/Kg
Zinc	SW6010B	1	0.30	5.00	54.0	mg/Kg
TPH as Diesel	SW8015B	1	3.4	8.0	8.15	mg/Kg
TPH as Motor Oil	SW8015B	1	13	40	44.3	mg/Kg
2-Butanone	SW8260B	1	2.3	10.0	14.7	ug/Kg
Phenanthrene	SW8270C	10	93.2	1440	169	ug/Kg



Sample Result Summary

Report prepared for: Peter Cusack
Langan

Date Received: 07/16/21

Date Reported: 07/21/21

2107137-012

ES-4-3.0

Parameters:	Analysis Method	DF	MDL	PQL	Results	Unit
Chromium (STLC)	SW6010B	1	0.010	0.20	0.222	mg/L
Lead (STLC)	SW6010B	1	0.050	0.20	2.34	mg/L
Arsenic	SW6010B	1	0.15	1.30	3.33	mg/Kg
Barium	SW6010B	1	0.055	5.00	50.5	mg/Kg
Chromium	SW6010B	1	0.075	5.00	66.0	mg/Kg
Cobalt	SW6010B	1	0.070	5.00	7.40	mg/Kg
Copper	SW6010B	1	0.20	5.00	16.0	mg/Kg
Lead	SW6010B	1	0.10	3.00	137	mg/Kg
Nickel	SW6010B	1	0.50	5.00	54.5	mg/Kg
Vanadium	SW6010B	1	0.10	5.00	26.1	mg/Kg
Zinc	SW6010B	1	0.30	5.00	392	mg/Kg
TPH as Diesel	SW8015B	1	3.4	8.0	16.1	mg/Kg
TPH as Motor Oil	SW8015B	1	13	40	96.2	mg/Kg
Phenanthrene	SW8270C	10	93.2	1440	160	ug/Kg



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	MW-1-1.25	Lab Sample ID:	2107137-001A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 7/19/21 1:45:00PM
Prep Batch ID: 1133407	Prep Analyst: ERVS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/20/21	12:07	BJAY	458183



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-1.25	Lab Sample ID:	2107137-001A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	7/19/21	3:46:00PM
Prep Batch ID:	1133406	Prep Analyst:	ERVS	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:08	TMN	458190
Arsenic	SW6010B	1	0.15	1.30	2.77		mg/Kg	07/20/21	13:08	TMN	458190
Barium	SW6010B	1	0.055	5.00	64.5		mg/Kg	07/20/21	13:08	TMN	458190
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/20/21	13:08	TMN	458190
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/20/21	13:08	TMN	458190
Chromium	SW6010B	1	0.075	5.00	17.6		mg/Kg	07/20/21	13:08	TMN	458190
Cobalt	SW6010B	1	0.070	5.00	7.90		mg/Kg	07/20/21	13:08	TMN	458190
Copper	SW6010B	1	0.20	5.00	32.6		mg/Kg	07/20/21	13:08	TMN	458190
Lead	SW6010B	1	0.10	3.00	13.0		mg/Kg	07/20/21	13:08	TMN	458190
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:08	TMN	458190
Nickel	SW6010B	1	0.50	5.00	19.3		mg/Kg	07/20/21	13:08	TMN	458190
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/20/21	13:08	TMN	458190
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/20/21	13:08	TMN	458190
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/20/21	13:08	TMN	458190
Vanadium	SW6010B	1	0.10	5.00	43.3		mg/Kg	07/20/21	13:08	TMN	458190
Zinc	SW6010B	1	0.30	5.00	41.4		mg/Kg	07/20/21	13:08	TMN	458190



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-1.25	Lab Sample ID:	2107137-001A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_PCB	Prep Batch Date/Time:	7/19/21	3:22:00PM
Prep Batch ID:	1133419	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Aroclor1016	SW8082A	3	105	300	ND		ug/Kg	07/20/21	19:31	MK	458204
Aroclor1221	SW8082A	3	15.0	300	ND		ug/Kg	07/20/21	19:31	MK	458204
Aroclor1232	SW8082A	3	51.0	300	ND		ug/Kg	07/20/21	19:31	MK	458204
Aroclor1242	SW8082A	3	9.00	300	ND		ug/Kg	07/20/21	19:31	MK	458204
Aroclor1248	SW8082A	3	6.00	300	ND		ug/Kg	07/20/21	19:31	MK	458204
Aroclor1254	SW8082A	3	42.0	300	ND		ug/Kg	07/20/21	19:31	MK	458204
Aroclor1260	SW8082A	3	72.0	300	ND		ug/Kg	07/20/21	19:31	MK	458204
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		105		%	07/20/21	19:31	MK	458204
DCBP (S)	SW8082A		48 - 135		90.0		%	07/20/21	19:31	MK	458204

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-1.25	Lab Sample ID:	2107137-001A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_OCP	Prep Batch Date/Time:	7/19/21	10:06:00AM
Prep Batch ID:	1133411	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

alpha-BHC	SW8081B	20	2.5	40	ND		ug/Kg	07/20/21	4:19	LA	458158
gamma-BHC (Lindane)	SW8081B	20	3.2	40	ND		ug/Kg	07/20/21	4:19	LA	458158
beta-BHC	SW8081B	20	6.3	40	ND		ug/Kg	07/20/21	4:19	LA	458158
delta-BHC	SW8081B	20	3.1	40	ND		ug/Kg	07/20/21	4:19	LA	458158
Heptachlor	SW8081B	20	2.1	40	ND		ug/Kg	07/20/21	4:19	LA	458158
Aldrin	SW8081B	20	3.9	40	ND		ug/Kg	07/20/21	4:19	LA	458158
Heptachlor Epoxide	SW8081B	20	1.6	40	ND		ug/Kg	07/20/21	4:19	LA	458158
gamma-Chlordane	SW8081B	20	3.3	40	ND		ug/Kg	07/20/21	4:19	LA	458158
alpha-Chlordane	SW8081B	20	3.5	40	ND		ug/Kg	07/20/21	4:19	LA	458158
4,4'-DDE	SW8081B	20	3.9	40	ND		ug/Kg	07/20/21	4:19	LA	458158
Endosulfan I	SW8081B	20	3.7	40	ND		ug/Kg	07/20/21	4:19	LA	458158
Dieldrin	SW8081B	20	3.0	40	ND		ug/Kg	07/20/21	4:19	LA	458158
Endrin	SW8081B	20	3.8	40	ND		ug/Kg	07/20/21	4:19	LA	458158
4,4'-DDD	SW8081B	20	11	40	ND		ug/Kg	07/20/21	4:19	LA	458158
Endosulfan II	SW8081B	20	12	40	ND		ug/Kg	07/20/21	4:19	LA	458158
4,4'-DDT	SW8081B	20	2.6	40	ND		ug/Kg	07/20/21	4:19	LA	458158
Endrin Aldehyde	SW8081B	20	3.0	40	ND		ug/Kg	07/20/21	4:19	LA	458158
Methoxychlor	SW8081B	20	4.0	40	ND		ug/Kg	07/20/21	4:19	LA	458158
Endosulfan Sulfate	SW8081B	20	2.3	40	ND		ug/Kg	07/20/21	4:19	LA	458158
Endrin Ketone	SW8081B	20	1.9	40	ND		ug/Kg	07/20/21	4:19	LA	458158
Chlordane	SW8081B	20	42	400	ND		ug/Kg	07/20/21	4:19	LA	458158
Toxaphene	SW8081B	20	170	1000	ND		ug/Kg	07/20/21	4:19	LA	458158

Acceptance Limits

Tetrachloro-M-Xylene (S)	SW8081B	48 - 125	0.000	D	%	07/20/21	4:19	LA	458158
Decachlorobiphenyl (S)	SW8081B	38 - 135	0.000	D	%	07/20/21	4:19	LA	458158

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-1.25	Lab Sample ID:	2107137-001A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

N-Nitrosodimethylamine	SW8270C	50	32600	500000	ND		ug/Kg	07/20/21	16:52	MT	458182
Phenol	SW8270C	50	30400	200000	ND		ug/Kg	07/20/21	16:52	MT	458182
Bis(2-chloroethyl)ether	SW8270C	50	9230	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
2-Chlorophenol	SW8270C	50	33100	200000	ND		ug/Kg	07/20/21	16:52	MT	458182
1,3-Dichlorobenzene	SW8270C	50	9120	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
1,4-Dichlorobenzene	SW8270C	50	10200	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Benzyl Alcohol	SW8270C	50	14200	200000	ND		ug/Kg	07/20/21	16:52	MT	458182
1,2-Dichlorobenzene	SW8270C	50	9380	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
2-Methylphenol (o-Cresol)	SW8270C	50	20400	200000	ND		ug/Kg	07/20/21	16:52	MT	458182
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	50	47300	500000	ND		ug/Kg	07/20/21	16:52	MT	458182
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	50	21800	200000	ND		ug/Kg	07/20/21	16:52	MT	458182
N-nitroso-di-n-propylamine	SW8270C	50	9130	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Hexachloroethane	SW8270C	50	11800	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Nitrobenzene	SW8270C	50	8920	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Isophorone	SW8270C	50	8450	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
2-Nitrophenol	SW8270C	50	17600	200000	ND		ug/Kg	07/20/21	16:52	MT	458182
2,4-Dimethylphenol	SW8270C	50	15800	200000	ND		ug/Kg	07/20/21	16:52	MT	458182
Benzoic Acid	SW8270C	50	29000	200000	ND		ug/Kg	07/20/21	16:52	MT	458182
Bis(2-Chloroethoxy)methane	SW8270C	50	6800	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Bis(2-chloroisopropyl)ether	SW8270C	50	8750	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
2,4-Dichlorophenol	SW8270C	50	27300	200000	ND		ug/Kg	07/20/21	16:52	MT	458182
1,2,4-Trichlorobenzene	SW8270C	50	8220	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Naphthalene	SW8270C	50	7350	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
2,6-Dichlorophenol	SW8270C	50	24900	200000	ND		ug/Kg	07/20/21	16:52	MT	458182
Hexachloro-1,3-butadiene	SW8270C	50	5790	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
4-Chloro-3-methylphenol	SW8270C	50	23500	200000	ND		ug/Kg	07/20/21	16:52	MT	458182
2-Methylnaphthalene	SW8270C	50	7250	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
1-Methylnaphthalene	SW8270C	50	8460	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Hexachlorocyclopentadiene	SW8270C	50	8990	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
2,4,6-Trichlorophenol	SW8270C	50	25000	200000	ND		ug/Kg	07/20/21	16:52	MT	458182
2,4,5-Trichlorophenol	SW8270C	50	23200	200000	ND		ug/Kg	07/20/21	16:52	MT	458182
2-Chloronaphthalene	SW8270C	50	7370	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
1,4-Dinitrobenzene	SW8270C	50	7170	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Dimethyl phthalate	SW8270C	50	9830	500000	ND		ug/Kg	07/20/21	16:52	MT	458182
1,3-Dinitrobenzene	SW8270C	50	7220	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Acenaphthylene	SW8270C	50	5750	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
2,6-Dinitrotoluene	SW8270C	50	7860	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
1,2-Dinitrobenzene	SW8270C	50	10900	100000	ND		ug/Kg	07/20/21	16:52	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Client Sample ID: MW-1-1.25
Project Name/Location: 620 Burlingame Boulevard
Project Number: 731757301
Date/Time Sampled: 07/14/21 /
SDG:

Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-1.25	Lab Sample ID:	2107137-001A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Acenaphthene	SW8270C	50	7410	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
2,4-Dinitrophenol	SW8270C	50	53900	500000	ND		ug/Kg	07/20/21	16:52	MT	458182
4-Nitrophenol	SW8270C	50	38000	500000	ND		ug/Kg	07/20/21	16:52	MT	458182
Dibenzofuran	SW8270C	50	7790	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
2,4-Dinitrotoluene	SW8270C	50	8390	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
2,3,5,6-Tetrachlorophenol	SW8270C	50	19200	200000	ND		ug/Kg	07/20/21	16:52	MT	458182
2,3,4,6-Tetrachlorophenol	SW8270C	50	21900	200000	ND		ug/Kg	07/20/21	16:52	MT	458182
Diethylphthalate	SW8270C	50	9460	500000	ND		ug/Kg	07/20/21	16:52	MT	458182
Fluorene	SW8270C	50	7160	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
4-Chlorophenyl-phenylether	SW8270C	50	6470	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
4,6-Dinitro-2-methylphenol	SW8270C	50	9290	200000	ND		ug/Kg	07/20/21	16:52	MT	458182
Diphenylamine	SW8270C	50	9060	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Azobenzene	SW8270C	50	79000	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
4-Bromophenyl-phenylether	SW8270C	50	5710	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Hexachlorobenzene	SW8270C	50	6010	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Pentachlorophenol	SW8270C	50	17400	200000	ND		ug/Kg	07/20/21	16:52	MT	458182
Phenanthrene	SW8270C	50	6470	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Anthracene	SW8270C	50	6190	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Carbazole	SW8270C	50	7460	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Di-n-butylphthalate	SW8270C	50	9380	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Fluoranthene	SW8270C	50	6940	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Benzidine	SW8270C	50	102000	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Pyrene	SW8270C	50	8300	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Butylbenzylphthalate	SW8270C	50	14600	500000	ND		ug/Kg	07/20/21	16:52	MT	458182
Benzo(a)anthracene	SW8270C	50	6810	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
3,3-Dichlorobenzidine	SW8270C	50	81700	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Chrysene	SW8270C	50	10500	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Bis(2-Ethylhexyl)phthalate	SW8270C	50	10600	500000	ND		ug/Kg	07/20/21	16:52	MT	458182
Di-n-Octylphthalate	SW8270C	50	8530	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Benzo(b)fluoranthene	SW8270C	50	8360	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
benzo(k)fluoranthene	SW8270C	50	5660	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Benzo(a)pyrene	SW8270C	50	6800	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Indeno(1,2,3-c,d)pyrene	SW8270C	50	9590	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Dibenzo(a,h)anthracene	SW8270C	50	8820	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Benzo(g,h,i)perylene	SW8270C	50	11600	100000	ND		ug/Kg	07/20/21	16:52	MT	458182
Pyridine	SW8270C	50	30400	500000	ND		ug/Kg	07/20/21	16:52	MT	458182
Acceptance Limits											
2-Fluorophenol (S)	SW8270C			25 - 121	0.000	D	%	07/20/21	16:52	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-1.25	Lab Sample ID:	2107137-001A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Phenol-d6 (S)	SW8270C	24 - 113	0.000	D	%	07/20/21	16:52	MT	458182
2,4,6-Tribromophenol (S)	SW8270C	19 - 122	0.000	D	%	07/20/21	16:52	MT	458182
2-Fluorobiphenyl (S)	SW8270C	45 - 143	0.000	D	%	07/20/21	16:52	MT	458182
Nitrobenzene-d5 (S)	SW8270C	23 - 120	0.000	D	%	07/20/21	16:52	MT	458182
p-Terphenyl-d14 (S)	SW8270C	18 - 137	0.000	D	%	07/20/21	16:52	MT	458182

NOTE: In an effort to minimize matrix interference, the solvent final volume to sample mass ratio had to be increased resulting in elevated reporting limits.
The sample was further diluted due to the nature of the extract (dark and viscous).



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-1.25	Lab Sample ID:	2107137-001A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 7/20/21 10:19:00AM
Prep Batch ID: 1133424	Prep Analyst: NDU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	4	170	400	ND		mg/Kg	07/20/21	16:54	SN	458235
TPH as Motor Oil	SW8015B	4	640	2000	6040		mg/Kg	07/20/21	16:54	SN	458235
Pentacosane (S)	SW8015B	Acceptance Limits			0.000	D	%	07/20/21	16:54	SN	458235



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-1.25	Lab Sample ID:	2107137-001A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 7/20/21 10:16:00AM
Prep Batch ID: 1133461	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	07/20/21	16:47	BP	458218
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	16:47	BP	458218
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	16:47	BP	458218
TBA	SW8260B	1	12	50	ND		ug/Kg	07/20/21	16:47	BP	458218
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	16:47	BP	458218
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	16:47	BP	458218
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	16:47	BP	458218
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	16:47	BP	458218
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Tetrachloroethene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	16:47	BP	458218
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	16:47	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-1.25	Lab Sample ID:	2107137-001A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	7/20/21	10:16:00AM
Prep Batch ID:	1133461	Prep Analyst:	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	16:47	BP	458218
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/20/21	16:47	BP	458218
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	16:47	BP	458218
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	16:47	BP	458218
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	16:47	BP	458218
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	16:47	BP	458218
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	16:47	BP	458218
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	16:47	BP	458218
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	16:47	BP	458218
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	16:47	BP	458218
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	16:47	BP	458218
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	16:47	BP	458218
2-Butanone	SW8260B	1	2.3	10.0	ND		ug/Kg	07/20/21	16:47	BP	458218
(S) Dibromofluoromethane	SW8260B		59.8 - 148		73.1		%	07/20/21	16:47	BP	458218
(S) Toluene-d8	SW8260B		55.2 - 133		101		%	07/20/21	16:47	BP	458218
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		94.6		%	07/20/21	16:47	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	MW-1-1.25	Lab Sample ID:	2107137-001A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 7/20/21 10:16:00AM
Prep Batch ID: 1133462	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	43	100	745	x	ug/Kg	07/20/21	16:47	BP	458218
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		96.3		%	07/20/21	16:47	BP	458218

NOTE: x – Does not match pattern of reference Gasoline standard. Hydrocarbons in the range of C5-C12 quantified as Gasoline.



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	MW-1-6.5	Lab Sample ID:	2107137-002A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 7/19/21 1:45:00PM
Prep Batch ID: 1133407	Prep Analyst: ERVS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/20/21	12:15	BJAY	458183



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-6.5	Lab Sample ID:	2107137-002A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	7/19/21	3:46:00PM
Prep Batch ID:	1133406	Prep Analyst:	ERVS	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:10	TMN	458190
Arsenic	SW6010B	1	0.15	1.30	4.76		mg/Kg	07/20/21	13:10	TMN	458190
Barium	SW6010B	1	0.055	5.00	64.0		mg/Kg	07/20/21	13:10	TMN	458190
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/20/21	13:10	TMN	458190
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/20/21	13:10	TMN	458190
Chromium	SW6010B	1	0.075	5.00	47.2		mg/Kg	07/20/21	13:10	TMN	458190
Cobalt	SW6010B	1	0.070	5.00	6.95		mg/Kg	07/20/21	13:10	TMN	458190
Copper	SW6010B	1	0.20	5.00	23.3		mg/Kg	07/20/21	13:10	TMN	458190
Lead	SW6010B	1	0.10	3.00	16.5		mg/Kg	07/20/21	13:10	TMN	458190
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:10	TMN	458190
Nickel	SW6010B	1	0.50	5.00	40.0		mg/Kg	07/20/21	13:10	TMN	458190
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/20/21	13:10	TMN	458190
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/20/21	13:10	TMN	458190
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/20/21	13:10	TMN	458190
Vanadium	SW6010B	1	0.10	5.00	37.1		mg/Kg	07/20/21	13:10	TMN	458190
Zinc	SW6010B	1	0.30	5.00	48.7		mg/Kg	07/20/21	13:10	TMN	458190



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-6.5	Lab Sample ID:	2107137-002A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_PCB	Prep Batch Date/Time:	7/19/21	3:22:00PM
Prep Batch ID:	1133419	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	35.0	100	ND		ug/Kg	07/20/21	19:45	MK	458204
Aroclor1221	SW8082A	1	5.00	100	ND		ug/Kg	07/20/21	19:45	MK	458204
Aroclor1232	SW8082A	1	17.0	100	ND		ug/Kg	07/20/21	19:45	MK	458204
Aroclor1242	SW8082A	1	3.00	100	ND		ug/Kg	07/20/21	19:45	MK	458204
Aroclor1248	SW8082A	1	2.00	100	ND		ug/Kg	07/20/21	19:45	MK	458204
Aroclor1254	SW8082A	1	14.0	100	ND		ug/Kg	07/20/21	19:45	MK	458204
Aroclor1260	SW8082A	1	24.0	100	ND		ug/Kg	07/20/21	19:45	MK	458204
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		83.0		%	07/20/21	19:45	MK	458204
DCBP (S)	SW8082A		48 - 135		78.0		%	07/20/21	19:45	MK	458204



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-6.5	Lab Sample ID:	2107137-002A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_OCP	Prep Batch Date/Time:	7/19/21	10:06:00AM
Prep Batch ID:	1133411	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

alpha-BHC	SW8081B	10	1.3	20	ND		ug/Kg	07/20/21	4:33	LA	458158
gamma-BHC (Lindane)	SW8081B	10	1.6	20	ND		ug/Kg	07/20/21	4:33	LA	458158
beta-BHC	SW8081B	10	3.2	20	ND		ug/Kg	07/20/21	4:33	LA	458158
delta-BHC	SW8081B	10	1.6	20	ND		ug/Kg	07/20/21	4:33	LA	458158
Heptachlor	SW8081B	10	1.1	20	ND		ug/Kg	07/20/21	4:33	LA	458158
Aldrin	SW8081B	10	2.0	20	ND		ug/Kg	07/20/21	4:33	LA	458158
Heptachlor Epoxide	SW8081B	10	0.78	20	ND		ug/Kg	07/20/21	4:33	LA	458158
gamma-Chlordane	SW8081B	10	1.6	20	ND		ug/Kg	07/20/21	4:33	LA	458158
alpha-Chlordane	SW8081B	10	1.7	20	9.69	J	ug/Kg	07/20/21	4:33	LA	458158
4,4'-DDE	SW8081B	10	1.9	20	14.6	J	ug/Kg	07/20/21	4:33	LA	458158
Endosulfan I	SW8081B	10	1.8	20	ND		ug/Kg	07/20/21	4:33	LA	458158
Dieldrin	SW8081B	10	1.5	20	ND		ug/Kg	07/20/21	4:33	LA	458158
Endrin	SW8081B	10	1.9	20	ND		ug/Kg	07/20/21	4:33	LA	458158
4,4'-DDD	SW8081B	10	5.7	20	19.4	J	ug/Kg	07/20/21	4:33	LA	458158
Endosulfan II	SW8081B	10	5.8	20	ND		ug/Kg	07/20/21	4:33	LA	458158
4,4'-DDT	SW8081B	10	1.3	20	ND		ug/Kg	07/20/21	4:33	LA	458158
Endrin Aldehyde	SW8081B	10	1.5	20	ND		ug/Kg	07/20/21	4:33	LA	458158
Methoxychlor	SW8081B	10	2.0	20	ND		ug/Kg	07/20/21	4:33	LA	458158
Endosulfan Sulfate	SW8081B	10	1.2	20	ND		ug/Kg	07/20/21	4:33	LA	458158
Endrin Ketone	SW8081B	10	0.94	20	ND		ug/Kg	07/20/21	4:33	LA	458158
Chlordane	SW8081B	10	21	200	ND		ug/Kg	07/20/21	4:33	LA	458158
Toxaphene	SW8081B	10	85	500	ND		ug/Kg	07/20/21	4:33	LA	458158
Acceptance Limits											
Tetrachloro-M-Xylene (S)	SW8081B	48 - 125		74.4		%	07/20/21	4:33	LA	458158	
Decachlorobiphenyl (S)	SW8081B	38 - 135		61.9		%	07/20/21	4:33	LA	458158	

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-6.5	Lab Sample ID:	2107137-002A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	7/19/21	10:33:00AM
Prep Batch ID:	1133392	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

N-Nitrosodimethylamine	SW8270C	20	938	14400	ND		ug/Kg	07/20/21	20:02	MT	458182
Phenol	SW8270C	20	876	5760	ND		ug/Kg	07/20/21	20:02	MT	458182
Bis(2-chloroethyl)ether	SW8270C	20	266	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
2-Chlorophenol	SW8270C	20	954	5760	ND		ug/Kg	07/20/21	20:02	MT	458182
1,3-Dichlorobenzene	SW8270C	20	263	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
1,4-Dichlorobenzene	SW8270C	20	293	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Benzyl Alcohol	SW8270C	20	409	5760	ND		ug/Kg	07/20/21	20:02	MT	458182
1,2-Dichlorobenzene	SW8270C	20	270	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
2-Methylphenol (o-Cresol)	SW8270C	20	587	5760	ND		ug/Kg	07/20/21	20:02	MT	458182
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	20	1360	14400	ND		ug/Kg	07/20/21	20:02	MT	458182
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	20	626	5760	ND		ug/Kg	07/20/21	20:02	MT	458182
N-nitroso-di-n-propylamine	SW8270C	20	263	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Hexachloroethane	SW8270C	20	341	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Nitrobenzene	SW8270C	20	257	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Isophorone	SW8270C	20	243	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
2-Nitrophenol	SW8270C	20	508	5760	ND		ug/Kg	07/20/21	20:02	MT	458182
2,4-Dimethylphenol	SW8270C	20	456	5760	ND		ug/Kg	07/20/21	20:02	MT	458182
Benzoic Acid	SW8270C	20	834	5760	ND		ug/Kg	07/20/21	20:02	MT	458182
Bis(2-Chloroethoxy)methane	SW8270C	20	196	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Bis(2-chloroisopropyl)ether	SW8270C	20	252	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
2,4-Dichlorophenol	SW8270C	20	786	5760	ND		ug/Kg	07/20/21	20:02	MT	458182
1,2,4-Trichlorobenzene	SW8270C	20	237	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Naphthalene	SW8270C	20	212	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
2,6-Dichlorophenol	SW8270C	20	716	5760	ND		ug/Kg	07/20/21	20:02	MT	458182
Hexachloro-1,3-butadiene	SW8270C	20	167	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
4-Chloro-3-methylphenol	SW8270C	20	676	5760	ND		ug/Kg	07/20/21	20:02	MT	458182
2-Methylnaphthalene	SW8270C	20	209	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
1-Methylnaphthalene	SW8270C	20	244	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Hexachlorocyclopentadiene	SW8270C	20	259	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
2,4,6-Trichlorophenol	SW8270C	20	719	5760	ND		ug/Kg	07/20/21	20:02	MT	458182
2,4,5-Trichlorophenol	SW8270C	20	668	5760	ND		ug/Kg	07/20/21	20:02	MT	458182
2-Chloronaphthalene	SW8270C	20	212	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
1,4-Dinitrobenzene	SW8270C	20	206	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Dimethyl phthalate	SW8270C	20	283	14400	ND		ug/Kg	07/20/21	20:02	MT	458182
1,3-Dinitrobenzene	SW8270C	20	208	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Acenaphthylene	SW8270C	20	166	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
2,6-Dinitrotoluene	SW8270C	20	226	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
1,2-Dinitrobenzene	SW8270C	20	315	2880	ND		ug/Kg	07/20/21	20:02	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-6.5	Lab Sample ID:	2107137-002A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Acenaphthene	SW8270C	20	213	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
2,4-Dinitrophenol	SW8270C	20	1550	14400	ND		ug/Kg	07/20/21	20:02	MT	458182
4-Nitrophenol	SW8270C	20	1090	14400	ND		ug/Kg	07/20/21	20:02	MT	458182
Dibenzofuran	SW8270C	20	224	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
2,4-Dinitrotoluene	SW8270C	20	242	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
2,3,5,6-Tetrachlorophenol	SW8270C	20	552	5760	ND		ug/Kg	07/20/21	20:02	MT	458182
2,3,4,6-Tetrachlorophenol	SW8270C	20	629	5760	ND		ug/Kg	07/20/21	20:02	MT	458182
Diethylphthalate	SW8270C	20	273	14400	ND		ug/Kg	07/20/21	20:02	MT	458182
Fluorene	SW8270C	20	206	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
4-Chlorophenyl-phenylether	SW8270C	20	186	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
4,6-Dinitro-2-methylphenol	SW8270C	20	268	5760	ND		ug/Kg	07/20/21	20:02	MT	458182
Diphenylamine	SW8270C	20	261	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Azobenzene	SW8270C	20	2270	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
4-Bromophenyl-phenylether	SW8270C	20	165	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Hexachlorobenzene	SW8270C	20	173	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Pentachlorophenol	SW8270C	20	500	5760	ND		ug/Kg	07/20/21	20:02	MT	458182
Phenanthrene	SW8270C	20	186	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Anthracene	SW8270C	20	178	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Carbazole	SW8270C	20	215	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Di-n-butylphthalate	SW8270C	20	270	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Fluoranthene	SW8270C	20	200	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Benzidine	SW8270C	20	2940	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Pyrene	SW8270C	20	239	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Butylbenzylphthalate	SW8270C	20	421	14400	ND		ug/Kg	07/20/21	20:02	MT	458182
Benzo(a)anthracene	SW8270C	20	196	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
3,3-Dichlorobenzidine	SW8270C	20	2350	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Chrysene	SW8270C	20	303	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Bis(2-Ethylhexyl)phthalate	SW8270C	20	307	14400	ND		ug/Kg	07/20/21	20:02	MT	458182
Di-n-Octylphthalate	SW8270C	20	246	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Benzo(b)fluoranthene	SW8270C	20	241	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
benzo(k)fluoranthene	SW8270C	20	163	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Benzo(a)pyrene	SW8270C	20	196	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Indeno(1,2,3-c,d)pyrene	SW8270C	20	276	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Dibenzo(a,h)anthracene	SW8270C	20	254	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Benzo(g,h,i)perylene	SW8270C	20	333	2880	ND		ug/Kg	07/20/21	20:02	MT	458182
Pyridine	SW8270C	20	876	14400	ND		ug/Kg	07/20/21	20:02	MT	458182
Acceptance Limits											
2-Fluorophenol (S)	SW8270C			25 - 121	0.000	D	%	07/20/21	20:02	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-6.5	Lab Sample ID:	2107137-002A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Phenol-d6 (S)	SW8270C	24 - 113	0.000	D	%	07/20/21	20:02	MT	458182
2,4,6-Tribromophenol (S)	SW8270C	19 - 122	0.000	D	%	07/20/21	20:02	MT	458182
2-Fluorobiphenyl (S)	SW8270C	45 - 143	0.000	D	%	07/20/21	20:02	MT	458182
Nitrobenzene-d5 (S)	SW8270C	23 - 120	0.000	D	%	07/20/21	20:02	MT	458182
p-Terphenyl-d14 (S)	SW8270C	18 - 137	0.000	D	%	07/20/21	20:02	MT	458182

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-6.5	Lab Sample ID:	2107137-002A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 7/20/21 10:19:00AM
Prep Batch ID: 1133424	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	2	6.8	16	70.3	x	mg/Kg	07/20/21	17:19	SN	458235
TPH as Motor Oil	SW8015B	2	25	80	508		mg/Kg	07/20/21	17:19	SN	458235
Pentacosane (S)	SW8015B	Acceptance Limits 45 - 130			66.6		%	07/20/21	17:19	SN	458235

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-6.5	Lab Sample ID:	2107137-002A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 7/20/21 10:16:00AM
Prep Batch ID: 1133461	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	07/20/21	17:16	BP	458218
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	17:16	BP	458218
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	17:16	BP	458218
TBA	SW8260B	1	12	50	ND		ug/Kg	07/20/21	17:16	BP	458218
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	17:16	BP	458218
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	17:16	BP	458218
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	17:16	BP	458218
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	17:16	BP	458218
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Tetrachloroethene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	17:16	BP	458218
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	17:16	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-6.5	Lab Sample ID:	2107137-002A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	7/20/21	10:16:00AM
Prep Batch ID:	1133461	Prep Analyst:	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	17:16	BP	458218
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/20/21	17:16	BP	458218
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:16	BP	458218
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	17:16	BP	458218
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	17:16	BP	458218
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:16	BP	458218
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	17:16	BP	458218
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:16	BP	458218
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	17:16	BP	458218
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	17:16	BP	458218
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	17:16	BP	458218
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	17:16	BP	458218
2-Butanone	SW8260B	1	2.3	10.0	14.5		ug/Kg	07/20/21	17:16	BP	458218
(S) Dibromofluoromethane	SW8260B		59.8 - 148		73.6		%	07/20/21	17:16	BP	458218
(S) Toluene-d8	SW8260B		55.2 - 133		102		%	07/20/21	17:16	BP	458218
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		91.5		%	07/20/21	17:16	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-1-6.5	Lab Sample ID:	2107137-002A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 7/20/21 10:16:00AM
Prep Batch ID: 1133462	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	43	100	ND		ug/Kg	07/20/21	17:16	BP	458218
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		72.5		%	07/20/21	17:16	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	MW-2-2.5	Lab Sample ID:	2107137-003A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 7/19/21 1:45:00PM
Prep Batch ID: 1133407	Prep Analyst: ERVS

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/20/21	12:17	BJAY	458183



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-2.5	Lab Sample ID:	2107137-003A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	7/19/21	3:46:00PM
Prep Batch ID:	1133406	Prep Analyst:	ERVS	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:11	TMN	458190
Arsenic	SW6010B	1	0.15	1.30	4.41		mg/Kg	07/20/21	13:11	TMN	458190
Barium	SW6010B	1	0.055	5.00	64.0		mg/Kg	07/20/21	13:11	TMN	458190
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/20/21	13:11	TMN	458190
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/20/21	13:11	TMN	458190
Chromium	SW6010B	1	0.075	5.00	48.3		mg/Kg	07/20/21	13:11	TMN	458190
Cobalt	SW6010B	1	0.070	5.00	9.20		mg/Kg	07/20/21	13:11	TMN	458190
Copper	SW6010B	1	0.20	5.00	28.1		mg/Kg	07/20/21	13:11	TMN	458190
Lead	SW6010B	1	0.10	3.00	22.8		mg/Kg	07/20/21	13:11	TMN	458190
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:11	TMN	458190
Nickel	SW6010B	1	0.50	5.00	44.1		mg/Kg	07/20/21	13:11	TMN	458190
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/20/21	13:11	TMN	458190
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/20/21	13:11	TMN	458190
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/20/21	13:11	TMN	458190
Vanadium	SW6010B	1	0.10	5.00	43.1		mg/Kg	07/20/21	13:11	TMN	458190
Zinc	SW6010B	1	0.30	5.00	42.3		mg/Kg	07/20/21	13:11	TMN	458190



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-2.5	Lab Sample ID:	2107137-003A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_PCB	Prep Batch Date/Time:	7/19/21	3:22:00PM
Prep Batch ID:	1133419	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	35.0	100	ND		ug/Kg	07/20/21	19:59	MK	458204
Aroclor1221	SW8082A	1	5.00	100	ND		ug/Kg	07/20/21	19:59	MK	458204
Aroclor1232	SW8082A	1	17.0	100	ND		ug/Kg	07/20/21	19:59	MK	458204
Aroclor1242	SW8082A	1	3.00	100	ND		ug/Kg	07/20/21	19:59	MK	458204
Aroclor1248	SW8082A	1	2.00	100	ND		ug/Kg	07/20/21	19:59	MK	458204
Aroclor1254	SW8082A	1	14.0	100	ND		ug/Kg	07/20/21	19:59	MK	458204
Aroclor1260	SW8082A	1	24.0	100	ND		ug/Kg	07/20/21	19:59	MK	458204
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		75.0		%	07/20/21	19:59	MK	458204
DCBP (S)	SW8082A		48 - 135		62.0		%	07/20/21	19:59	MK	458204



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-2.5	Lab Sample ID:	2107137-003A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_OCP	Prep Batch Date/Time:	7/19/21	10:06:00AM
Prep Batch ID:	1133411	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

alpha-BHC	SW8081B	20	2.5	40	ND		ug/Kg	07/20/21	4:47	LA	458158
gamma-BHC (Lindane)	SW8081B	20	3.2	40	ND		ug/Kg	07/20/21	4:47	LA	458158
beta-BHC	SW8081B	20	6.3	40	ND		ug/Kg	07/20/21	4:47	LA	458158
delta-BHC	SW8081B	20	3.1	40	ND		ug/Kg	07/20/21	4:47	LA	458158
Heptachlor	SW8081B	20	2.1	40	ND		ug/Kg	07/20/21	4:47	LA	458158
Aldrin	SW8081B	20	3.9	40	ND		ug/Kg	07/20/21	4:47	LA	458158
Heptachlor Epoxide	SW8081B	20	1.6	40	ND		ug/Kg	07/20/21	4:47	LA	458158
gamma-Chlordane	SW8081B	20	3.3	40	ND		ug/Kg	07/20/21	4:47	LA	458158
alpha-Chlordane	SW8081B	20	3.5	40	ND		ug/Kg	07/20/21	4:47	LA	458158
4,4'-DDE	SW8081B	20	3.9	40	ND		ug/Kg	07/20/21	4:47	LA	458158
Endosulfan I	SW8081B	20	3.7	40	ND		ug/Kg	07/20/21	4:47	LA	458158
Dieldrin	SW8081B	20	3.0	40	ND		ug/Kg	07/20/21	4:47	LA	458158
Endrin	SW8081B	20	3.8	40	ND		ug/Kg	07/20/21	4:47	LA	458158
4,4'-DDD	SW8081B	20	11	40	ND		ug/Kg	07/20/21	4:47	LA	458158
Endosulfan II	SW8081B	20	12	40	ND		ug/Kg	07/20/21	4:47	LA	458158
4,4'-DDT	SW8081B	20	2.6	40	ND		ug/Kg	07/20/21	4:47	LA	458158
Endrin Aldehyde	SW8081B	20	3.0	40	ND		ug/Kg	07/20/21	4:47	LA	458158
Methoxychlor	SW8081B	20	4.0	40	ND		ug/Kg	07/20/21	4:47	LA	458158
Endosulfan Sulfate	SW8081B	20	2.3	40	ND		ug/Kg	07/20/21	4:47	LA	458158
Endrin Ketone	SW8081B	20	1.9	40	ND		ug/Kg	07/20/21	4:47	LA	458158
Chlordane	SW8081B	20	42	400	ND		ug/Kg	07/20/21	4:47	LA	458158
Toxaphene	SW8081B	20	170	1000	ND		ug/Kg	07/20/21	4:47	LA	458158
Acceptance Limits											
Tetrachloro-M-Xylene (S)	SW8081B	48 - 125		0.000	D	%	07/20/21	4:47	LA	458158	
Decachlorobiphenyl (S)	SW8081B	38 - 135		0.000	D	%	07/20/21	4:47	LA	458158	

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-2.5	Lab Sample ID:	2107137-003A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

N-Nitrosodimethylamine	SW8270C	10	6510	100000	ND		ug/Kg	07/20/21	20:32	MT	458182
Phenol	SW8270C	10	6080	40000	ND		ug/Kg	07/20/21	20:32	MT	458182
Bis(2-chloroethyl)ether	SW8270C	10	1850	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
2-Chlorophenol	SW8270C	10	6620	40000	ND		ug/Kg	07/20/21	20:32	MT	458182
1,3-Dichlorobenzene	SW8270C	10	1820	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
1,4-Dichlorobenzene	SW8270C	10	2030	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Benzyl Alcohol	SW8270C	10	2840	40000	ND		ug/Kg	07/20/21	20:32	MT	458182
1,2-Dichlorobenzene	SW8270C	10	1880	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
2-Methylphenol (o-Cresol)	SW8270C	10	4080	40000	ND		ug/Kg	07/20/21	20:32	MT	458182
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	10	9450	100000	ND		ug/Kg	07/20/21	20:32	MT	458182
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	10	4350	40000	ND		ug/Kg	07/20/21	20:32	MT	458182
N-nitroso-di-n-propylamine	SW8270C	10	1830	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Hexachloroethane	SW8270C	10	2370	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Nitrobenzene	SW8270C	10	1780	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Isophorone	SW8270C	10	1690	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
2-Nitrophenol	SW8270C	10	3520	40000	ND		ug/Kg	07/20/21	20:32	MT	458182
2,4-Dimethylphenol	SW8270C	10	3170	40000	ND		ug/Kg	07/20/21	20:32	MT	458182
Benzoic Acid	SW8270C	10	5790	40000	ND		ug/Kg	07/20/21	20:32	MT	458182
Bis(2-Chloroethoxy)methane	SW8270C	10	1360	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Bis(2-chloroisopropyl)ether	SW8270C	10	1750	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
2,4-Dichlorophenol	SW8270C	10	5460	40000	ND		ug/Kg	07/20/21	20:32	MT	458182
1,2,4-Trichlorobenzene	SW8270C	10	1640	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Naphthalene	SW8270C	10	1470	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
2,6-Dichlorophenol	SW8270C	10	4970	40000	ND		ug/Kg	07/20/21	20:32	MT	458182
Hexachloro-1,3-butadiene	SW8270C	10	1160	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
4-Chloro-3-methylphenol	SW8270C	10	4690	40000	ND		ug/Kg	07/20/21	20:32	MT	458182
2-Methylnaphthalene	SW8270C	10	1450	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
1-Methylnaphthalene	SW8270C	10	1690	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Hexachlorocyclopentadiene	SW8270C	10	1800	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
2,4,6-Trichlorophenol	SW8270C	10	4990	40000	ND		ug/Kg	07/20/21	20:32	MT	458182
2,4,5-Trichlorophenol	SW8270C	10	4640	40000	ND		ug/Kg	07/20/21	20:32	MT	458182
2-Chloronaphthalene	SW8270C	10	1470	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
1,4-Dinitrobenzene	SW8270C	10	1430	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Dimethyl phthalate	SW8270C	10	1970	100000	ND		ug/Kg	07/20/21	20:32	MT	458182
1,3-Dinitrobenzene	SW8270C	10	1440	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Acenaphthylene	SW8270C	10	1150	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
2,6-Dinitrotoluene	SW8270C	10	1570	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
1,2-Dinitrobenzene	SW8270C	10	2190	20000	ND		ug/Kg	07/20/21	20:32	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-2.5	Lab Sample ID:	2107137-003A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	7/19/21	10:33:00AM
Prep Batch ID:	1133392	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Acenaphthene	SW8270C	10	1480	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
2,4-Dinitrophenol	SW8270C	10	10800	100000	ND		ug/Kg	07/20/21	20:32	MT	458182
4-Nitrophenol	SW8270C	10	7600	100000	ND		ug/Kg	07/20/21	20:32	MT	458182
Dibenzofuran	SW8270C	10	1560	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
2,4-Dinitrotoluene	SW8270C	10	1680	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
2,3,5,6-Tetrachlorophenol	SW8270C	10	3830	40000	ND		ug/Kg	07/20/21	20:32	MT	458182
2,3,4,6-Tetrachlorophenol	SW8270C	10	4370	40000	ND		ug/Kg	07/20/21	20:32	MT	458182
Diethylphthalate	SW8270C	10	1890	100000	ND		ug/Kg	07/20/21	20:32	MT	458182
Fluorene	SW8270C	10	1430	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
4-Chlorophenyl-phenylether	SW8270C	10	1290	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
4,6-Dinitro-2-methylphenol	SW8270C	10	1860	40000	ND		ug/Kg	07/20/21	20:32	MT	458182
Diphenylamine	SW8270C	10	1810	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Azobenzene	SW8270C	10	15800	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
4-Bromophenyl-phenylether	SW8270C	10	1140	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Hexachlorobenzene	SW8270C	10	1200	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Pentachlorophenol	SW8270C	10	3470	40000	ND		ug/Kg	07/20/21	20:32	MT	458182
Phenanthrene	SW8270C	10	1290	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Anthracene	SW8270C	10	1240	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Carbazole	SW8270C	10	1490	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Di-n-butylphthalate	SW8270C	10	1880	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Fluoranthene	SW8270C	10	1390	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Benzidine	SW8270C	10	20400	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Pyrene	SW8270C	10	1660	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Butylbenzylphthalate	SW8270C	10	2920	100000	ND		ug/Kg	07/20/21	20:32	MT	458182
Benzo(a)anthracene	SW8270C	10	1360	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
3,3-Dichlorobenzidine	SW8270C	10	16300	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Chrysene	SW8270C	10	2110	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Bis(2-Ethylhexyl)phthalate	SW8270C	10	2130	100000	ND		ug/Kg	07/20/21	20:32	MT	458182
Di-n-Octylphthalate	SW8270C	10	1710	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Benzo(b)fluoranthene	SW8270C	10	1670	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
benzo(k)fluoranthene	SW8270C	10	1130	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Benzo(a)pyrene	SW8270C	10	1360	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Indeno(1,2,3-c,d)pyrene	SW8270C	10	1920	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Dibenzo(a,h)anthracene	SW8270C	10	1760	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Benzo(g,h,i)perylene	SW8270C	10	2310	20000	ND		ug/Kg	07/20/21	20:32	MT	458182
Pyridine	SW8270C	10	6080	100000	ND		ug/Kg	07/20/21	20:32	MT	458182
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 121	0.000	D	%	07/20/21	20:32	MT		458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-2.5	Lab Sample ID:	2107137-003A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Phenol-d6 (S)	SW8270C	24 - 113	0.000	D	%	07/20/21	20:32	MT	458182
2,4,6-Tribromophenol (S)	SW8270C	19 - 122	0.000	D	%	07/20/21	20:32	MT	458182
2-Fluorobiphenyl (S)	SW8270C	45 - 143	0.000	D	%	07/20/21	20:32	MT	458182
Nitrobenzene-d5 (S)	SW8270C	23 - 120	0.000	D	%	07/20/21	20:32	MT	458182
p-Terphenyl-d14 (S)	SW8270C	18 - 137	0.000	D	%	07/20/21	20:32	MT	458182

NOTE: In an effort to minimize matrix interference, the solvent final volume to sample mass ratio had to be increased resulting in elevated reporting limits.
The sample was further diluted due to the nature of the extract (dark and viscous).



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-2.5	Lab Sample ID:	2107137-003A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 7/20/21 10:19:00AM
Prep Batch ID: 1133424	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	43	100	ND		mg/Kg	07/20/21	16:28	SN	458235
TPH as Motor Oil	SW8015B	1	160	500	1310		mg/Kg	07/20/21	16:28	SN	458235
Pentacosane (S)	SW8015B	Acceptance Limits 45 - 130			0.000	D	%	07/20/21	16:28	SN	458235



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-2.5	Lab Sample ID:	2107137-003A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 7/20/21 10:16:00AM
Prep Batch ID: 1133461	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	07/20/21	17:45	BP	458218
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	17:45	BP	458218
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	17:45	BP	458218
TBA	SW8260B	1	12	50	ND		ug/Kg	07/20/21	17:45	BP	458218
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	17:45	BP	458218
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	17:45	BP	458218
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	17:45	BP	458218
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	17:45	BP	458218
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Tetrachloroethene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	17:45	BP	458218
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	17:45	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-2.5	Lab Sample ID:	2107137-003A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	7/20/21	10:16:00AM
Prep Batch ID:	1133461	Prep Analyst:	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	17:45	BP	458218
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/20/21	17:45	BP	458218
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:45	BP	458218
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	17:45	BP	458218
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	17:45	BP	458218
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:45	BP	458218
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	17:45	BP	458218
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	17:45	BP	458218
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	17:45	BP	458218
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	17:45	BP	458218
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	17:45	BP	458218
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	17:45	BP	458218
2-Butanone	SW8260B	1	2.3	10.0	ND		ug/Kg	07/20/21	17:45	BP	458218
(S) Dibromofluoromethane	SW8260B		59.8 - 148		72.4		%	07/20/21	17:45	BP	458218
(S) Toluene-d8	SW8260B		55.2 - 133		103		%	07/20/21	17:45	BP	458218
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		92.2		%	07/20/21	17:45	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	MW-2-2.5	Lab Sample ID:	2107137-003A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 7/20/21 10:16:00AM
Prep Batch ID: 1133462	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	43	100	ND		ug/Kg	07/20/21	17:45	BP	458218
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		82.0		%	07/20/21	17:45	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	MW-2-4.25	Lab Sample ID:	2107137-004A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 7/19/21 3:55:00PM
Prep Batch ID: 1133408	Prep Analyst: TNGU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/20/21	12:30	BJAY	458178



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-4.25	Lab Sample ID:	2107137-004A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	7/19/21	3:10:00PM
Prep Batch ID:	1133404	Prep Analyst:	TNGU	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:25	TMN	458191
Arsenic	SW6010B	1	0.15	1.30	1.83		mg/Kg	07/20/21	13:25	TMN	458191
Barium	SW6010B	1	0.055	5.00	67.0		mg/Kg	07/20/21	13:25	TMN	458191
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/20/21	13:25	TMN	458191
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/20/21	13:25	TMN	458191
Chromium	SW6010B	1	0.075	5.00	21.8		mg/Kg	07/20/21	13:25	TMN	458191
Cobalt	SW6010B	1	0.070	5.00	8.25		mg/Kg	07/20/21	13:25	TMN	458191
Copper	SW6010B	1	0.20	5.00	50.5		mg/Kg	07/20/21	13:25	TMN	458191
Lead	SW6010B	1	0.10	3.00	47.1		mg/Kg	07/20/21	13:25	TMN	458191
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:25	TMN	458191
Nickel	SW6010B	1	0.50	5.00	26.1		mg/Kg	07/20/21	13:25	TMN	458191
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/20/21	13:25	TMN	458191
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/20/21	13:25	TMN	458191
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/20/21	13:25	TMN	458191
Vanadium	SW6010B	1	0.10	5.00	42.6		mg/Kg	07/20/21	13:25	TMN	458191
Zinc	SW6010B	1	0.30	5.00	39.1		mg/Kg	07/20/21	13:25	TMN	458191



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-4.25	Lab Sample ID:	2107137-004A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_PCB	Prep Batch Date/Time: 7/19/21 3:22:00PM
Prep Batch ID: 1133419	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Aroclor1016	SW8082A	3	105	300	ND		ug/Kg	07/20/21	20:14	MK	458204
Aroclor1221	SW8082A	3	15.0	300	ND		ug/Kg	07/20/21	20:14	MK	458204
Aroclor1232	SW8082A	3	51.0	300	ND		ug/Kg	07/20/21	20:14	MK	458204
Aroclor1242	SW8082A	3	9.00	300	ND		ug/Kg	07/20/21	20:14	MK	458204
Aroclor1248	SW8082A	3	6.00	300	ND		ug/Kg	07/20/21	20:14	MK	458204
Aroclor1254	SW8082A	3	42.0	300	ND		ug/Kg	07/20/21	20:14	MK	458204
Aroclor1260	SW8082A	3	72.0	300	ND		ug/Kg	07/20/21	20:14	MK	458204
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		99.0		%	07/20/21	20:14	MK	458204
DCBP (S)	SW8082A		48 - 135		87.0		%	07/20/21	20:14	MK	458204

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-4.25	Lab Sample ID:	2107137-004A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_OCP	Prep Batch Date/Time:	7/19/21	10:06:00AM
Prep Batch ID:	1133411	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

alpha-BHC	SW8081B	20	2.5	40	ND		ug/Kg	07/20/21	5:01	LA	458158
gamma-BHC (Lindane)	SW8081B	20	3.2	40	ND		ug/Kg	07/20/21	5:01	LA	458158
beta-BHC	SW8081B	20	6.3	40	ND		ug/Kg	07/20/21	5:01	LA	458158
delta-BHC	SW8081B	20	3.1	40	ND		ug/Kg	07/20/21	5:01	LA	458158
Heptachlor	SW8081B	20	2.1	40	ND		ug/Kg	07/20/21	5:01	LA	458158
Aldrin	SW8081B	20	3.9	40	ND		ug/Kg	07/20/21	5:01	LA	458158
Heptachlor Epoxide	SW8081B	20	1.6	40	ND		ug/Kg	07/20/21	5:01	LA	458158
gamma-Chlordane	SW8081B	20	3.3	40	ND		ug/Kg	07/20/21	5:01	LA	458158
alpha-Chlordane	SW8081B	20	3.5	40	ND		ug/Kg	07/20/21	5:01	LA	458158
4,4'-DDE	SW8081B	20	3.9	40	ND		ug/Kg	07/20/21	5:01	LA	458158
Endosulfan I	SW8081B	20	3.7	40	ND		ug/Kg	07/20/21	5:01	LA	458158
Dieldrin	SW8081B	20	3.0	40	ND		ug/Kg	07/20/21	5:01	LA	458158
Endrin	SW8081B	20	3.8	40	ND		ug/Kg	07/20/21	5:01	LA	458158
4,4'-DDD	SW8081B	20	11	40	ND		ug/Kg	07/20/21	5:01	LA	458158
Endosulfan II	SW8081B	20	12	40	ND		ug/Kg	07/20/21	5:01	LA	458158
4,4'-DDT	SW8081B	20	2.6	40	ND		ug/Kg	07/20/21	5:01	LA	458158
Endrin Aldehyde	SW8081B	20	3.0	40	ND		ug/Kg	07/20/21	5:01	LA	458158
Methoxychlor	SW8081B	20	4.0	40	ND		ug/Kg	07/20/21	5:01	LA	458158
Endosulfan Sulfate	SW8081B	20	2.3	40	ND		ug/Kg	07/20/21	5:01	LA	458158
Endrin Ketone	SW8081B	20	1.9	40	ND		ug/Kg	07/20/21	5:01	LA	458158
Chlordane	SW8081B	20	42	400	ND		ug/Kg	07/20/21	5:01	LA	458158
Toxaphene	SW8081B	20	170	1000	ND		ug/Kg	07/20/21	5:01	LA	458158
Acceptance Limits											
Tetrachloro-M-Xylene (S)	SW8081B	48 - 125		0.000	D	%	07/20/21	5:01	LA	458158	
Decachlorobiphenyl (S)	SW8081B	38 - 135		0.000	D	%	07/20/21	5:01	LA	458158	

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-4.25	Lab Sample ID:	2107137-004A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	7/19/21	10:33:00AM
Prep Batch ID:	1133392	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

N-Nitrosodimethylamine	SW8270C	40	26000	400000	ND		ug/Kg	07/20/21	21:03	MT	458182
Phenol	SW8270C	40	24300	160000	ND		ug/Kg	07/20/21	21:03	MT	458182
Bis(2-chloroethyl)ether	SW8270C	40	7380	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
2-Chlorophenol	SW8270C	40	26500	160000	ND		ug/Kg	07/20/21	21:03	MT	458182
1,3-Dichlorobenzene	SW8270C	40	7300	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
1,4-Dichlorobenzene	SW8270C	40	8130	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Benzyl Alcohol	SW8270C	40	11400	160000	ND		ug/Kg	07/20/21	21:03	MT	458182
1,2-Dichlorobenzene	SW8270C	40	7500	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
2-Methylphenol (o-Cresol)	SW8270C	40	16300	160000	ND		ug/Kg	07/20/21	21:03	MT	458182
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	40	37800	400000	ND		ug/Kg	07/20/21	21:03	MT	458182
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	40	17400	160000	ND		ug/Kg	07/20/21	21:03	MT	458182
N-nitroso-di-n-propylamine	SW8270C	40	7310	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Hexachloroethane	SW8270C	40	9480	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Nitrobenzene	SW8270C	40	7130	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Isophorone	SW8270C	40	6760	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
2-Nitrophenol	SW8270C	40	14100	160000	ND		ug/Kg	07/20/21	21:03	MT	458182
2,4-Dimethylphenol	SW8270C	40	12700	160000	ND		ug/Kg	07/20/21	21:03	MT	458182
Benzoic Acid	SW8270C	40	23200	160000	ND		ug/Kg	07/20/21	21:03	MT	458182
Bis(2-Chloroethoxy)methane	SW8270C	40	5440	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Bis(2-chloroisopropyl)ether	SW8270C	40	7000	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
2,4-Dichlorophenol	SW8270C	40	21800	160000	ND		ug/Kg	07/20/21	21:03	MT	458182
1,2,4-Trichlorobenzene	SW8270C	40	6570	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Naphthalene	SW8270C	40	5880	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
2,6-Dichlorophenol	SW8270C	40	19900	160000	ND		ug/Kg	07/20/21	21:03	MT	458182
Hexachloro-1,3-butadiene	SW8270C	40	4630	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
4-Chloro-3-methylphenol	SW8270C	40	18800	160000	ND		ug/Kg	07/20/21	21:03	MT	458182
2-Methylnaphthalene	SW8270C	40	5800	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
1-Methylnaphthalene	SW8270C	40	6770	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Hexachlorocyclopentadiene	SW8270C	40	7190	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
2,4,6-Trichlorophenol	SW8270C	40	20000	160000	ND		ug/Kg	07/20/21	21:03	MT	458182
2,4,5-Trichlorophenol	SW8270C	40	18600	160000	ND		ug/Kg	07/20/21	21:03	MT	458182
2-Chloronaphthalene	SW8270C	40	5890	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
1,4-Dinitrobenzene	SW8270C	40	5730	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Dimethyl phthalate	SW8270C	40	7860	400000	ND		ug/Kg	07/20/21	21:03	MT	458182
1,3-Dinitrobenzene	SW8270C	40	5770	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Acenaphthylene	SW8270C	40	4600	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
2,6-Dinitrotoluene	SW8270C	40	6290	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
1,2-Dinitrobenzene	SW8270C	40	8760	80000	ND		ug/Kg	07/20/21	21:03	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-4.25	Lab Sample ID:	2107137-004A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Acenaphthene	SW8270C	40	5920	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
2,4-Dinitrophenol	SW8270C	40	43100	400000	ND		ug/Kg	07/20/21	21:03	MT	458182
4-Nitrophenol	SW8270C	40	30400	400000	ND		ug/Kg	07/20/21	21:03	MT	458182
Dibenzofuran	SW8270C	40	6230	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
2,4-Dinitrotoluene	SW8270C	40	6710	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
2,3,5,6-Tetrachlorophenol	SW8270C	40	15300	160000	ND		ug/Kg	07/20/21	21:03	MT	458182
2,3,4,6-Tetrachlorophenol	SW8270C	40	17500	160000	ND		ug/Kg	07/20/21	21:03	MT	458182
Diethylphthalate	SW8270C	40	7570	400000	ND		ug/Kg	07/20/21	21:03	MT	458182
Fluorene	SW8270C	40	5730	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
4-Chlorophenyl-phenylether	SW8270C	40	5180	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
4,6-Dinitro-2-methylphenol	SW8270C	40	7430	160000	ND		ug/Kg	07/20/21	21:03	MT	458182
Diphenylamine	SW8270C	40	7250	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Azobenzene	SW8270C	40	63200	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
4-Bromophenyl-phenylether	SW8270C	40	4570	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Hexachlorobenzene	SW8270C	40	4810	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Pentachlorophenol	SW8270C	40	13900	160000	ND		ug/Kg	07/20/21	21:03	MT	458182
Phenanthrene	SW8270C	40	5180	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Anthracene	SW8270C	40	4950	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Carbazole	SW8270C	40	5970	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Di-n-butylphthalate	SW8270C	40	7500	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Fluoranthene	SW8270C	40	5560	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Benzidine	SW8270C	40	81600	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Pyrene	SW8270C	40	6640	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Butylbenzylphthalate	SW8270C	40	11700	400000	ND		ug/Kg	07/20/21	21:03	MT	458182
Benzo(a)anthracene	SW8270C	40	5450	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
3,3-Dichlorobenzidine	SW8270C	40	65400	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Chrysene	SW8270C	40	8420	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Bis(2-Ethylhexyl)phthalate	SW8270C	40	8520	400000	ND		ug/Kg	07/20/21	21:03	MT	458182
Di-n-Octylphthalate	SW8270C	40	6820	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Benzo(b)fluoranthene	SW8270C	40	6690	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
benzo(k)fluoranthene	SW8270C	40	4530	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Benzo(a)pyrene	SW8270C	40	5440	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Indeno(1,2,3-c,d)pyrene	SW8270C	40	7670	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Dibenzo(a,h)anthracene	SW8270C	40	7060	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Benzo(g,h,i)perylene	SW8270C	40	9250	80000	ND		ug/Kg	07/20/21	21:03	MT	458182
Pyridine	SW8270C	40	24300	400000	ND		ug/Kg	07/20/21	21:03	MT	458182
Acceptance Limits											
2-Fluorophenol (S)	SW8270C			25 - 121	0.000	D	%	07/20/21	21:03	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-4.25	Lab Sample ID:	2107137-004A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Phenol-d6 (S)	SW8270C	24 - 113	0.000	D	%	07/20/21	21:03	MT	458182
2,4,6-Tribromophenol (S)	SW8270C	19 - 122	0.000	D	%	07/20/21	21:03	MT	458182
2-Fluorobiphenyl (S)	SW8270C	45 - 143	0.000	D	%	07/20/21	21:03	MT	458182
Nitrobenzene-d5 (S)	SW8270C	23 - 120	0.000	D	%	07/20/21	21:03	MT	458182
p-Terphenyl-d14 (S)	SW8270C	18 - 137	0.000	D	%	07/20/21	21:03	MT	458182

NOTE: In an effort to minimize matrix interference, the solvent final volume to sample mass ratio had to be increased resulting in elevated reporting limits.
The sample was further diluted due to the nature of the extract (dark and viscous).



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-4.25	Lab Sample ID:	2107137-004A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 7/20/21 10:19:00AM
Prep Batch ID: 1133424	Prep Analyst: NDU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	2	85	200	ND		mg/Kg	07/20/21	17:44	MK	458235
TPH as Motor Oil	SW8015B	2	320	1000	4040		mg/Kg	07/20/21	17:44	MK	458235
Pentacosane (S)	SW8015B	Acceptance Limits			0.000	D	%	07/20/21	17:44	MK	458235



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-4.25	Lab Sample ID:	2107137-004A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 7/20/21 10:16:00AM
Prep Batch ID: 1133461	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	07/20/21	18:13	BP	458218
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	18:13	BP	458218
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	18:13	BP	458218
TBA	SW8260B	1	12	50	ND		ug/Kg	07/20/21	18:13	BP	458218
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	18:13	BP	458218
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	18:13	BP	458218
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	18:13	BP	458218
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	18:13	BP	458218
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Tetrachloroethene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	18:13	BP	458218
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	18:13	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	MW-2-4.25	Lab Sample ID:	2107137-004A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	7/20/21	10:16:00AM
Prep Batch ID:	1133461	Prep Analyst:	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	18:13	BP	458218
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/20/21	18:13	BP	458218
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:13	BP	458218
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	18:13	BP	458218
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	18:13	BP	458218
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:13	BP	458218
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	18:13	BP	458218
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:13	BP	458218
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	18:13	BP	458218
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	18:13	BP	458218
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	18:13	BP	458218
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	18:13	BP	458218
2-Butanone	SW8260B	1	2.3	10.0	ND		ug/Kg	07/20/21	18:13	BP	458218
(S) Dibromofluoromethane	SW8260B		59.8 - 148		73.3		%	07/20/21	18:13	BP	458218
(S) Toluene-d8	SW8260B		55.2 - 133		108		%	07/20/21	18:13	BP	458218
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		86.6		%	07/20/21	18:13	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	MW-2-4.25	Lab Sample ID:	2107137-004A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 7/20/21 10:16:00AM
Prep Batch ID: 1133462	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	43	100	ND		ug/Kg	07/20/21	18:13	BP	458218
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		61.5		%	07/20/21	18:13	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	ES-1-1.5	Lab Sample ID:	2107137-005A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 7/19/21 3:55:00PM
Prep Batch ID: 1133408	Prep Analyst: TNGU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/20/21	12:35	BJAY	458178



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-1.5	Lab Sample ID:	2107137-005A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	7/19/21	3:10:00PM
Prep Batch ID:	1133404	Prep Analyst:	TNGU	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:28	TMN	458191
Arsenic	SW6010B	1	0.15	1.30	3.02		mg/Kg	07/20/21	13:28	TMN	458191
Barium	SW6010B	1	0.055	5.00	59.0		mg/Kg	07/20/21	13:28	TMN	458191
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/20/21	13:28	TMN	458191
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/20/21	13:28	TMN	458191
Chromium	SW6010B	1	0.075	5.00	8.75		mg/Kg	07/20/21	13:28	TMN	458191
Cobalt	SW6010B	1	0.070	5.00	7.85		mg/Kg	07/20/21	13:28	TMN	458191
Copper	SW6010B	1	0.20	5.00	39.8		mg/Kg	07/20/21	13:28	TMN	458191
Lead	SW6010B	1	0.10	3.00	5.95		mg/Kg	07/20/21	13:28	TMN	458191
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:28	TMN	458191
Nickel	SW6010B	1	0.50	5.00	8.35		mg/Kg	07/20/21	13:28	TMN	458191
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/20/21	13:28	TMN	458191
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/20/21	13:28	TMN	458191
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/20/21	13:28	TMN	458191
Vanadium	SW6010B	1	0.10	5.00	48.1		mg/Kg	07/20/21	13:28	TMN	458191
Zinc	SW6010B	1	0.30	5.00	27.8		mg/Kg	07/20/21	13:28	TMN	458191



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-1.5	Lab Sample ID:	2107137-005A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_PCB	Prep Batch Date/Time:	7/19/21	3:22:00PM
Prep Batch ID:	1133419	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Aroclor1016	SW8082A	3	105	300	ND		ug/Kg	07/20/21	20:28	MK	458204
Aroclor1221	SW8082A	3	15.0	300	ND		ug/Kg	07/20/21	20:28	MK	458204
Aroclor1232	SW8082A	3	51.0	300	ND		ug/Kg	07/20/21	20:28	MK	458204
Aroclor1242	SW8082A	3	9.00	300	ND		ug/Kg	07/20/21	20:28	MK	458204
Aroclor1248	SW8082A	3	6.00	300	ND		ug/Kg	07/20/21	20:28	MK	458204
Aroclor1254	SW8082A	3	42.0	300	ND		ug/Kg	07/20/21	20:28	MK	458204
Aroclor1260	SW8082A	3	72.0	300	ND		ug/Kg	07/20/21	20:28	MK	458204
Acceptance Limits											
TCMX (S)	SW8082A	48 - 125		93.0		%	07/20/21	20:28	MK	458204	
DCBP (S)	SW8082A	48 - 135		81.0		%	07/20/21	20:28	MK	458204	

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-1.5	Lab Sample ID:	2107137-005A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_OCP	Prep Batch Date/Time:	7/19/21	10:06:00AM
Prep Batch ID:	1133411	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

alpha-BHC	SW8081B	20	2.5	40	ND		ug/Kg	07/20/21	5:14	LA	458158
gamma-BHC (Lindane)	SW8081B	20	3.2	40	ND		ug/Kg	07/20/21	5:14	LA	458158
beta-BHC	SW8081B	20	6.3	40	ND		ug/Kg	07/20/21	5:14	LA	458158
delta-BHC	SW8081B	20	3.1	40	ND		ug/Kg	07/20/21	5:14	LA	458158
Heptachlor	SW8081B	20	2.1	40	ND		ug/Kg	07/20/21	5:14	LA	458158
Aldrin	SW8081B	20	3.9	40	ND		ug/Kg	07/20/21	5:14	LA	458158
Heptachlor Epoxide	SW8081B	20	1.6	40	ND		ug/Kg	07/20/21	5:14	LA	458158
gamma-Chlordane	SW8081B	20	3.3	40	ND		ug/Kg	07/20/21	5:14	LA	458158
alpha-Chlordane	SW8081B	20	3.5	40	ND		ug/Kg	07/20/21	5:14	LA	458158
4,4'-DDE	SW8081B	20	3.9	40	ND		ug/Kg	07/20/21	5:14	LA	458158
Endosulfan I	SW8081B	20	3.7	40	ND		ug/Kg	07/20/21	5:14	LA	458158
Dieldrin	SW8081B	20	3.0	40	ND		ug/Kg	07/20/21	5:14	LA	458158
Endrin	SW8081B	20	3.8	40	ND		ug/Kg	07/20/21	5:14	LA	458158
4,4'-DDD	SW8081B	20	11	40	ND		ug/Kg	07/20/21	5:14	LA	458158
Endosulfan II	SW8081B	20	12	40	ND		ug/Kg	07/20/21	5:14	LA	458158
4,4'-DDT	SW8081B	20	2.6	40	ND		ug/Kg	07/20/21	5:14	LA	458158
Endrin Aldehyde	SW8081B	20	3.0	40	ND		ug/Kg	07/20/21	5:14	LA	458158
Methoxychlor	SW8081B	20	4.0	40	ND		ug/Kg	07/20/21	5:14	LA	458158
Endosulfan Sulfate	SW8081B	20	2.3	40	ND		ug/Kg	07/20/21	5:14	LA	458158
Endrin Ketone	SW8081B	20	1.9	40	ND		ug/Kg	07/20/21	5:14	LA	458158
Chlordane	SW8081B	20	42	400	ND		ug/Kg	07/20/21	5:14	LA	458158
Toxaphene	SW8081B	20	170	1000	ND		ug/Kg	07/20/21	5:14	LA	458158
Acceptance Limits											
Tetrachloro-M-Xylene (S)	SW8081B	48 - 125		0.000	D	%	07/20/21	5:14	LA	458158	
Decachlorobiphenyl (S)	SW8081B	38 - 135		0.000	D	%	07/20/21	5:14	LA	458158	

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Client Sample ID: ES-1-1.5
Project Name/Location: 620 Burlingame Boulevard
Project Number: 731757301
Date/Time Sampled: 07/14/21 /
SDG:

Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-1.5	Lab Sample ID:	2107137-005A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

N-Nitrosodimethylamine	SW8270C	40	26000	400000	ND		ug/Kg	07/20/21	21:33	MT	458182
Phenol	SW8270C	40	24300	160000	ND		ug/Kg	07/20/21	21:33	MT	458182
Bis(2-chloroethyl)ether	SW8270C	40	7380	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
2-Chlorophenol	SW8270C	40	26500	160000	ND		ug/Kg	07/20/21	21:33	MT	458182
1,3-Dichlorobenzene	SW8270C	40	7300	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
1,4-Dichlorobenzene	SW8270C	40	8130	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Benzyl Alcohol	SW8270C	40	11400	160000	ND		ug/Kg	07/20/21	21:33	MT	458182
1,2-Dichlorobenzene	SW8270C	40	7500	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
2-Methylphenol (o-Cresol)	SW8270C	40	16300	160000	ND		ug/Kg	07/20/21	21:33	MT	458182
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	40	37800	400000	ND		ug/Kg	07/20/21	21:33	MT	458182
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	40	17400	160000	ND		ug/Kg	07/20/21	21:33	MT	458182
N-nitroso-di-n-propylamine	SW8270C	40	7310	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Hexachloroethane	SW8270C	40	9480	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Nitrobenzene	SW8270C	40	7130	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Isophorone	SW8270C	40	6760	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
2-Nitrophenol	SW8270C	40	14100	160000	ND		ug/Kg	07/20/21	21:33	MT	458182
2,4-Dimethylphenol	SW8270C	40	12700	160000	ND		ug/Kg	07/20/21	21:33	MT	458182
Benzoic Acid	SW8270C	40	23200	160000	ND		ug/Kg	07/20/21	21:33	MT	458182
Bis(2-Chloroethoxy)methane	SW8270C	40	5440	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Bis(2-chloroisopropyl)ether	SW8270C	40	7000	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
2,4-Dichlorophenol	SW8270C	40	21800	160000	ND		ug/Kg	07/20/21	21:33	MT	458182
1,2,4-Trichlorobenzene	SW8270C	40	6570	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Naphthalene	SW8270C	40	5880	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
2,6-Dichlorophenol	SW8270C	40	19900	160000	ND		ug/Kg	07/20/21	21:33	MT	458182
Hexachloro-1,3-butadiene	SW8270C	40	4630	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
4-Chloro-3-methylphenol	SW8270C	40	18800	160000	ND		ug/Kg	07/20/21	21:33	MT	458182
2-Methylnaphthalene	SW8270C	40	5800	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
1-Methylnaphthalene	SW8270C	40	6770	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Hexachlorocyclopentadiene	SW8270C	40	7190	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
2,4,6-Trichlorophenol	SW8270C	40	20000	160000	ND		ug/Kg	07/20/21	21:33	MT	458182
2,4,5-Trichlorophenol	SW8270C	40	18600	160000	ND		ug/Kg	07/20/21	21:33	MT	458182
2-Chloronaphthalene	SW8270C	40	5890	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
1,4-Dinitrobenzene	SW8270C	40	5730	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Dimethyl phthalate	SW8270C	40	7860	400000	ND		ug/Kg	07/20/21	21:33	MT	458182
1,3-Dinitrobenzene	SW8270C	40	5770	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Acenaphthylene	SW8270C	40	4600	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
2,6-Dinitrotoluene	SW8270C	40	6290	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
1,2-Dinitrobenzene	SW8270C	40	8760	80000	ND		ug/Kg	07/20/21	21:33	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-1.5	Lab Sample ID:	2107137-005A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Acenaphthene	SW8270C	40	5920	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
2,4-Dinitrophenol	SW8270C	40	43100	400000	ND		ug/Kg	07/20/21	21:33	MT	458182
4-Nitrophenol	SW8270C	40	30400	400000	ND		ug/Kg	07/20/21	21:33	MT	458182
Dibenzofuran	SW8270C	40	6230	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
2,4-Dinitrotoluene	SW8270C	40	6710	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
2,3,5,6-Tetrachlorophenol	SW8270C	40	15300	160000	ND		ug/Kg	07/20/21	21:33	MT	458182
2,3,4,6-Tetrachlorophenol	SW8270C	40	17500	160000	ND		ug/Kg	07/20/21	21:33	MT	458182
Diethylphthalate	SW8270C	40	7570	400000	ND		ug/Kg	07/20/21	21:33	MT	458182
Fluorene	SW8270C	40	5730	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
4-Chlorophenyl-phenylether	SW8270C	40	5180	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
4,6-Dinitro-2-methylphenol	SW8270C	40	7430	160000	ND		ug/Kg	07/20/21	21:33	MT	458182
Diphenylamine	SW8270C	40	7250	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Azobenzene	SW8270C	40	63200	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
4-Bromophenyl-phenylether	SW8270C	40	4570	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Hexachlorobenzene	SW8270C	40	4810	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Pentachlorophenol	SW8270C	40	13900	160000	ND		ug/Kg	07/20/21	21:33	MT	458182
Phenanthrene	SW8270C	40	5180	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Anthracene	SW8270C	40	4950	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Carbazole	SW8270C	40	5970	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Di-n-butylphthalate	SW8270C	40	7500	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Fluoranthene	SW8270C	40	5560	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Benzidine	SW8270C	40	81600	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Pyrene	SW8270C	40	6640	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Butylbenzylphthalate	SW8270C	40	11700	400000	ND		ug/Kg	07/20/21	21:33	MT	458182
Benzo(a)anthracene	SW8270C	40	5450	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
3,3-Dichlorobenzidine	SW8270C	40	65400	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Chrysene	SW8270C	40	8420	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Bis(2-Ethylhexyl)phthalate	SW8270C	40	8520	400000	ND		ug/Kg	07/20/21	21:33	MT	458182
Di-n-Octylphthalate	SW8270C	40	6820	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Benzo(b)fluoranthene	SW8270C	40	6690	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
benzo(k)fluoranthene	SW8270C	40	4530	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Benzo(a)pyrene	SW8270C	40	5440	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Indeno(1,2,3-c,d)pyrene	SW8270C	40	7670	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Dibenzo(a,h)anthracene	SW8270C	40	7060	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Benzo(g,h,i)perylene	SW8270C	40	9250	80000	ND		ug/Kg	07/20/21	21:33	MT	458182
Pyridine	SW8270C	40	24300	400000	ND		ug/Kg	07/20/21	21:33	MT	458182
Acceptance Limits											
2-Fluorophenol (S)	SW8270C			25 - 121	0.000	D	%	07/20/21	21:33	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-1.5	Lab Sample ID:	2107137-005A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	7/19/21	10:33:00AM
Prep Batch ID:	1133392	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Phenol-d6 (S)	SW8270C	24 - 113	0.000	D	%	07/20/21	21:33	MT	458182
2,4,6-Tribromophenol (S)	SW8270C	19 - 122	0.000	D	%	07/20/21	21:33	MT	458182
2-Fluorobiphenyl (S)	SW8270C	45 - 143	0.000	D	%	07/20/21	21:33	MT	458182
Nitrobenzene-d5 (S)	SW8270C	23 - 120	0.000	D	%	07/20/21	21:33	MT	458182
p-Terphenyl-d14 (S)	SW8270C	18 - 137	0.000	D	%	07/20/21	21:33	MT	458182

NOTE: In an effort to minimize matrix interference, the solvent final volume to sample mass ratio had to be increased resulting in elevated reporting limits.
The sample was further diluted due to the nature of the extract (dark and viscous).



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-1.5	Lab Sample ID:	2107137-005A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 7/20/21 10:19:00AM
Prep Batch ID: 1133424	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	4	170	400	ND		mg/Kg	07/20/21	18:10	MK	458235
TPH as Motor Oil	SW8015B	4	640	2000	4410		mg/Kg	07/20/21	18:10	MK	458235
Pentacosane (S)	SW8015B	Acceptance Limits 45 - 130			0.000	D	%	07/20/21	18:10	MK	458235



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-1.5	Lab Sample ID:	2107137-005A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	7/20/21	10:16:00AM
Prep Batch ID:	1133461	Prep Analyst:	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	07/20/21	18:42	BP	458218
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	18:42	BP	458218
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	18:42	BP	458218
TBA	SW8260B	1	12	50	ND		ug/Kg	07/20/21	18:42	BP	458218
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	18:42	BP	458218
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	18:42	BP	458218
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	18:42	BP	458218
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	18:42	BP	458218
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Tetrachloroethene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	18:42	BP	458218
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	18:42	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-1.5	Lab Sample ID:	2107137-005A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	7/20/21	10:16:00AM
Prep Batch ID:	1133461	Prep Analyst:	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	18:42	BP	458218
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/20/21	18:42	BP	458218
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:42	BP	458218
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	18:42	BP	458218
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	18:42	BP	458218
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:42	BP	458218
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	18:42	BP	458218
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	18:42	BP	458218
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	18:42	BP	458218
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	18:42	BP	458218
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	18:42	BP	458218
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	18:42	BP	458218
2-Butanone	SW8260B	1	2.3	10.0	ND		ug/Kg	07/20/21	18:42	BP	458218
(S) Dibromofluoromethane	SW8260B		59.8 - 148		71.5		%	07/20/21	18:42	BP	458218
(S) Toluene-d8	SW8260B		55.2 - 133		104		%	07/20/21	18:42	BP	458218
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		88.2		%	07/20/21	18:42	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-1.5	Lab Sample ID:	2107137-005A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 7/20/21 10:16:00AM
Prep Batch ID: 1133462	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	43	100	ND		ug/Kg	07/20/21	18:42	BP	458218
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		69.6		%	07/20/21	18:42	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	ES-1-2.5	Lab Sample ID:	2107137-006A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 7/19/21 3:55:00PM
Prep Batch ID: 1133408	Prep Analyst: TNGU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/20/21	12:48	BJAY	458178



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-2.5	Lab Sample ID:	2107137-006A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	7/19/21	3:10:00PM
Prep Batch ID:	1133404	Prep Analyst:	TNGU	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:38	TMN	458191
Arsenic	SW6010B	1	0.15	1.30	1.59		mg/Kg	07/20/21	13:38	TMN	458191
Barium	SW6010B	1	0.055	5.00	81.0		mg/Kg	07/20/21	13:38	TMN	458191
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/20/21	13:38	TMN	458191
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/20/21	13:38	TMN	458191
Chromium	SW6010B	1	0.075	5.00	23.8		mg/Kg	07/20/21	13:38	TMN	458191
Cobalt	SW6010B	1	0.070	5.00	5.95		mg/Kg	07/20/21	13:38	TMN	458191
Copper	SW6010B	1	0.20	5.00	17.0		mg/Kg	07/20/21	13:38	TMN	458191
Lead	SW6010B	1	0.10	3.00	4.79		mg/Kg	07/20/21	13:38	TMN	458191
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:38	TMN	458191
Nickel	SW6010B	1	0.50	5.00	23.2		mg/Kg	07/20/21	13:38	TMN	458191
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/20/21	13:38	TMN	458191
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/20/21	13:38	TMN	458191
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/20/21	13:38	TMN	458191
Vanadium	SW6010B	1	0.10	5.00	31.2		mg/Kg	07/20/21	13:38	TMN	458191
Zinc	SW6010B	1	0.30	5.00	21.6		mg/Kg	07/20/21	13:38	TMN	458191



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-2.5	Lab Sample ID:	2107137-006A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_PCB	Prep Batch Date/Time:	7/19/21	3:22:00PM
Prep Batch ID:	1133419	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	35.0	100	ND		ug/Kg	07/20/21	20:42	MK	458204
Aroclor1221	SW8082A	1	5.00	100	ND		ug/Kg	07/20/21	20:42	MK	458204
Aroclor1232	SW8082A	1	17.0	100	ND		ug/Kg	07/20/21	20:42	MK	458204
Aroclor1242	SW8082A	1	3.00	100	ND		ug/Kg	07/20/21	20:42	MK	458204
Aroclor1248	SW8082A	1	2.00	100	ND		ug/Kg	07/20/21	20:42	MK	458204
Aroclor1254	SW8082A	1	14.0	100	ND		ug/Kg	07/20/21	20:42	MK	458204
Aroclor1260	SW8082A	1	24.0	100	ND		ug/Kg	07/20/21	20:42	MK	458204
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		64.0		%	07/20/21	20:42	MK	458204
DCBP (S)	SW8082A		48 - 135		49.0		%	07/20/21	20:42	MK	458204



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-2.5	Lab Sample ID:	2107137-006A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_OCP	Prep Batch Date/Time:	7/19/21	10:06:00AM
Prep Batch ID:	1133411	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

alpha-BHC	SW8081B	20	2.5	40	ND		ug/Kg	07/20/21	5:29	LA	458158
gamma-BHC (Lindane)	SW8081B	20	3.2	40	ND		ug/Kg	07/20/21	5:29	LA	458158
beta-BHC	SW8081B	20	6.3	40	ND		ug/Kg	07/20/21	5:29	LA	458158
delta-BHC	SW8081B	20	3.1	40	ND		ug/Kg	07/20/21	5:29	LA	458158
Heptachlor	SW8081B	20	2.1	40	ND		ug/Kg	07/20/21	5:29	LA	458158
Aldrin	SW8081B	20	3.9	40	ND		ug/Kg	07/20/21	5:29	LA	458158
Heptachlor Epoxide	SW8081B	20	1.6	40	ND		ug/Kg	07/20/21	5:29	LA	458158
gamma-Chlordane	SW8081B	20	3.3	40	ND		ug/Kg	07/20/21	5:29	LA	458158
alpha-Chlordane	SW8081B	20	3.5	40	ND		ug/Kg	07/20/21	5:29	LA	458158
4,4'-DDE	SW8081B	20	3.9	40	ND		ug/Kg	07/20/21	5:29	LA	458158
Endosulfan I	SW8081B	20	3.7	40	ND		ug/Kg	07/20/21	5:29	LA	458158
Dieldrin	SW8081B	20	3.0	40	ND		ug/Kg	07/20/21	5:29	LA	458158
Endrin	SW8081B	20	3.8	40	ND		ug/Kg	07/20/21	5:29	LA	458158
4,4'-DDD	SW8081B	20	11	40	ND		ug/Kg	07/20/21	5:29	LA	458158
Endosulfan II	SW8081B	20	12	40	ND		ug/Kg	07/20/21	5:29	LA	458158
4,4'-DDT	SW8081B	20	2.6	40	ND		ug/Kg	07/20/21	5:29	LA	458158
Endrin Aldehyde	SW8081B	20	3.0	40	ND		ug/Kg	07/20/21	5:29	LA	458158
Methoxychlor	SW8081B	20	4.0	40	ND		ug/Kg	07/20/21	5:29	LA	458158
Endosulfan Sulfate	SW8081B	20	2.3	40	ND		ug/Kg	07/20/21	5:29	LA	458158
Endrin Ketone	SW8081B	20	1.9	40	ND		ug/Kg	07/20/21	5:29	LA	458158
Chlordane	SW8081B	20	42	400	ND		ug/Kg	07/20/21	5:29	LA	458158
Toxaphene	SW8081B	20	170	1000	ND		ug/Kg	07/20/21	5:29	LA	458158

Acceptance Limits

Tetrachloro-M-Xylene (S)	SW8081B	48 - 125	0.000	D	%	07/20/21	5:29	LA	458158
Decachlorobiphenyl (S)	SW8081B	38 - 135	0.000	D	%	07/20/21	5:29	LA	458158

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-2.5	Lab Sample ID:	2107137-006A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	7/19/21	10:33:00AM
Prep Batch ID:	1133392	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

N-Nitrosodimethylamine	SW8270C	20	13000	200000	ND		ug/Kg	07/20/21	22:04	MT	458182
Phenol	SW8270C	20	12200	80000	ND		ug/Kg	07/20/21	22:04	MT	458182
Bis(2-chloroethyl)ether	SW8270C	20	3690	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
2-Chlorophenol	SW8270C	20	13200	80000	ND		ug/Kg	07/20/21	22:04	MT	458182
1,3-Dichlorobenzene	SW8270C	20	3650	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
1,4-Dichlorobenzene	SW8270C	20	4060	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Benzyl Alcohol	SW8270C	20	5680	80000	ND		ug/Kg	07/20/21	22:04	MT	458182
1,2-Dichlorobenzene	SW8270C	20	3750	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
2-Methylphenol (o-Cresol)	SW8270C	20	8150	80000	ND		ug/Kg	07/20/21	22:04	MT	458182
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	20	18900	200000	ND		ug/Kg	07/20/21	22:04	MT	458182
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	20	8700	80000	ND		ug/Kg	07/20/21	22:04	MT	458182
N-nitroso-di-n-propylamine	SW8270C	20	3650	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Hexachloroethane	SW8270C	20	4740	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Nitrobenzene	SW8270C	20	3570	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Isophorone	SW8270C	20	3380	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
2-Nitrophenol	SW8270C	20	7050	80000	ND		ug/Kg	07/20/21	22:04	MT	458182
2,4-Dimethylphenol	SW8270C	20	6340	80000	ND		ug/Kg	07/20/21	22:04	MT	458182
Benzoic Acid	SW8270C	20	11600	80000	ND		ug/Kg	07/20/21	22:04	MT	458182
Bis(2-Chloroethoxy)methane	SW8270C	20	2720	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Bis(2-chloroisopropyl)ether	SW8270C	20	3500	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
2,4-Dichlorophenol	SW8270C	20	10900	80000	ND		ug/Kg	07/20/21	22:04	MT	458182
1,2,4-Trichlorobenzene	SW8270C	20	3290	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Naphthalene	SW8270C	20	2940	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
2,6-Dichlorophenol	SW8270C	20	9940	80000	ND		ug/Kg	07/20/21	22:04	MT	458182
Hexachloro-1,3-butadiene	SW8270C	20	2320	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
4-Chloro-3-methylphenol	SW8270C	20	9390	80000	ND		ug/Kg	07/20/21	22:04	MT	458182
2-Methylnaphthalene	SW8270C	20	2900	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
1-Methylnaphthalene	SW8270C	20	3390	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Hexachlorocyclopentadiene	SW8270C	20	3600	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
2,4,6-Trichlorophenol	SW8270C	20	9990	80000	ND		ug/Kg	07/20/21	22:04	MT	458182
2,4,5-Trichlorophenol	SW8270C	20	9280	80000	ND		ug/Kg	07/20/21	22:04	MT	458182
2-Chloronaphthalene	SW8270C	20	2950	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
1,4-Dinitrobenzene	SW8270C	20	2870	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Dimethyl phthalate	SW8270C	20	3930	200000	ND		ug/Kg	07/20/21	22:04	MT	458182
1,3-Dinitrobenzene	SW8270C	20	2890	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Acenaphthylene	SW8270C	20	2300	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
2,6-Dinitrotoluene	SW8270C	20	3140	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
1,2-Dinitrobenzene	SW8270C	20	4380	40000	ND		ug/Kg	07/20/21	22:04	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-2.5	Lab Sample ID:	2107137-006A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	7/19/21	10:33:00AM
Prep Batch ID:	1133392	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Acenaphthene	SW8270C	20	2960	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
2,4-Dinitrophenol	SW8270C	20	21500	200000	ND		ug/Kg	07/20/21	22:04	MT	458182
4-Nitrophenol	SW8270C	20	15200	200000	ND		ug/Kg	07/20/21	22:04	MT	458182
Dibenzofuran	SW8270C	20	3120	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
2,4-Dinitrotoluene	SW8270C	20	3360	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
2,3,5,6-Tetrachlorophenol	SW8270C	20	7660	80000	ND		ug/Kg	07/20/21	22:04	MT	458182
2,3,4,6-Tetrachlorophenol	SW8270C	20	8740	80000	ND		ug/Kg	07/20/21	22:04	MT	458182
Diethylphthalate	SW8270C	20	3790	200000	ND		ug/Kg	07/20/21	22:04	MT	458182
Fluorene	SW8270C	20	2860	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
4-Chlorophenyl-phenylether	SW8270C	20	2590	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
4,6-Dinitro-2-methylphenol	SW8270C	20	3720	80000	ND		ug/Kg	07/20/21	22:04	MT	458182
Diphenylamine	SW8270C	20	3620	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Azobenzene	SW8270C	20	31600	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
4-Bromophenyl-phenylether	SW8270C	20	2290	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Hexachlorobenzene	SW8270C	20	2400	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Pentachlorophenol	SW8270C	20	6940	80000	ND		ug/Kg	07/20/21	22:04	MT	458182
Phenanthrene	SW8270C	20	2590	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Anthracene	SW8270C	20	2480	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Carbazole	SW8270C	20	2980	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Di-n-butylphthalate	SW8270C	20	3750	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Fluoranthene	SW8270C	20	2780	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Benzidine	SW8270C	20	40800	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Pyrene	SW8270C	20	3320	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Butylbenzylphthalate	SW8270C	20	5840	200000	ND		ug/Kg	07/20/21	22:04	MT	458182
Benzo(a)anthracene	SW8270C	20	2720	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
3,3-Dichlorobenzidine	SW8270C	20	32700	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Chrysene	SW8270C	20	4210	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Bis(2-Ethylhexyl)phthalate	SW8270C	20	4260	200000	ND		ug/Kg	07/20/21	22:04	MT	458182
Di-n-Octylphthalate	SW8270C	20	3410	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Benzo(b)fluoranthene	SW8270C	20	3340	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
benzo(k)fluoranthene	SW8270C	20	2270	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Benzo(a)pyrene	SW8270C	20	2720	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Indeno(1,2,3-c,d)pyrene	SW8270C	20	3830	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Dibenzo(a,h)anthracene	SW8270C	20	3530	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Benzo(g,h,i)perylene	SW8270C	20	4630	40000	ND		ug/Kg	07/20/21	22:04	MT	458182
Pyridine	SW8270C	20	12200	200000	ND		ug/Kg	07/20/21	22:04	MT	458182
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 121	0.000	D	%	07/20/21	22:04	MT		458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-2.5	Lab Sample ID:	2107137-006A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Phenol-d6 (S)	SW8270C	24 - 113	0.000	D	%	07/20/21	22:04	MT	458182
2,4,6-Tribromophenol (S)	SW8270C	19 - 122	0.000	D	%	07/20/21	22:04	MT	458182
2-Fluorobiphenyl (S)	SW8270C	45 - 143	0.000	D	%	07/20/21	22:04	MT	458182
Nitrobenzene-d5 (S)	SW8270C	23 - 120	0.000	D	%	07/20/21	22:04	MT	458182
p-Terphenyl-d14 (S)	SW8270C	18 - 137	0.000	D	%	07/20/21	22:04	MT	458182

NOTE: In an effort to minimize matrix interference, the solvent final volume to sample mass ratio had to be increased resulting in elevated reporting limits.
The sample was further diluted due to the nature of the extract (dark and viscous).



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-2.5	Lab Sample ID:	2107137-006A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 7/20/21 10:19:00AM
Prep Batch ID: 1133424	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	43	100	ND		mg/Kg	07/20/21	18:35	MK	458235
TPH as Motor Oil	SW8015B	1	160	500	1610		mg/Kg	07/20/21	18:35	MK	458235
Pentacosane (S)	SW8015B	Acceptance Limits 45 - 130			0.000	D	%	07/20/21	18:35	MK	458235



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-2.5	Lab Sample ID:	2107137-006A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	7/21/21	11:16:00AM
Prep Batch ID:	1133477	Prep Analyst:	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	07/21/21	14:07	BP	458243
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/21/21	14:07	BP	458243
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	07/21/21	14:07	BP	458243
TBA	SW8260B	1	12	50	ND		ug/Kg	07/21/21	14:07	BP	458243
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/21/21	14:07	BP	458243
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	07/21/21	14:07	BP	458243
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	07/21/21	14:07	BP	458243
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/21/21	14:07	BP	458243
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Tetrachloroethene	SW8260B	1	1.7	10	ND		ug/Kg	07/21/21	14:07	BP	458243
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/21/21	14:07	BP	458243



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-1-2.5	Lab Sample ID:	2107137-006A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	7/21/21	11:16:00AM
Prep Batch ID:	1133477	Prep Analyst:	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/21/21	14:07	BP	458243
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/21/21	14:07	BP	458243
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/21/21	14:07	BP	458243
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/21/21	14:07	BP	458243
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/21/21	14:07	BP	458243
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	07/21/21	14:07	BP	458243
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/21/21	14:07	BP	458243
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/21/21	14:07	BP	458243
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/21/21	14:07	BP	458243
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/21/21	14:07	BP	458243
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/21/21	14:07	BP	458243
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/21/21	14:07	BP	458243
2-Butanone	SW8260B	1	2.3	10.0	ND		ug/Kg	07/21/21	14:07	BP	458243
(S) Dibromofluoromethane	SW8260B		59.8 - 148		72.2		%	07/21/21	14:07	BP	458243
(S) Toluene-d8	SW8260B		55.2 - 133		104		%	07/21/21	14:07	BP	458243
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		95.6		%	07/21/21	14:07	BP	458243



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	ES-1-2.5	Lab Sample ID:	2107137-006A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 7/20/21 10:16:00AM
Prep Batch ID: 1133462	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	43	100	ND		ug/Kg	07/20/21	19:11	BP	458218
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		87.3		%	07/20/21	19:11	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	ES-2-2.0	Lab Sample ID:	2107137-007A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 7/19/21 3:55:00PM
Prep Batch ID: 1133408	Prep Analyst: TNGU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/20/21	12:50	BJAY	458178



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-2.0	Lab Sample ID:	2107137-007A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	7/19/21	3:10:00PM
Prep Batch ID:	1133404	Prep Analyst:	TNGU	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:40	TMN	458191
Arsenic	SW6010B	1	0.15	1.30	2.04		mg/Kg	07/20/21	13:40	TMN	458191
Barium	SW6010B	1	0.055	5.00	43.4		mg/Kg	07/20/21	13:40	TMN	458191
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/20/21	13:40	TMN	458191
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/20/21	13:40	TMN	458191
Chromium	SW6010B	1	0.075	5.00	16.6		mg/Kg	07/20/21	13:40	TMN	458191
Cobalt	SW6010B	1	0.070	5.00	5.10		mg/Kg	07/20/21	13:40	TMN	458191
Copper	SW6010B	1	0.20	5.00	33.6		mg/Kg	07/20/21	13:40	TMN	458191
Lead	SW6010B	1	0.10	3.00	26.7		mg/Kg	07/20/21	13:40	TMN	458191
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:40	TMN	458191
Nickel	SW6010B	1	0.50	5.00	25.8		mg/Kg	07/20/21	13:40	TMN	458191
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/20/21	13:40	TMN	458191
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/20/21	13:40	TMN	458191
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/20/21	13:40	TMN	458191
Vanadium	SW6010B	1	0.10	5.00	32.2		mg/Kg	07/20/21	13:40	TMN	458191
Zinc	SW6010B	1	0.30	5.00	43.3		mg/Kg	07/20/21	13:40	TMN	458191



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-2.0	Lab Sample ID:	2107137-007A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_PCB	Prep Batch Date/Time: 7/19/21 3:22:00PM
Prep Batch ID: 1133419	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Aroclor1016	SW8082A	3	105	300	ND		ug/Kg	07/20/21	20:57	MK	458204
Aroclor1221	SW8082A	3	15.0	300	ND		ug/Kg	07/20/21	20:57	MK	458204
Aroclor1232	SW8082A	3	51.0	300	ND		ug/Kg	07/20/21	20:57	MK	458204
Aroclor1242	SW8082A	3	9.00	300	ND		ug/Kg	07/20/21	20:57	MK	458204
Aroclor1248	SW8082A	3	6.00	300	ND		ug/Kg	07/20/21	20:57	MK	458204
Aroclor1254	SW8082A	3	42.0	300	ND		ug/Kg	07/20/21	20:57	MK	458204
Aroclor1260	SW8082A	3	72.0	300	ND		ug/Kg	07/20/21	20:57	MK	458204
Acceptance Limits											
TCMX (S)	SW8082A	48 - 125		87.0		%	07/20/21	20:57	MK	458204	
DCBP (S)	SW8082A	48 - 135		75.0		%	07/20/21	20:57	MK	458204	

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-2.0	Lab Sample ID:	2107137-007A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_OCP	Prep Batch Date/Time:	7/19/21	10:06:00AM
Prep Batch ID:	1133411	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

alpha-BHC	SW8081B	20	2.5	40	ND		ug/Kg	07/20/21	5:42	LA	458158
gamma-BHC (Lindane)	SW8081B	20	3.2	40	ND		ug/Kg	07/20/21	5:42	LA	458158
beta-BHC	SW8081B	20	6.3	40	ND		ug/Kg	07/20/21	5:42	LA	458158
delta-BHC	SW8081B	20	3.1	40	ND		ug/Kg	07/20/21	5:42	LA	458158
Heptachlor	SW8081B	20	2.1	40	ND		ug/Kg	07/20/21	5:42	LA	458158
Aldrin	SW8081B	20	3.9	40	ND		ug/Kg	07/20/21	5:42	LA	458158
Heptachlor Epoxide	SW8081B	20	1.6	40	ND		ug/Kg	07/20/21	5:42	LA	458158
gamma-Chlordane	SW8081B	20	3.3	40	ND		ug/Kg	07/20/21	5:42	LA	458158
alpha-Chlordane	SW8081B	20	3.5	40	ND		ug/Kg	07/20/21	5:42	LA	458158
4,4'-DDE	SW8081B	20	3.9	40	ND		ug/Kg	07/20/21	5:42	LA	458158
Endosulfan I	SW8081B	20	3.7	40	ND		ug/Kg	07/20/21	5:42	LA	458158
Dieldrin	SW8081B	20	3.0	40	ND		ug/Kg	07/20/21	5:42	LA	458158
Endrin	SW8081B	20	3.8	40	ND		ug/Kg	07/20/21	5:42	LA	458158
4,4'-DDD	SW8081B	20	11	40	ND		ug/Kg	07/20/21	5:42	LA	458158
Endosulfan II	SW8081B	20	12	40	ND		ug/Kg	07/20/21	5:42	LA	458158
4,4'-DDT	SW8081B	20	2.6	40	ND		ug/Kg	07/20/21	5:42	LA	458158
Endrin Aldehyde	SW8081B	20	3.0	40	ND		ug/Kg	07/20/21	5:42	LA	458158
Methoxychlor	SW8081B	20	4.0	40	ND		ug/Kg	07/20/21	5:42	LA	458158
Endosulfan Sulfate	SW8081B	20	2.3	40	ND		ug/Kg	07/20/21	5:42	LA	458158
Endrin Ketone	SW8081B	20	1.9	40	ND		ug/Kg	07/20/21	5:42	LA	458158
Chlordane	SW8081B	20	42	400	ND		ug/Kg	07/20/21	5:42	LA	458158
Toxaphene	SW8081B	20	170	1000	ND		ug/Kg	07/20/21	5:42	LA	458158
Acceptance Limits											
Tetrachloro-M-Xylene (S)	SW8081B	48 - 125		0.000	D	%	07/20/21	5:42	LA	458158	
Decachlorobiphenyl (S)	SW8081B	38 - 135		0.000	D	%	07/20/21	5:42	LA	458158	

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-2.0	Lab Sample ID:	2107137-007A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	7/19/21	10:33:00AM
Prep Batch ID:	1133392	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

N-Nitrosodimethylamine	SW8270C	40	26000	400000	ND		ug/Kg	07/20/21	22:34	MT	458182
Phenol	SW8270C	40	24300	160000	ND		ug/Kg	07/20/21	22:34	MT	458182
Bis(2-chloroethyl)ether	SW8270C	40	7380	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
2-Chlorophenol	SW8270C	40	26500	160000	ND		ug/Kg	07/20/21	22:34	MT	458182
1,3-Dichlorobenzene	SW8270C	40	7300	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
1,4-Dichlorobenzene	SW8270C	40	8130	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Benzyl Alcohol	SW8270C	40	11400	160000	ND		ug/Kg	07/20/21	22:34	MT	458182
1,2-Dichlorobenzene	SW8270C	40	7500	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
2-Methylphenol (o-Cresol)	SW8270C	40	16300	160000	ND		ug/Kg	07/20/21	22:34	MT	458182
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	40	37800	400000	ND		ug/Kg	07/20/21	22:34	MT	458182
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	40	17400	160000	ND		ug/Kg	07/20/21	22:34	MT	458182
N-nitroso-di-n-propylamine	SW8270C	40	7310	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Hexachloroethane	SW8270C	40	9480	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Nitrobenzene	SW8270C	40	7130	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Isophorone	SW8270C	40	6760	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
2-Nitrophenol	SW8270C	40	14100	160000	ND		ug/Kg	07/20/21	22:34	MT	458182
2,4-Dimethylphenol	SW8270C	40	12700	160000	ND		ug/Kg	07/20/21	22:34	MT	458182
Benzoic Acid	SW8270C	40	23200	160000	ND		ug/Kg	07/20/21	22:34	MT	458182
Bis(2-Chloroethoxy)methane	SW8270C	40	5440	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Bis(2-chloroisopropyl)ether	SW8270C	40	7000	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
2,4-Dichlorophenol	SW8270C	40	21800	160000	ND		ug/Kg	07/20/21	22:34	MT	458182
1,2,4-Trichlorobenzene	SW8270C	40	6570	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Naphthalene	SW8270C	40	5880	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
2,6-Dichlorophenol	SW8270C	40	19900	160000	ND		ug/Kg	07/20/21	22:34	MT	458182
Hexachloro-1,3-butadiene	SW8270C	40	4630	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
4-Chloro-3-methylphenol	SW8270C	40	18800	160000	ND		ug/Kg	07/20/21	22:34	MT	458182
2-Methylnaphthalene	SW8270C	40	5800	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
1-Methylnaphthalene	SW8270C	40	6770	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Hexachlorocyclopentadiene	SW8270C	40	7190	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
2,4,6-Trichlorophenol	SW8270C	40	20000	160000	ND		ug/Kg	07/20/21	22:34	MT	458182
2,4,5-Trichlorophenol	SW8270C	40	18600	160000	ND		ug/Kg	07/20/21	22:34	MT	458182
2-Chloronaphthalene	SW8270C	40	5890	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
1,4-Dinitrobenzene	SW8270C	40	5730	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Dimethyl phthalate	SW8270C	40	7860	400000	ND		ug/Kg	07/20/21	22:34	MT	458182
1,3-Dinitrobenzene	SW8270C	40	5770	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Acenaphthylene	SW8270C	40	4600	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
2,6-Dinitrotoluene	SW8270C	40	6290	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
1,2-Dinitrobenzene	SW8270C	40	8760	80000	ND		ug/Kg	07/20/21	22:34	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-2.0	Lab Sample ID:	2107137-007A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Acenaphthene	SW8270C	40	5920	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
2,4-Dinitrophenol	SW8270C	40	43100	400000	ND		ug/Kg	07/20/21	22:34	MT	458182
4-Nitrophenol	SW8270C	40	30400	400000	ND		ug/Kg	07/20/21	22:34	MT	458182
Dibenzofuran	SW8270C	40	6230	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
2,4-Dinitrotoluene	SW8270C	40	6710	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
2,3,5,6-Tetrachlorophenol	SW8270C	40	15300	160000	ND		ug/Kg	07/20/21	22:34	MT	458182
2,3,4,6-Tetrachlorophenol	SW8270C	40	17500	160000	ND		ug/Kg	07/20/21	22:34	MT	458182
Diethylphthalate	SW8270C	40	7570	400000	ND		ug/Kg	07/20/21	22:34	MT	458182
Fluorene	SW8270C	40	5730	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
4-Chlorophenyl-phenylether	SW8270C	40	5180	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
4,6-Dinitro-2-methylphenol	SW8270C	40	7430	160000	ND		ug/Kg	07/20/21	22:34	MT	458182
Diphenylamine	SW8270C	40	7250	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Azobenzene	SW8270C	40	63200	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
4-Bromophenyl-phenylether	SW8270C	40	4570	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Hexachlorobenzene	SW8270C	40	4810	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Pentachlorophenol	SW8270C	40	13900	160000	ND		ug/Kg	07/20/21	22:34	MT	458182
Phenanthrene	SW8270C	40	5180	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Anthracene	SW8270C	40	4950	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Carbazole	SW8270C	40	5970	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Di-n-butylphthalate	SW8270C	40	7500	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Fluoranthene	SW8270C	40	5560	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Benzidine	SW8270C	40	81600	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Pyrene	SW8270C	40	6640	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Butylbenzylphthalate	SW8270C	40	11700	400000	ND		ug/Kg	07/20/21	22:34	MT	458182
Benzo(a)anthracene	SW8270C	40	5450	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
3,3-Dichlorobenzidine	SW8270C	40	65400	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Chrysene	SW8270C	40	8420	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Bis(2-Ethylhexyl)phthalate	SW8270C	40	8520	400000	ND		ug/Kg	07/20/21	22:34	MT	458182
Di-n-Octylphthalate	SW8270C	40	6820	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Benzo(b)fluoranthene	SW8270C	40	6690	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
benzo(k)fluoranthene	SW8270C	40	4530	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Benzo(a)pyrene	SW8270C	40	5440	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Indeno(1,2,3-c,d)pyrene	SW8270C	40	7670	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Dibenzo(a,h)anthracene	SW8270C	40	7060	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Benzo(g,h,i)perylene	SW8270C	40	9250	80000	ND		ug/Kg	07/20/21	22:34	MT	458182
Pyridine	SW8270C	40	24300	400000	ND		ug/Kg	07/20/21	22:34	MT	458182
Acceptance Limits											
2-Fluorophenol (S)	SW8270C			25 - 121	0.000	D	%	07/20/21	22:34	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-2.0	Lab Sample ID:	2107137-007A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	7/19/21	10:33:00AM
Prep Batch ID:	1133392	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Phenol-d6 (S)	SW8270C	24 - 113	0.000	D	%	07/20/21	22:34	MT	458182
2,4,6-Tribromophenol (S)	SW8270C	19 - 122	0.000	D	%	07/20/21	22:34	MT	458182
2-Fluorobiphenyl (S)	SW8270C	45 - 143	0.000	D	%	07/20/21	22:34	MT	458182
Nitrobenzene-d5 (S)	SW8270C	23 - 120	0.000	D	%	07/20/21	22:34	MT	458182
p-Terphenyl-d14 (S)	SW8270C	18 - 137	0.000	D	%	07/20/21	22:34	MT	458182

NOTE: In an effort to minimize matrix interference, the solvent final volume to sample mass ratio had to be increased resulting in elevated reporting limits.
The sample was further diluted due to the nature of the extract (dark and viscous).



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-2.0	Lab Sample ID:	2107137-007A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 7/20/21 10:19:00AM
Prep Batch ID: 1133424	Prep Analyst: NDU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	4	170	400	642	x	mg/Kg	07/20/21	19:07	MK	458235
TPH as Motor Oil	SW8015B	4	640	2000	8800		mg/Kg	07/20/21	19:07	MK	458235
Pentacosane (S)	SW8015B	Acceptance Limits			0.000	D	%	07/20/21	19:07	MK	458235
NOTE: x-Diesel value the result of overlap of Oil range into Diesel range											



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-2.0	Lab Sample ID:	2107137-007A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	7/20/21	10:16:00AM
Prep Batch ID:	1133461	Prep Analyst:	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	07/20/21	19:39	BP	458218
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	19:39	BP	458218
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	19:39	BP	458218
TBA	SW8260B	1	12	50	ND		ug/Kg	07/20/21	19:39	BP	458218
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	19:39	BP	458218
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	19:39	BP	458218
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	19:39	BP	458218
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	19:39	BP	458218
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Tetrachloroethene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	19:39	BP	458218
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	19:39	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-2.0	Lab Sample ID:	2107137-007A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	7/20/21	10:16:00AM
Prep Batch ID:	1133461	Prep Analyst:	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	19:39	BP	458218
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/20/21	19:39	BP	458218
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	19:39	BP	458218
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	19:39	BP	458218
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	19:39	BP	458218
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	19:39	BP	458218
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	19:39	BP	458218
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	19:39	BP	458218
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	19:39	BP	458218
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	19:39	BP	458218
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	19:39	BP	458218
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	19:39	BP	458218
2-Butanone	SW8260B	1	2.3	10.0	ND		ug/Kg	07/20/21	19:39	BP	458218
(S) Dibromofluoromethane	SW8260B		59.8 - 148		73.5		%	07/20/21	19:39	BP	458218
(S) Toluene-d8	SW8260B		55.2 - 133		112		%	07/20/21	19:39	BP	458218
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		81.4		%	07/20/21	19:39	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-2.0	Lab Sample ID:	2107137-007A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 7/20/21 10:16:00AM
Prep Batch ID: 1133462	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	43	100	319	x	ug/Kg	07/20/21	19:39	BP	458218
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		51.6		%	07/20/21	19:39	BP	458218

NOTE: x – Does not match pattern of reference Gasoline standard. Reported value due to contribution from non-target heavy hydrocarbons in the C5-C12 gasoline quantitation range.



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-4.5	Lab Sample ID:	2107137-008A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 7/19/21 3:55:00PM
Prep Batch ID: 1133408	Prep Analyst: TNGU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/20/21	12:53	BJAY	458178



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-4.5	Lab Sample ID:	2107137-008A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	7/19/21	3:10:00PM
Prep Batch ID:	1133404	Prep Analyst:	TNGU	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:41	TMN	458191
Arsenic	SW6010B	1	0.15	1.30	7.05		mg/Kg	07/20/21	13:41	TMN	458191
Barium	SW6010B	1	0.055	5.00	57.5		mg/Kg	07/20/21	13:41	TMN	458191
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/20/21	13:41	TMN	458191
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/20/21	13:41	TMN	458191
Chromium	SW6010B	1	0.075	5.00	57.5		mg/Kg	07/20/21	13:41	TMN	458191
Cobalt	SW6010B	1	0.070	5.00	10.7		mg/Kg	07/20/21	13:41	TMN	458191
Copper	SW6010B	1	0.20	5.00	27.3		mg/Kg	07/20/21	13:41	TMN	458191
Lead	SW6010B	1	0.10	3.00	10.8		mg/Kg	07/20/21	13:41	TMN	458191
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:41	TMN	458191
Nickel	SW6010B	1	0.50	5.00	56.0		mg/Kg	07/20/21	13:41	TMN	458191
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/20/21	13:41	TMN	458191
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/20/21	13:41	TMN	458191
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/20/21	13:41	TMN	458191
Vanadium	SW6010B	1	0.10	5.00	45.6		mg/Kg	07/20/21	13:41	TMN	458191
Zinc	SW6010B	1	0.30	5.00	48.8		mg/Kg	07/20/21	13:41	TMN	458191



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	ES-2-4.5	Lab Sample ID:	2107137-008A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: WET/3010B	Prep Batch Date/Time: 8/10/21 11:59:00AM
Prep Batch ID: 1134092	Prep Analyst: TNGU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	1.27		mg/L	08/10/21	15:20	ERR	458826



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-4.5	Lab Sample ID:	2107137-008A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_PCB	Prep Batch Date/Time:	7/19/21	3:22:00PM
Prep Batch ID:	1133419	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	35.0	100	ND		ug/Kg	07/20/21	21:11	MK	458204
Aroclor1221	SW8082A	1	5.00	100	ND		ug/Kg	07/20/21	21:11	MK	458204
Aroclor1232	SW8082A	1	17.0	100	ND		ug/Kg	07/20/21	21:11	MK	458204
Aroclor1242	SW8082A	1	3.00	100	ND		ug/Kg	07/20/21	21:11	MK	458204
Aroclor1248	SW8082A	1	2.00	100	ND		ug/Kg	07/20/21	21:11	MK	458204
Aroclor1254	SW8082A	1	14.0	100	ND		ug/Kg	07/20/21	21:11	MK	458204
Aroclor1260	SW8082A	1	24.0	100	ND		ug/Kg	07/20/21	21:11	MK	458204
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		62.0		%	07/20/21	21:11	MK	458204
DCBP (S)	SW8082A		48 - 135		52.0		%	07/20/21	21:11	MK	458204



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-4.5	Lab Sample ID:	2107137-008A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_OCP	Prep Batch Date/Time:	7/19/21	10:06:00AM
Prep Batch ID:	1133411	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

alpha-BHC	SW8081B	20	2.5	40	ND		ug/Kg	07/20/21	5:56	LA	458158
gamma-BHC (Lindane)	SW8081B	20	3.2	40	ND		ug/Kg	07/20/21	5:56	LA	458158
beta-BHC	SW8081B	20	6.3	40	ND		ug/Kg	07/20/21	5:56	LA	458158
delta-BHC	SW8081B	20	3.1	40	ND		ug/Kg	07/20/21	5:56	LA	458158
Heptachlor	SW8081B	20	2.1	40	ND		ug/Kg	07/20/21	5:56	LA	458158
Aldrin	SW8081B	20	3.9	40	ND		ug/Kg	07/20/21	5:56	LA	458158
Heptachlor Epoxide	SW8081B	20	1.6	40	ND		ug/Kg	07/20/21	5:56	LA	458158
gamma-Chlordane	SW8081B	20	3.3	40	ND		ug/Kg	07/20/21	5:56	LA	458158
alpha-Chlordane	SW8081B	20	3.5	40	ND		ug/Kg	07/20/21	5:56	LA	458158
4,4'-DDE	SW8081B	20	3.9	40	ND		ug/Kg	07/20/21	5:56	LA	458158
Endosulfan I	SW8081B	20	3.7	40	ND		ug/Kg	07/20/21	5:56	LA	458158
Dieldrin	SW8081B	20	3.0	40	ND		ug/Kg	07/20/21	5:56	LA	458158
Endrin	SW8081B	20	3.8	40	ND		ug/Kg	07/20/21	5:56	LA	458158
4,4'-DDD	SW8081B	20	11	40	ND		ug/Kg	07/20/21	5:56	LA	458158
Endosulfan II	SW8081B	20	12	40	ND		ug/Kg	07/20/21	5:56	LA	458158
4,4'-DDT	SW8081B	20	2.6	40	ND		ug/Kg	07/20/21	5:56	LA	458158
Endrin Aldehyde	SW8081B	20	3.0	40	ND		ug/Kg	07/20/21	5:56	LA	458158
Methoxychlor	SW8081B	20	4.0	40	ND		ug/Kg	07/20/21	5:56	LA	458158
Endosulfan Sulfate	SW8081B	20	2.3	40	ND		ug/Kg	07/20/21	5:56	LA	458158
Endrin Ketone	SW8081B	20	1.9	40	ND		ug/Kg	07/20/21	5:56	LA	458158
Chlordane	SW8081B	20	42	400	ND		ug/Kg	07/20/21	5:56	LA	458158
Toxaphene	SW8081B	20	170	1000	ND		ug/Kg	07/20/21	5:56	LA	458158

Acceptance Limits

Tetrachloro-M-Xylene (S)	SW8081B	48 - 125	0.000	D	%	07/20/21	5:56	LA	458158
Decachlorobiphenyl (S)	SW8081B	38 - 135	0.000	D	%	07/20/21	5:56	LA	458158

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-4.5	Lab Sample ID:	2107137-008A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	7/19/21	10:33:00AM
Prep Batch ID:	1133392	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

N-Nitrosodimethylamine	SW8270C	20	13000	200000	ND		ug/Kg	07/20/21	23:05	MT	458182
Phenol	SW8270C	20	12200	80000	ND		ug/Kg	07/20/21	23:05	MT	458182
Bis(2-chloroethyl)ether	SW8270C	20	3690	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
2-Chlorophenol	SW8270C	20	13200	80000	ND		ug/Kg	07/20/21	23:05	MT	458182
1,3-Dichlorobenzene	SW8270C	20	3650	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
1,4-Dichlorobenzene	SW8270C	20	4060	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Benzyl Alcohol	SW8270C	20	5680	80000	ND		ug/Kg	07/20/21	23:05	MT	458182
1,2-Dichlorobenzene	SW8270C	20	3750	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
2-Methylphenol (o-Cresol)	SW8270C	20	8150	80000	ND		ug/Kg	07/20/21	23:05	MT	458182
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	20	18900	200000	ND		ug/Kg	07/20/21	23:05	MT	458182
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	20	8700	80000	ND		ug/Kg	07/20/21	23:05	MT	458182
N-nitroso-di-n-propylamine	SW8270C	20	3650	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Hexachloroethane	SW8270C	20	4740	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Nitrobenzene	SW8270C	20	3570	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Isophorone	SW8270C	20	3380	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
2-Nitrophenol	SW8270C	20	7050	80000	ND		ug/Kg	07/20/21	23:05	MT	458182
2,4-Dimethylphenol	SW8270C	20	6340	80000	ND		ug/Kg	07/20/21	23:05	MT	458182
Benzoic Acid	SW8270C	20	11600	80000	ND		ug/Kg	07/20/21	23:05	MT	458182
Bis(2-Chloroethoxy)methane	SW8270C	20	2720	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Bis(2-chloroisopropyl)ether	SW8270C	20	3500	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
2,4-Dichlorophenol	SW8270C	20	10900	80000	ND		ug/Kg	07/20/21	23:05	MT	458182
1,2,4-Trichlorobenzene	SW8270C	20	3290	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Naphthalene	SW8270C	20	2940	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
2,6-Dichlorophenol	SW8270C	20	9940	80000	ND		ug/Kg	07/20/21	23:05	MT	458182
Hexachloro-1,3-butadiene	SW8270C	20	2320	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
4-Chloro-3-methylphenol	SW8270C	20	9390	80000	ND		ug/Kg	07/20/21	23:05	MT	458182
2-Methylnaphthalene	SW8270C	20	2900	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
1-Methylnaphthalene	SW8270C	20	3390	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Hexachlorocyclopentadiene	SW8270C	20	3600	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
2,4,6-Trichlorophenol	SW8270C	20	9990	80000	ND		ug/Kg	07/20/21	23:05	MT	458182
2,4,5-Trichlorophenol	SW8270C	20	9280	80000	ND		ug/Kg	07/20/21	23:05	MT	458182
2-Chloronaphthalene	SW8270C	20	2950	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
1,4-Dinitrobenzene	SW8270C	20	2870	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Dimethyl phthalate	SW8270C	20	3930	200000	ND		ug/Kg	07/20/21	23:05	MT	458182
1,3-Dinitrobenzene	SW8270C	20	2890	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Acenaphthylene	SW8270C	20	2300	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
2,6-Dinitrotoluene	SW8270C	20	3140	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
1,2-Dinitrobenzene	SW8270C	20	4380	40000	ND		ug/Kg	07/20/21	23:05	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-4.5	Lab Sample ID:	2107137-008A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	7/19/21	10:33:00AM
Prep Batch ID:	1133392	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Acenaphthene	SW8270C	20	2960	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
2,4-Dinitrophenol	SW8270C	20	21500	200000	ND		ug/Kg	07/20/21	23:05	MT	458182
4-Nitrophenol	SW8270C	20	15200	200000	ND		ug/Kg	07/20/21	23:05	MT	458182
Dibenzofuran	SW8270C	20	3120	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
2,4-Dinitrotoluene	SW8270C	20	3360	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
2,3,5,6-Tetrachlorophenol	SW8270C	20	7660	80000	ND		ug/Kg	07/20/21	23:05	MT	458182
2,3,4,6-Tetrachlorophenol	SW8270C	20	8740	80000	ND		ug/Kg	07/20/21	23:05	MT	458182
Diethylphthalate	SW8270C	20	3790	200000	ND		ug/Kg	07/20/21	23:05	MT	458182
Fluorene	SW8270C	20	2860	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
4-Chlorophenyl-phenylether	SW8270C	20	2590	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
4,6-Dinitro-2-methylphenol	SW8270C	20	3720	80000	ND		ug/Kg	07/20/21	23:05	MT	458182
Diphenylamine	SW8270C	20	3620	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Azobenzene	SW8270C	20	31600	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
4-Bromophenyl-phenylether	SW8270C	20	2290	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Hexachlorobenzene	SW8270C	20	2400	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Pentachlorophenol	SW8270C	20	6940	80000	ND		ug/Kg	07/20/21	23:05	MT	458182
Phenanthrene	SW8270C	20	2590	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Anthracene	SW8270C	20	2480	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Carbazole	SW8270C	20	2980	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Di-n-butylphthalate	SW8270C	20	3750	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Fluoranthene	SW8270C	20	2780	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Benzidine	SW8270C	20	40800	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Pyrene	SW8270C	20	3320	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Butylbenzylphthalate	SW8270C	20	5840	200000	ND		ug/Kg	07/20/21	23:05	MT	458182
Benzo(a)anthracene	SW8270C	20	2720	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
3,3-Dichlorobenzidine	SW8270C	20	32700	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Chrysene	SW8270C	20	4210	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Bis(2-Ethylhexyl)phthalate	SW8270C	20	4260	200000	ND		ug/Kg	07/20/21	23:05	MT	458182
Di-n-Octylphthalate	SW8270C	20	3410	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Benzo(b)fluoranthene	SW8270C	20	3340	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
benzo(k)fluoranthene	SW8270C	20	2270	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Benzo(a)pyrene	SW8270C	20	2720	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Indeno(1,2,3-c,d)pyrene	SW8270C	20	3830	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Dibenzo(a,h)anthracene	SW8270C	20	3530	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Benzo(g,h,i)perylene	SW8270C	20	4630	40000	ND		ug/Kg	07/20/21	23:05	MT	458182
Pyridine	SW8270C	20	12200	200000	ND		ug/Kg	07/20/21	23:05	MT	458182
Acceptance Limits											
2-Fluorophenol (S)	SW8270C		25 - 121	0.000	D	%	07/20/21	23:05	MT		458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-4.5	Lab Sample ID:	2107137-008A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Phenol-d6 (S)	SW8270C	24 - 113	0.000	D	%	07/20/21	23:05	MT	458182
2,4,6-Tribromophenol (S)	SW8270C	19 - 122	0.000	D	%	07/20/21	23:05	MT	458182
2-Fluorobiphenyl (S)	SW8270C	45 - 143	0.000	D	%	07/20/21	23:05	MT	458182
Nitrobenzene-d5 (S)	SW8270C	23 - 120	0.000	D	%	07/20/21	23:05	MT	458182
p-Terphenyl-d14 (S)	SW8270C	18 - 137	0.000	D	%	07/20/21	23:05	MT	458182

NOTE: In an effort to minimize matrix interference, the solvent final volume to sample mass ratio had to be increased resulting in elevated reporting limits.
The sample was further diluted due to the nature of the extract (dark and viscous).



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-4.5	Lab Sample ID:	2107137-008A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 7/20/21 10:19:00AM
Prep Batch ID: 1133424	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	2	6.8	16	21.9	x	mg/Kg	07/20/21	19:32	MK	458235
TPH as Motor Oil	SW8015B	2	25	80	684		mg/Kg	07/20/21	19:32	MK	458235
Acceptance Limits											
Pentacosane (S)	SW8015B		45 - 130		52.1		%	07/20/21	19:32	MK	458235

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-4.5	Lab Sample ID:	2107137-008A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 7/20/21 3:11:00PM
Prep Batch ID: 1133458	Prep Analyst: JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	07/20/21	20:39	BP	458215
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	20:39	BP	458215
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	20:39	BP	458215
TBA	SW8260B	1	12	50	ND		ug/Kg	07/20/21	20:39	BP	458215
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	20:39	BP	458215
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	20:39	BP	458215
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	20:39	BP	458215
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	20:39	BP	458215
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Tetrachloroethene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	20:39	BP	458215
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	20:39	BP	458215



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-2-4.5	Lab Sample ID:	2107137-008A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	7/20/21	3:11:00PM
Prep Batch ID:	1133458	Prep Analyst:	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	20:39	BP	458215
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/20/21	20:39	BP	458215
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:39	BP	458215
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	20:39	BP	458215
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	20:39	BP	458215
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:39	BP	458215
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	20:39	BP	458215
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:39	BP	458215
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	20:39	BP	458215
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	20:39	BP	458215
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	20:39	BP	458215
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	20:39	BP	458215
2-Butanone	SW8260B	1	2.3	10.0	ND		ug/Kg	07/20/21	20:39	BP	458215
(S) Dibromofluoromethane	SW8260B		59.8 - 148		70.0		%	07/20/21	20:39	BP	458215
(S) Toluene-d8	SW8260B		55.2 - 133		114		%	07/20/21	20:39	BP	458215
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		98.6		%	07/20/21	20:39	BP	458215



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	ES-2-4.5	Lab Sample ID:	2107137-008A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 7/20/21	3:11:00PM
Prep Batch ID: 1133459	Prep Analyst:	JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	43	100	ND		ug/Kg	07/20/21	20:39	bp	458215
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		51.7		%	07/20/21	20:39	bp	458215



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	ES-3-1.5	Lab Sample ID:	2107137-009A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 7/19/21 3:55:00PM
Prep Batch ID: 1133408	Prep Analyst: TNGU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/20/21	12:55	BJAY	458178



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-1.5	Lab Sample ID:	2107137-009A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	7/19/21	3:10:00PM
Prep Batch ID:	1133404	Prep Analyst:	TNGU	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:43	TMN	458191
Arsenic	SW6010B	1	0.15	1.30	4.74		mg/Kg	07/20/21	13:43	TMN	458191
Barium	SW6010B	1	0.055	5.00	97.0		mg/Kg	07/20/21	13:43	TMN	458191
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/20/21	13:43	TMN	458191
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/20/21	13:43	TMN	458191
Chromium	SW6010B	1	0.075	5.00	58.5		mg/Kg	07/20/21	13:43	TMN	458191
Cobalt	SW6010B	1	0.070	5.00	11.1		mg/Kg	07/20/21	13:43	TMN	458191
Copper	SW6010B	1	0.20	5.00	25.0		mg/Kg	07/20/21	13:43	TMN	458191
Lead	SW6010B	1	0.10	3.00	20.8		mg/Kg	07/20/21	13:43	TMN	458191
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:43	TMN	458191
Nickel	SW6010B	1	0.50	5.00	69.5		mg/Kg	07/20/21	13:43	TMN	458191
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/20/21	13:43	TMN	458191
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/20/21	13:43	TMN	458191
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/20/21	13:43	TMN	458191
Vanadium	SW6010B	1	0.10	5.00	42.9		mg/Kg	07/20/21	13:43	TMN	458191
Zinc	SW6010B	1	0.30	5.00	45.2		mg/Kg	07/20/21	13:43	TMN	458191



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	ES-3-1.5	Lab Sample ID:	2107137-009A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: WET/3010B	Prep Batch Date/Time: 8/10/21 11:59:00AM
Prep Batch ID: 1134092	Prep Analyst: TNGU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	0.735		mg/L	08/10/21	15:25	ERR	458826



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-1.5	Lab Sample ID:	2107137-009A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_PCB	Prep Batch Date/Time: 7/19/21 3:22:00PM
Prep Batch ID: 1133419	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	35.0	100	ND		ug/Kg	07/20/21	21:25	MK	458204
Aroclor1221	SW8082A	1	5.00	100	ND		ug/Kg	07/20/21	21:25	MK	458204
Aroclor1232	SW8082A	1	17.0	100	ND		ug/Kg	07/20/21	21:25	MK	458204
Aroclor1242	SW8082A	1	3.00	100	ND		ug/Kg	07/20/21	21:25	MK	458204
Aroclor1248	SW8082A	1	2.00	100	ND		ug/Kg	07/20/21	21:25	MK	458204
Aroclor1254	SW8082A	1	14.0	100	ND		ug/Kg	07/20/21	21:25	MK	458204
Aroclor1260	SW8082A	1	24.0	100	ND		ug/Kg	07/20/21	21:25	MK	458204
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		71.0		%	07/20/21	21:25	MK	458204
DCBP (S)	SW8082A		48 - 135		59.0		%	07/20/21	21:25	MK	458204



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-1.5	Lab Sample ID:	2107137-009A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_OCP	Prep Batch Date/Time:	7/19/21	10:06:00AM
Prep Batch ID:	1133411	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

alpha-BHC	SW8081B	10	1.3	20	ND		ug/Kg	07/20/21	6:10	LA	458158
gamma-BHC (Lindane)	SW8081B	10	1.6	20	ND		ug/Kg	07/20/21	6:10	LA	458158
beta-BHC	SW8081B	10	3.2	20	ND		ug/Kg	07/20/21	6:10	LA	458158
delta-BHC	SW8081B	10	1.6	20	ND		ug/Kg	07/20/21	6:10	LA	458158
Heptachlor	SW8081B	10	1.1	20	ND		ug/Kg	07/20/21	6:10	LA	458158
Aldrin	SW8081B	10	2.0	20	ND		ug/Kg	07/20/21	6:10	LA	458158
Heptachlor Epoxide	SW8081B	10	0.78	20	ND		ug/Kg	07/20/21	6:10	LA	458158
gamma-Chlordane	SW8081B	10	1.6	20	ND		ug/Kg	07/20/21	6:10	LA	458158
alpha-Chlordane	SW8081B	10	1.7	20	ND		ug/Kg	07/20/21	6:10	LA	458158
4,4'-DDE	SW8081B	10	1.9	20	2.07	J	ug/Kg	07/20/21	6:10	LA	458158
Endosulfan I	SW8081B	10	1.8	20	ND		ug/Kg	07/20/21	6:10	LA	458158
Dieldrin	SW8081B	10	1.5	20	ND		ug/Kg	07/20/21	6:10	LA	458158
Endrin	SW8081B	10	1.9	20	ND		ug/Kg	07/20/21	6:10	LA	458158
4,4'-DDD	SW8081B	10	5.7	20	ND		ug/Kg	07/20/21	6:10	LA	458158
Endosulfan II	SW8081B	10	5.8	20	ND		ug/Kg	07/20/21	6:10	LA	458158
4,4'-DDT	SW8081B	10	1.3	20	ND		ug/Kg	07/20/21	6:10	LA	458158
Endrin Aldehyde	SW8081B	10	1.5	20	ND		ug/Kg	07/20/21	6:10	LA	458158
Methoxychlor	SW8081B	10	2.0	20	ND		ug/Kg	07/20/21	6:10	LA	458158
Endosulfan Sulfate	SW8081B	10	1.2	20	ND		ug/Kg	07/20/21	6:10	LA	458158
Endrin Ketone	SW8081B	10	0.94	20	ND		ug/Kg	07/20/21	6:10	LA	458158
Chlordane	SW8081B	10	21	200	ND		ug/Kg	07/20/21	6:10	LA	458158
Toxaphene	SW8081B	10	85	500	ND		ug/Kg	07/20/21	6:10	LA	458158
Acceptance Limits											
Tetrachloro-M-Xylene (S)	SW8081B	48 - 125		62.3			%	07/20/21	6:10	LA	458158
Decachlorobiphenyl (S)	SW8081B	38 - 135		45.5			%	07/20/21	6:10	LA	458158

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-1.5	Lab Sample ID:	2107137-009A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	7/19/21	10:33:00AM
Prep Batch ID:	1133392	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

N-Nitrosodimethylamine	SW8270C	10	469	7200	ND		ug/Kg	07/20/21	23:35	MT	458182
Phenol	SW8270C	10	438	2880	ND		ug/Kg	07/20/21	23:35	MT	458182
Bis(2-chloroethyl)ether	SW8270C	10	133	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
2-Chlorophenol	SW8270C	10	477	2880	ND		ug/Kg	07/20/21	23:35	MT	458182
1,3-Dichlorobenzene	SW8270C	10	131	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
1,4-Dichlorobenzene	SW8270C	10	146	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Benzyl Alcohol	SW8270C	10	205	2880	ND		ug/Kg	07/20/21	23:35	MT	458182
1,2-Dichlorobenzene	SW8270C	10	135	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
2-Methylphenol (o-Cresol)	SW8270C	10	293	2880	ND		ug/Kg	07/20/21	23:35	MT	458182
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	10	680	7200	ND		ug/Kg	07/20/21	23:35	MT	458182
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	10	313	2880	ND		ug/Kg	07/20/21	23:35	MT	458182
N-nitroso-di-n-propylamine	SW8270C	10	132	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Hexachloroethane	SW8270C	10	171	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Nitrobenzene	SW8270C	10	128	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Isophorone	SW8270C	10	122	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
2-Nitrophenol	SW8270C	10	254	2880	ND		ug/Kg	07/20/21	23:35	MT	458182
2,4-Dimethylphenol	SW8270C	10	228	2880	ND		ug/Kg	07/20/21	23:35	MT	458182
Benzoic Acid	SW8270C	10	417	2880	ND		ug/Kg	07/20/21	23:35	MT	458182
Bis(2-Chloroethoxy)methane	SW8270C	10	97.9	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Bis(2-chloroisopropyl)ether	SW8270C	10	126	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
2,4-Dichlorophenol	SW8270C	10	393	2880	ND		ug/Kg	07/20/21	23:35	MT	458182
1,2,4-Trichlorobenzene	SW8270C	10	118	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Naphthalene	SW8270C	10	106	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
2,6-Dichlorophenol	SW8270C	10	358	2880	ND		ug/Kg	07/20/21	23:35	MT	458182
Hexachloro-1,3-butadiene	SW8270C	10	83.4	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
4-Chloro-3-methylphenol	SW8270C	10	338	2880	ND		ug/Kg	07/20/21	23:35	MT	458182
2-Methylnaphthalene	SW8270C	10	104	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
1-Methylnaphthalene	SW8270C	10	122	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Hexachlorocyclopentadiene	SW8270C	10	129	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
2,4,6-Trichlorophenol	SW8270C	10	359	2880	ND		ug/Kg	07/20/21	23:35	MT	458182
2,4,5-Trichlorophenol	SW8270C	10	334	2880	ND		ug/Kg	07/20/21	23:35	MT	458182
2-Chloronaphthalene	SW8270C	10	106	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
1,4-Dinitrobenzene	SW8270C	10	103	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Dimethyl phthalate	SW8270C	10	142	7200	ND		ug/Kg	07/20/21	23:35	MT	458182
1,3-Dinitrobenzene	SW8270C	10	104	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Acenaphthylene	SW8270C	10	82.8	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
2,6-Dinitrotoluene	SW8270C	10	113	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
1,2-Dinitrobenzene	SW8270C	10	158	1440	ND		ug/Kg	07/20/21	23:35	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-1.5	Lab Sample ID:	2107137-009A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	7/19/21	10:33:00AM
Prep Batch ID:	1133392	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Acenaphthene	SW8270C	10	107	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
2,4-Dinitrophenol	SW8270C	10	776	7200	ND		ug/Kg	07/20/21	23:35	MT	458182
4-Nitrophenol	SW8270C	10	547	7200	ND		ug/Kg	07/20/21	23:35	MT	458182
Dibenzofuran	SW8270C	10	112	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
2,4-Dinitrotoluene	SW8270C	10	121	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
2,3,5,6-Tetrachlorophenol	SW8270C	10	276	2880	ND		ug/Kg	07/20/21	23:35	MT	458182
2,3,4,6-Tetrachlorophenol	SW8270C	10	315	2880	ND		ug/Kg	07/20/21	23:35	MT	458182
Diethylphthalate	SW8270C	10	136	7200	ND		ug/Kg	07/20/21	23:35	MT	458182
Fluorene	SW8270C	10	103	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
4-Chlorophenyl-phenylether	SW8270C	10	93.2	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
4,6-Dinitro-2-methylphenol	SW8270C	10	134	2880	ND		ug/Kg	07/20/21	23:35	MT	458182
Diphenylamine	SW8270C	10	130	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Azobenzene	SW8270C	10	1140	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
4-Bromophenyl-phenylether	SW8270C	10	82.3	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Hexachlorobenzene	SW8270C	10	86.6	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Pentachlorophenol	SW8270C	10	250	2880	ND		ug/Kg	07/20/21	23:35	MT	458182
Phenanthrene	SW8270C	10	93.2	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Anthracene	SW8270C	10	89.1	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Carbazole	SW8270C	10	107	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Di-n-butylphthalate	SW8270C	10	135	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Fluoranthene	SW8270C	10	100	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Benzidine	SW8270C	10	1470	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Pyrene	SW8270C	10	120	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Butylbenzylphthalate	SW8270C	10	210	7200	ND		ug/Kg	07/20/21	23:35	MT	458182
Benzo(a)anthracene	SW8270C	10	98.0	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
3,3-Dichlorobenzidine	SW8270C	10	1180	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Chrysene	SW8270C	10	152	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Bis(2-Ethylhexyl)phthalate	SW8270C	10	153	7200	ND		ug/Kg	07/20/21	23:35	MT	458182
Di-n-Octylphthalate	SW8270C	10	123	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Benzo(b)fluoranthene	SW8270C	10	120	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
benzo(k)fluoranthene	SW8270C	10	81.6	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Benzo(a)pyrene	SW8270C	10	98.0	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Indeno(1,2,3-c,d)pyrene	SW8270C	10	138	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Dibenzo(a,h)anthracene	SW8270C	10	127	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Benzo(g,h,i)perylene	SW8270C	10	167	1440	ND		ug/Kg	07/20/21	23:35	MT	458182
Pyridine	SW8270C	10	438	7200	ND		ug/Kg	07/20/21	23:35	MT	458182

Acceptance Limits

2-Fluorophenol (S)	SW8270C	25 - 121	54.5	%	07/20/21	23:35	MT	458182
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SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-1.5	Lab Sample ID:	2107137-009A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Phenol-d6 (S)	SW8270C	24 - 113	75.7		%	07/20/21	23:35	MT	458182
2,4,6-Tribromophenol (S)	SW8270C	19 - 122	6.27	S	%	07/20/21	23:35	MT	458182
2-Fluorobiphenyl (S)	SW8270C	45 - 143	81.6		%	07/20/21	23:35	MT	458182
Nitrobenzene-d5 (S)	SW8270C	23 - 120	64.2		%	07/20/21	23:35	MT	458182
p-Terphenyl-d14 (S)	SW8270C	18 - 137	88.8		%	07/20/21	23:35	MT	458182

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract). S-surrogate outside of control limits due to matrix interference.



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-1.5	Lab Sample ID:	2107137-009A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 7/20/21 10:19:00AM
Prep Batch ID: 1133424	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	2	6.8	16	ND		mg/Kg	07/20/21	19:57	SN	458235
TPH as Motor Oil	SW8015B	2	25	80	138		mg/Kg	07/20/21	19:57	SN	458235
Pentacosane (S)	SW8015B	Acceptance Limits 45 - 130			59.7		%	07/20/21	19:57	SN	458235



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-1.5	Lab Sample ID:	2107137-009A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	7/20/21	3:11:00PM
Prep Batch ID:	1133458	Prep Analyst:	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	07/20/21	21:08	BP	458215
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	21:08	BP	458215
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	21:08	BP	458215
TBA	SW8260B	1	12	50	ND		ug/Kg	07/20/21	21:08	BP	458215
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	21:08	BP	458215
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	21:08	BP	458215
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	21:08	BP	458215
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	21:08	BP	458215
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Tetrachloroethene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	21:08	BP	458215
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	21:08	BP	458215



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-1.5	Lab Sample ID:	2107137-009A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	7/20/21	3:11:00PM
Prep Batch ID:	1133458	Prep Analyst:	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	21:08	BP	458215
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/20/21	21:08	BP	458215
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:08	BP	458215
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	21:08	BP	458215
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	21:08	BP	458215
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:08	BP	458215
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	21:08	BP	458215
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:08	BP	458215
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	21:08	BP	458215
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	21:08	BP	458215
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	21:08	BP	458215
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	21:08	BP	458215
2-Butanone	SW8260B	1	2.3	10.0	14.4		ug/Kg	07/20/21	21:08	BP	458215
(S) Dibromofluoromethane	SW8260B		59.8 - 148		56.6	S	%	07/20/21	21:08	BP	458215
(S) Toluene-d8	SW8260B		55.2 - 133		105		%	07/20/21	21:08	BP	458215
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		105		%	07/20/21	21:08	BP	458215

NOTE: S-Surrogate out of control limits. Sample re-analyzed with similar results indicating a matrix effect.



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-1.5	Lab Sample ID:	2107137-009A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 7/20/21	3:11:00PM
Prep Batch ID: 1133459	Prep Analyst: JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	43	100	1000	x	ug/Kg	07/20/21	21:08	bp	458215
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		71.2		%	07/20/21	21:08	bp	458215

NOTE: x – Does not match pattern of reference Gasoline standard. Result is elevated due to contribution from heavy end hydrocarbons .



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	ES-3-3.0	Lab Sample ID:	2107137-010A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 7/19/21 3:55:00PM
Prep Batch ID: 1133408	Prep Analyst: TNGU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/20/21	12:58	BJAY	458178



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-3.0	Lab Sample ID:	2107137-010A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	7/19/21	3:10:00PM
Prep Batch ID:	1133404	Prep Analyst:	TNGU	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:45	TMN	458191
Arsenic	SW6010B	1	0.15	1.30	4.53		mg/Kg	07/20/21	13:45	TMN	458191
Barium	SW6010B	1	0.055	5.00	108		mg/Kg	07/20/21	13:45	TMN	458191
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/20/21	13:45	TMN	458191
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/20/21	13:45	TMN	458191
Chromium	SW6010B	1	0.075	5.00	71.5		mg/Kg	07/20/21	13:45	TMN	458191
Cobalt	SW6010B	1	0.070	5.00	12.1		mg/Kg	07/20/21	13:45	TMN	458191
Copper	SW6010B	1	0.20	5.00	23.8		mg/Kg	07/20/21	13:45	TMN	458191
Lead	SW6010B	1	0.10	3.00	15.8		mg/Kg	07/20/21	13:45	TMN	458191
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:45	TMN	458191
Nickel	SW6010B	1	0.50	5.00	83.5		mg/Kg	07/20/21	13:45	TMN	458191
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/20/21	13:45	TMN	458191
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/20/21	13:45	TMN	458191
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/20/21	13:45	TMN	458191
Vanadium	SW6010B	1	0.10	5.00	44.9		mg/Kg	07/20/21	13:45	TMN	458191
Zinc	SW6010B	1	0.30	5.00	40.8		mg/Kg	07/20/21	13:45	TMN	458191



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	ES-3-3.0	Lab Sample ID:	2107137-010A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: WET/3010B	Prep Batch Date/Time: 8/10/21 11:59:00AM
Prep Batch ID: 1134092	Prep Analyst: TNGU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	0.766		mg/L	08/10/21	15:30	ERR	458826



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-3.0	Lab Sample ID:	2107137-010A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_PCB	Prep Batch Date/Time: 7/19/21 3:22:00PM
Prep Batch ID: 1133419	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	35.0	100	ND		ug/Kg	07/20/21	21:39	MK	458204
Aroclor1221	SW8082A	1	5.00	100	ND		ug/Kg	07/20/21	21:39	MK	458204
Aroclor1232	SW8082A	1	17.0	100	ND		ug/Kg	07/20/21	21:39	MK	458204
Aroclor1242	SW8082A	1	3.00	100	ND		ug/Kg	07/20/21	21:39	MK	458204
Aroclor1248	SW8082A	1	2.00	100	ND		ug/Kg	07/20/21	21:39	MK	458204
Aroclor1254	SW8082A	1	14.0	100	ND		ug/Kg	07/20/21	21:39	MK	458204
Aroclor1260	SW8082A	1	24.0	100	ND		ug/Kg	07/20/21	21:39	MK	458204
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		81.0		%	07/20/21	21:39	MK	458204
DCBP (S)	SW8082A		48 - 135		64.0		%	07/20/21	21:39	MK	458204



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-3.0	Lab Sample ID:	2107137-010A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_OCP	Prep Batch Date/Time:	7/19/21	10:06:00AM
Prep Batch ID:	1133411	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

alpha-BHC	SW8081B	10	1.3	20	ND		ug/Kg	07/20/21	6:23	LA	458158
gamma-BHC (Lindane)	SW8081B	10	1.6	20	ND		ug/Kg	07/20/21	6:23	LA	458158
beta-BHC	SW8081B	10	3.2	20	ND		ug/Kg	07/20/21	6:23	LA	458158
delta-BHC	SW8081B	10	1.6	20	ND		ug/Kg	07/20/21	6:23	LA	458158
Heptachlor	SW8081B	10	1.1	20	ND		ug/Kg	07/20/21	6:23	LA	458158
Aldrin	SW8081B	10	2.0	20	ND		ug/Kg	07/20/21	6:23	LA	458158
Heptachlor Epoxide	SW8081B	10	0.78	20	ND		ug/Kg	07/20/21	6:23	LA	458158
gamma-Chlordane	SW8081B	10	1.6	20	ND		ug/Kg	07/20/21	6:23	LA	458158
alpha-Chlordane	SW8081B	10	1.7	20	ND		ug/Kg	07/20/21	6:23	LA	458158
4,4'-DDE	SW8081B	10	1.9	20	2.39	J	ug/Kg	07/20/21	6:23	LA	458158
Endosulfan I	SW8081B	10	1.8	20	ND		ug/Kg	07/20/21	6:23	LA	458158
Dieldrin	SW8081B	10	1.5	20	2.41	J	ug/Kg	07/20/21	6:23	LA	458158
Endrin	SW8081B	10	1.9	20	ND		ug/Kg	07/20/21	6:23	LA	458158
4,4'-DDD	SW8081B	10	5.7	20	ND		ug/Kg	07/20/21	6:23	LA	458158
Endosulfan II	SW8081B	10	5.8	20	ND		ug/Kg	07/20/21	6:23	LA	458158
4,4'-DDT	SW8081B	10	1.3	20	ND		ug/Kg	07/20/21	6:23	LA	458158
Endrin Aldehyde	SW8081B	10	1.5	20	ND		ug/Kg	07/20/21	6:23	LA	458158
Methoxychlor	SW8081B	10	2.0	20	ND		ug/Kg	07/20/21	6:23	LA	458158
Endosulfan Sulfate	SW8081B	10	1.2	20	ND		ug/Kg	07/20/21	6:23	LA	458158
Endrin Ketone	SW8081B	10	0.94	20	ND		ug/Kg	07/20/21	6:23	LA	458158
Chlordane	SW8081B	10	21	200	ND		ug/Kg	07/20/21	6:23	LA	458158
Toxaphene	SW8081B	10	85	500	ND		ug/Kg	07/20/21	6:23	LA	458158
Acceptance Limits											
Tetrachloro-M-Xylene (S)	SW8081B	48 - 125		70.1			%	07/20/21	6:23	LA	458158
Decachlorobiphenyl (S)	SW8081B	38 - 135		52.2			%	07/20/21	6:23	LA	458158

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-3.0	Lab Sample ID:	2107137-010A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	7/19/21	10:33:00AM
Prep Batch ID:	1133392	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

N-Nitrosodimethylamine	SW8270C	5	234	3600	ND		ug/Kg	07/21/21	0:05	MT	458182
Phenol	SW8270C	5	219	1440	ND		ug/Kg	07/21/21	0:05	MT	458182
Bis(2-chloroethyl)ether	SW8270C	5	66.5	720	ND		ug/Kg	07/21/21	0:05	MT	458182
2-Chlorophenol	SW8270C	5	238	1440	ND		ug/Kg	07/21/21	0:05	MT	458182
1,3-Dichlorobenzene	SW8270C	5	65.7	720	ND		ug/Kg	07/21/21	0:05	MT	458182
1,4-Dichlorobenzene	SW8270C	5	73.1	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Benzyl Alcohol	SW8270C	5	102	1440	ND		ug/Kg	07/21/21	0:05	MT	458182
1,2-Dichlorobenzene	SW8270C	5	67.5	720	ND		ug/Kg	07/21/21	0:05	MT	458182
2-Methylphenol (o-Cresol)	SW8270C	5	147	1440	ND		ug/Kg	07/21/21	0:05	MT	458182
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	5	340	3600	ND		ug/Kg	07/21/21	0:05	MT	458182
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	5	157	1440	ND		ug/Kg	07/21/21	0:05	MT	458182
N-nitroso-di-n-propylamine	SW8270C	5	65.7	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Hexachloroethane	SW8270C	5	85.3	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Nitrobenzene	SW8270C	5	64.2	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Isophorone	SW8270C	5	60.9	720	ND		ug/Kg	07/21/21	0:05	MT	458182
2-Nitrophenol	SW8270C	5	127	1440	ND		ug/Kg	07/21/21	0:05	MT	458182
2,4-Dimethylphenol	SW8270C	5	114	1440	ND		ug/Kg	07/21/21	0:05	MT	458182
Benzoic Acid	SW8270C	5	209	1440	ND		ug/Kg	07/21/21	0:05	MT	458182
Bis(2-Chloroethoxy)methane	SW8270C	5	49.0	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Bis(2-chloroisopropyl)ether	SW8270C	5	63.0	720	ND		ug/Kg	07/21/21	0:05	MT	458182
2,4-Dichlorophenol	SW8270C	5	196	1440	ND		ug/Kg	07/21/21	0:05	MT	458182
1,2,4-Trichlorobenzene	SW8270C	5	59.2	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Naphthalene	SW8270C	5	52.9	720	ND		ug/Kg	07/21/21	0:05	MT	458182
2,6-Dichlorophenol	SW8270C	5	179	1440	ND		ug/Kg	07/21/21	0:05	MT	458182
Hexachloro-1,3-butadiene	SW8270C	5	41.7	720	ND		ug/Kg	07/21/21	0:05	MT	458182
4-Chloro-3-methylphenol	SW8270C	5	169	1440	ND		ug/Kg	07/21/21	0:05	MT	458182
2-Methylnaphthalene	SW8270C	5	52.2	720	ND		ug/Kg	07/21/21	0:05	MT	458182
1-Methylnaphthalene	SW8270C	5	60.9	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Hexachlorocyclopentadiene	SW8270C	5	64.7	720	ND		ug/Kg	07/21/21	0:05	MT	458182
2,4,6-Trichlorophenol	SW8270C	5	180	1440	ND		ug/Kg	07/21/21	0:05	MT	458182
2,4,5-Trichlorophenol	SW8270C	5	167	1440	ND		ug/Kg	07/21/21	0:05	MT	458182
2-Chloronaphthalene	SW8270C	5	53.0	720	ND		ug/Kg	07/21/21	0:05	MT	458182
1,4-Dinitrobenzene	SW8270C	5	51.6	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Dimethyl phthalate	SW8270C	5	70.8	3600	ND		ug/Kg	07/21/21	0:05	MT	458182
1,3-Dinitrobenzene	SW8270C	5	52.0	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Acenaphthylene	SW8270C	5	41.4	720	ND		ug/Kg	07/21/21	0:05	MT	458182
2,6-Dinitrotoluene	SW8270C	5	56.6	720	ND		ug/Kg	07/21/21	0:05	MT	458182
1,2-Dinitrobenzene	SW8270C	5	78.8	720	ND		ug/Kg	07/21/21	0:05	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-3.0	Lab Sample ID:	2107137-010A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Acenaphthene	SW8270C	5	53.3	720	ND		ug/Kg	07/21/21	0:05	MT	458182
2,4-Dinitrophenol	SW8270C	5	388	3600	ND		ug/Kg	07/21/21	0:05	MT	458182
4-Nitrophenol	SW8270C	5	274	3600	ND		ug/Kg	07/21/21	0:05	MT	458182
Dibenzofuran	SW8270C	5	56.1	720	ND		ug/Kg	07/21/21	0:05	MT	458182
2,4-Dinitrotoluene	SW8270C	5	60.4	720	ND		ug/Kg	07/21/21	0:05	MT	458182
2,3,5,6-Tetrachlorophenol	SW8270C	5	138	1440	ND		ug/Kg	07/21/21	0:05	MT	458182
2,3,4,6-Tetrachlorophenol	SW8270C	5	157	1440	ND		ug/Kg	07/21/21	0:05	MT	458182
Diethylphthalate	SW8270C	5	68.1	3600	ND		ug/Kg	07/21/21	0:05	MT	458182
Fluorene	SW8270C	5	51.5	720	ND		ug/Kg	07/21/21	0:05	MT	458182
4-Chlorophenyl-phenylether	SW8270C	5	46.6	720	ND		ug/Kg	07/21/21	0:05	MT	458182
4,6-Dinitro-2-methylphenol	SW8270C	5	66.9	1440	ND		ug/Kg	07/21/21	0:05	MT	458182
Diphenylamine	SW8270C	5	65.2	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Azobenzene	SW8270C	5	569	720	ND		ug/Kg	07/21/21	0:05	MT	458182
4-Bromophenyl-phenylether	SW8270C	5	41.1	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Hexachlorobenzene	SW8270C	5	43.3	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Pentachlorophenol	SW8270C	5	125	1440	ND		ug/Kg	07/21/21	0:05	MT	458182
Phenanthrene	SW8270C	5	46.6	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Anthracene	SW8270C	5	44.6	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Carbazole	SW8270C	5	53.7	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Di-n-butylphthalate	SW8270C	5	67.5	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Fluoranthene	SW8270C	5	50.0	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Benzidine	SW8270C	5	735	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Pyrene	SW8270C	5	59.8	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Butylbenzylphthalate	SW8270C	5	105	3600	ND		ug/Kg	07/21/21	0:05	MT	458182
Benzo(a)anthracene	SW8270C	5	49.0	720	ND		ug/Kg	07/21/21	0:05	MT	458182
3,3-Dichlorobenzidine	SW8270C	5	588	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Chrysene	SW8270C	5	75.8	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Bis(2-Ethylhexyl)phthalate	SW8270C	5	76.7	3600	ND		ug/Kg	07/21/21	0:05	MT	458182
Di-n-Octylphthalate	SW8270C	5	61.4	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Benzo(b)fluoranthene	SW8270C	5	60.2	720	ND		ug/Kg	07/21/21	0:05	MT	458182
benzo(k)fluoranthene	SW8270C	5	40.8	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Benzo(a)pyrene	SW8270C	5	49.0	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Indeno(1,2,3-c,d)pyrene	SW8270C	5	69.0	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Dibenzo(a,h)anthracene	SW8270C	5	63.5	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Benzo(g,h,i)perylene	SW8270C	5	83.3	720	ND		ug/Kg	07/21/21	0:05	MT	458182
Pyridine	SW8270C	5	219	3600	ND		ug/Kg	07/21/21	0:05	MT	458182
Acceptance Limits											
2-Fluorophenol (S)	SW8270C			25 - 121		57.8	%	07/21/21	0:05	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-3.0	Lab Sample ID:	2107137-010A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Phenol-d6 (S)	SW8270C	24 - 113	68.8		%	07/21/21	0:05	MT	458182
2,4,6-Tribromophenol (S)	SW8270C	19 - 122	9.32	S	%	07/21/21	0:05	MT	458182
2-Fluorobiphenyl (S)	SW8270C	45 - 143	75.2		%	07/21/21	0:05	MT	458182
Nitrobenzene-d5 (S)	SW8270C	23 - 120	60.1		%	07/21/21	0:05	MT	458182
p-Terphenyl-d14 (S)	SW8270C	18 - 137	85.7		%	07/21/21	0:05	MT	458182

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract). S-surrogate outside of control limits due to matrix interference.



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-3.0	Lab Sample ID:	2107137-010A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 7/20/21 10:19:00AM
Prep Batch ID: 1133424	Prep Analyst: NDU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	2	6.8	16	ND		mg/Kg	07/20/21	20:23	MK	458235
TPH as Motor Oil	SW8015B	2	25	80	115		mg/Kg	07/20/21	20:23	MK	458235
Pentacosane (S)	SW8015B	Acceptance Limits 45 - 130			66.5		%	07/20/21	20:23	MK	458235



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-3.0	Lab Sample ID:	2107137-010A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	7/20/21	3:11:00PM
Prep Batch ID:	1133458	Prep Analyst:	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	07/20/21	21:36	BP	458215
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	21:36	BP	458215
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	21:36	BP	458215
TBA	SW8260B	1	12	50	ND		ug/Kg	07/20/21	21:36	BP	458215
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	21:36	BP	458215
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	21:36	BP	458215
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	21:36	BP	458215
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	21:36	BP	458215
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Tetrachloroethene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	21:36	BP	458215
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	21:36	BP	458215



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-3.0	Lab Sample ID:	2107137-010A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	7/20/21	3:11:00PM
Prep Batch ID:	1133458	Prep Analyst:	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	21:36	BP	458215
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/20/21	21:36	BP	458215
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:36	BP	458215
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	21:36	BP	458215
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	21:36	BP	458215
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:36	BP	458215
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	21:36	BP	458215
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	21:36	BP	458215
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	21:36	BP	458215
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	21:36	BP	458215
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	21:36	BP	458215
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	21:36	BP	458215
2-Butanone	SW8260B	1	2.3	10.0	11.3		ug/Kg	07/20/21	21:36	BP	458215
(S) Dibromofluoromethane	SW8260B		59.8 - 148		86.0		%	07/20/21	21:36	BP	458215
(S) Toluene-d8	SW8260B		55.2 - 133		112		%	07/20/21	21:36	BP	458215
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		91.9		%	07/20/21	21:36	BP	458215



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-3-3.0	Lab Sample ID:	2107137-010A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 7/20/21	3:11:00PM
Prep Batch ID: 1133459	Prep Analyst: JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	43	100	448	x	ug/Kg	07/20/21	21:36	bp	458215
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		54.5		%	07/20/21	21:36	bp	458215

NOTE: x – Does not match pattern of reference Gasoline standard. Result is elevated due to contribution from heavy end hydrocarbons .



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	ES-4-1.5	Lab Sample ID:	2107137-011A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 7/19/21 3:55:00PM
Prep Batch ID: 1133408	Prep Analyst: TNGU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/20/21	13:00	BJAY	458178



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-1.5	Lab Sample ID:	2107137-011A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	7/19/21	3:10:00PM
Prep Batch ID:	1133404	Prep Analyst:	TNGU	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:46	TMN	458191
Arsenic	SW6010B	1	0.15	1.30	5.20		mg/Kg	07/20/21	13:46	TMN	458191
Barium	SW6010B	1	0.055	5.00	81.5		mg/Kg	07/20/21	13:46	TMN	458191
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/20/21	13:46	TMN	458191
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/20/21	13:46	TMN	458191
Chromium	SW6010B	1	0.075	5.00	55.5		mg/Kg	07/20/21	13:46	TMN	458191
Cobalt	SW6010B	1	0.070	5.00	10.6		mg/Kg	07/20/21	13:46	TMN	458191
Copper	SW6010B	1	0.20	5.00	26.1		mg/Kg	07/20/21	13:46	TMN	458191
Lead	SW6010B	1	0.10	3.00	14.4		mg/Kg	07/20/21	13:46	TMN	458191
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:46	TMN	458191
Nickel	SW6010B	1	0.50	5.00	53.5		mg/Kg	07/20/21	13:46	TMN	458191
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/20/21	13:46	TMN	458191
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/20/21	13:46	TMN	458191
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/20/21	13:46	TMN	458191
Vanadium	SW6010B	1	0.10	5.00	45.3		mg/Kg	07/20/21	13:46	TMN	458191
Zinc	SW6010B	1	0.30	5.00	54.0		mg/Kg	07/20/21	13:46	TMN	458191



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	ES-4-1.5	Lab Sample ID:	2107137-011A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: WET/3010B	Prep Batch Date/Time: 8/10/21 11:59:00AM
Prep Batch ID: 1134092	Prep Analyst: TNGU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	0.471		mg/L	08/10/21	15:32	ERR	458826



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-1.5	Lab Sample ID:	2107137-011A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_PCB	Prep Batch Date/Time: 7/19/21 3:22:00PM
Prep Batch ID: 1133419	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Aroclor1016	SW8082A	3	105	300	ND		ug/Kg	07/21/21	0:02	MK	458204
Aroclor1221	SW8082A	3	15.0	300	ND		ug/Kg	07/21/21	0:02	MK	458204
Aroclor1232	SW8082A	3	51.0	300	ND		ug/Kg	07/21/21	0:02	MK	458204
Aroclor1242	SW8082A	3	9.00	300	ND		ug/Kg	07/21/21	0:02	MK	458204
Aroclor1248	SW8082A	3	6.00	300	ND		ug/Kg	07/21/21	0:02	MK	458204
Aroclor1254	SW8082A	3	42.0	300	ND		ug/Kg	07/21/21	0:02	MK	458204
Aroclor1260	SW8082A	3	72.0	300	ND		ug/Kg	07/21/21	0:02	MK	458204
Acceptance Limits											
TCMX (S)	SW8082A	48 - 125		81.0		%	07/21/21	0:02	MK	458204	
DCBP (S)	SW8082A	48 - 135		66.0		%	07/21/21	0:02	MK	458204	

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-1.5	Lab Sample ID:	2107137-011A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_OCP	Prep Batch Date/Time:	7/20/21	12:44:00PM
Prep Batch ID:	1133433	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

alpha-BHC	SW8081B	10	1.3	20	ND		ug/Kg	07/20/21	22:13	LA	458213
gamma-BHC (Lindane)	SW8081B	10	1.6	20	ND		ug/Kg	07/20/21	22:13	LA	458213
beta-BHC	SW8081B	10	3.2	20	ND		ug/Kg	07/20/21	22:13	LA	458213
delta-BHC	SW8081B	10	1.6	20	ND		ug/Kg	07/20/21	22:13	LA	458213
Heptachlor	SW8081B	10	1.1	20	ND		ug/Kg	07/20/21	22:13	LA	458213
Aldrin	SW8081B	10	2.0	20	ND		ug/Kg	07/20/21	22:13	LA	458213
Heptachlor Epoxide	SW8081B	10	0.78	20	ND		ug/Kg	07/20/21	22:13	LA	458213
gamma-Chlordane	SW8081B	10	1.6	20	ND		ug/Kg	07/20/21	22:13	LA	458213
alpha-Chlordane	SW8081B	10	1.7	20	ND		ug/Kg	07/20/21	22:13	LA	458213
4,4'-DDE	SW8081B	10	1.9	20	ND		ug/Kg	07/20/21	22:13	LA	458213
Endosulfan I	SW8081B	10	1.8	20	ND		ug/Kg	07/20/21	22:13	LA	458213
Dieldrin	SW8081B	10	1.5	20	ND		ug/Kg	07/20/21	22:13	LA	458213
Endrin	SW8081B	10	1.9	20	ND		ug/Kg	07/20/21	22:13	LA	458213
4,4'-DDD	SW8081B	10	5.7	20	ND		ug/Kg	07/20/21	22:13	LA	458213
Endosulfan II	SW8081B	10	5.8	20	ND		ug/Kg	07/20/21	22:13	LA	458213
4,4'-DDT	SW8081B	10	1.3	20	ND		ug/Kg	07/20/21	22:13	LA	458213
Endrin Aldehyde	SW8081B	10	1.5	20	ND		ug/Kg	07/20/21	22:13	LA	458213
Methoxychlor	SW8081B	10	2.0	20	ND		ug/Kg	07/20/21	22:13	LA	458213
Endosulfan Sulfate	SW8081B	10	1.2	20	ND		ug/Kg	07/20/21	22:13	LA	458213
Endrin Ketone	SW8081B	10	0.94	20	ND		ug/Kg	07/20/21	22:13	LA	458213
Chlordane	SW8081B	10	21	200	ND		ug/Kg	07/20/21	22:13	LA	458213
Toxaphene	SW8081B	10	85	500	ND		ug/Kg	07/20/21	22:13	LA	458213
Acceptance Limits											
Tetrachloro-M-Xylene (S)	SW8081B	48 - 125		24.6	S	%	07/20/21	22:13	LA	458213	
Decachlorobiphenyl (S)	SW8081B	38 - 135		41.9		%	07/20/21	22:13	LA	458213	

NOTE: S-TCMX surrogate outside of control limits due to matrix interference



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-1.5	Lab Sample ID:	2107137-011A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	7/19/21	10:33:00AM
Prep Batch ID:	1133392	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

N-Nitrosodimethylamine	SW8270C	10	469	7200	ND		ug/Kg	07/21/21	0:36	MT	458182
Phenol	SW8270C	10	438	2880	ND		ug/Kg	07/21/21	0:36	MT	458182
Bis(2-chloroethyl)ether	SW8270C	10	133	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
2-Chlorophenol	SW8270C	10	477	2880	ND		ug/Kg	07/21/21	0:36	MT	458182
1,3-Dichlorobenzene	SW8270C	10	131	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
1,4-Dichlorobenzene	SW8270C	10	146	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Benzyl Alcohol	SW8270C	10	205	2880	ND		ug/Kg	07/21/21	0:36	MT	458182
1,2-Dichlorobenzene	SW8270C	10	135	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
2-Methylphenol (o-Cresol)	SW8270C	10	293	2880	ND		ug/Kg	07/21/21	0:36	MT	458182
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	10	680	7200	ND		ug/Kg	07/21/21	0:36	MT	458182
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	10	313	2880	ND		ug/Kg	07/21/21	0:36	MT	458182
N-nitroso-di-n-propylamine	SW8270C	10	132	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Hexachloroethane	SW8270C	10	171	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Nitrobenzene	SW8270C	10	128	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Isophorone	SW8270C	10	122	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
2-Nitrophenol	SW8270C	10	254	2880	ND		ug/Kg	07/21/21	0:36	MT	458182
2,4-Dimethylphenol	SW8270C	10	228	2880	ND		ug/Kg	07/21/21	0:36	MT	458182
Benzoic Acid	SW8270C	10	417	2880	ND		ug/Kg	07/21/21	0:36	MT	458182
Bis(2-Chloroethoxy)methane	SW8270C	10	97.9	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Bis(2-chloroisopropyl)ether	SW8270C	10	126	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
2,4-Dichlorophenol	SW8270C	10	393	2880	ND		ug/Kg	07/21/21	0:36	MT	458182
1,2,4-Trichlorobenzene	SW8270C	10	118	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Naphthalene	SW8270C	10	106	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
2,6-Dichlorophenol	SW8270C	10	358	2880	ND		ug/Kg	07/21/21	0:36	MT	458182
Hexachloro-1,3-butadiene	SW8270C	10	83.4	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
4-Chloro-3-methylphenol	SW8270C	10	338	2880	ND		ug/Kg	07/21/21	0:36	MT	458182
2-Methylnaphthalene	SW8270C	10	104	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
1-Methylnaphthalene	SW8270C	10	122	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Hexachlorocyclopentadiene	SW8270C	10	129	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
2,4,6-Trichlorophenol	SW8270C	10	359	2880	ND		ug/Kg	07/21/21	0:36	MT	458182
2,4,5-Trichlorophenol	SW8270C	10	334	2880	ND		ug/Kg	07/21/21	0:36	MT	458182
2-Chloronaphthalene	SW8270C	10	106	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
1,4-Dinitrobenzene	SW8270C	10	103	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Dimethyl phthalate	SW8270C	10	142	7200	ND		ug/Kg	07/21/21	0:36	MT	458182
1,3-Dinitrobenzene	SW8270C	10	104	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Acenaphthylene	SW8270C	10	82.8	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
2,6-Dinitrotoluene	SW8270C	10	113	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
1,2-Dinitrobenzene	SW8270C	10	158	1440	ND		ug/Kg	07/21/21	0:36	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-1.5	Lab Sample ID:	2107137-011A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Acenaphthene	SW8270C	10	107	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
2,4-Dinitrophenol	SW8270C	10	776	7200	ND		ug/Kg	07/21/21	0:36	MT	458182
4-Nitrophenol	SW8270C	10	547	7200	ND		ug/Kg	07/21/21	0:36	MT	458182
Dibenzofuran	SW8270C	10	112	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
2,4-Dinitrotoluene	SW8270C	10	121	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
2,3,5,6-Tetrachlorophenol	SW8270C	10	276	2880	ND		ug/Kg	07/21/21	0:36	MT	458182
2,3,4,6-Tetrachlorophenol	SW8270C	10	315	2880	ND		ug/Kg	07/21/21	0:36	MT	458182
Diethylphthalate	SW8270C	10	136	7200	ND		ug/Kg	07/21/21	0:36	MT	458182
Fluorene	SW8270C	10	103	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
4-Chlorophenyl-phenylether	SW8270C	10	93.2	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
4,6-Dinitro-2-methylphenol	SW8270C	10	134	2880	ND		ug/Kg	07/21/21	0:36	MT	458182
Diphenylamine	SW8270C	10	130	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Azobenzene	SW8270C	10	1140	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
4-Bromophenyl-phenylether	SW8270C	10	82.3	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Hexachlorobenzene	SW8270C	10	86.6	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Pentachlorophenol	SW8270C	10	250	2880	ND		ug/Kg	07/21/21	0:36	MT	458182
Phenanthrene	SW8270C	10	93.2	1440	169	J	ug/Kg	07/21/21	0:36	MT	458182
Anthracene	SW8270C	10	89.1	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Carbazole	SW8270C	10	107	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Di-n-butylphthalate	SW8270C	10	135	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Fluoranthene	SW8270C	10	100	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Benzidine	SW8270C	10	1470	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Pyrene	SW8270C	10	120	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Butylbenzylphthalate	SW8270C	10	210	7200	ND		ug/Kg	07/21/21	0:36	MT	458182
Benzo(a)anthracene	SW8270C	10	98.0	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
3,3-Dichlorobenzidine	SW8270C	10	1180	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Chrysene	SW8270C	10	152	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Bis(2-Ethylhexyl)phthalate	SW8270C	10	153	7200	ND		ug/Kg	07/21/21	0:36	MT	458182
Di-n-Octylphthalate	SW8270C	10	123	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Benzo(b)fluoranthene	SW8270C	10	120	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
benzo(k)fluoranthene	SW8270C	10	81.6	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Benzo(a)pyrene	SW8270C	10	98.0	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Indeno(1,2,3-c,d)pyrene	SW8270C	10	138	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Dibenzo(a,h)anthracene	SW8270C	10	127	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Benzo(g,h,i)perylene	SW8270C	10	167	1440	ND		ug/Kg	07/21/21	0:36	MT	458182
Pyridine	SW8270C	10	438	7200	ND		ug/Kg	07/21/21	0:36	MT	458182
Acceptance Limits											
2-Fluorophenol (S)	SW8270C			25 - 121	59.3		%	07/21/21	0:36	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-1.5	Lab Sample ID:	2107137-011A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Phenol-d6 (S)	SW8270C	24 - 113	58.9	%	07/21/21	0:36	MT	458182
2,4,6-Tribromophenol (S)	SW8270C	19 - 122	69.0	%	07/21/21	0:36	MT	458182
2-Fluorobiphenyl (S)	SW8270C	45 - 143	69.1	%	07/21/21	0:36	MT	458182
Nitrobenzene-d5 (S)	SW8270C	23 - 120	49.8	%	07/21/21	0:36	MT	458182
p-Terphenyl-d14 (S)	SW8270C	18 - 137	77.3	%	07/21/21	0:36	MT	458182

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-1.5	Lab Sample ID:	2107137-011A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 7/20/21 10:19:00AM
Prep Batch ID: 1133424	Prep Analyst: NDU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	3.4	8.0	8.15	x	mg/Kg	07/21/21	11:08	SN	458236
TPH as Motor Oil	SW8015B	1	13	40	44.3		mg/Kg	07/21/21	11:08	SN	458236
Acceptance Limits											
Pentacosane (S)	SW8015B	45 - 130			25.9	S	%	07/21/21	11:08	SN	458236

NOTE: x- Diesel result due to unknown organics within quantified range
S - Surrogate recovery outside the laboratory control limit due to matrix interference



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-1.5	Lab Sample ID:	2107137-011A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 7/20/21 3:11:00PM
Prep Batch ID: 1133458	Prep Analyst: JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	07/20/21	22:04	BP	458215
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	22:04	BP	458215
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	22:04	BP	458215
TBA	SW8260B	1	12	50	ND		ug/Kg	07/20/21	22:04	BP	458215
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	22:04	BP	458215
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	22:04	BP	458215
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	22:04	BP	458215
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	22:04	BP	458215
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Tetrachloroethene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	22:04	BP	458215
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	22:04	BP	458215



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-1.5	Lab Sample ID:	2107137-011A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	7/20/21	3:11:00PM
Prep Batch ID:	1133458	Prep Analyst:	JZHAO	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	22:04	BP	458215
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/20/21	22:04	BP	458215
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	22:04	BP	458215
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	22:04	BP	458215
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	22:04	BP	458215
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	22:04	BP	458215
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	22:04	BP	458215
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	22:04	BP	458215
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	22:04	BP	458215
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	22:04	BP	458215
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	22:04	BP	458215
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	22:04	BP	458215
2-Butanone	SW8260B	1	2.3	10.0	14.7		ug/Kg	07/20/21	22:04	BP	458215
(S) Dibromofluoromethane	SW8260B		59.8 - 148		142		%	07/20/21	22:04	BP	458215
(S) Toluene-d8	SW8260B		55.2 - 133		116		%	07/20/21	22:04	BP	458215
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		103		%	07/20/21	22:04	BP	458215



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-1.5	Lab Sample ID:	2107137-011A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 7/20/21 3:11:00PM
Prep Batch ID: 1133459	Prep Analyst: JZHAO

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	43	100	ND		ug/Kg	07/20/21	22:04	bp	458215
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		42.9	S	%	07/20/21	22:04	bp	458215

NOTE: S-surrogate outside of control limits due to possible matrix interference



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	ES-4-3.0	Lab Sample ID:	2107137-012A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 7471BP	Prep Batch Date/Time: 7/19/21 3:55:00PM
Prep Batch ID: 1133408	Prep Analyst: TNGU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Mercury	SW7471B	1	0.083	0.50	ND		mg/Kg	07/20/21	13:03	BJAY	458178



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-3.0	Lab Sample ID:	2107137-012A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3050B	Prep Batch Date/Time:	7/19/21	3:10:00PM
Prep Batch ID:	1133404	Prep Analyst:	TNGU	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Antimony	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:48	TMN	458191
Arsenic	SW6010B	1	0.15	1.30	3.33		mg/Kg	07/20/21	13:48	TMN	458191
Barium	SW6010B	1	0.055	5.00	50.5		mg/Kg	07/20/21	13:48	TMN	458191
Beryllium	SW6010B	1	0.055	5.00	ND		mg/Kg	07/20/21	13:48	TMN	458191
Cadmium	SW6010B	1	0.10	5.00	ND		mg/Kg	07/20/21	13:48	TMN	458191
Chromium	SW6010B	1	0.075	5.00	66.0		mg/Kg	07/20/21	13:48	TMN	458191
Cobalt	SW6010B	1	0.070	5.00	7.40		mg/Kg	07/20/21	13:48	TMN	458191
Copper	SW6010B	1	0.20	5.00	16.0		mg/Kg	07/20/21	13:48	TMN	458191
Lead	SW6010B	1	0.10	3.00	137		mg/Kg	07/20/21	13:48	TMN	458191
Molybdenum	SW6010B	1	0.050	5.00	ND		mg/Kg	07/20/21	13:48	TMN	458191
Nickel	SW6010B	1	0.50	5.00	54.5		mg/Kg	07/20/21	13:48	TMN	458191
Selenium	SW6010B	1	0.22	5.00	ND		mg/Kg	07/20/21	13:48	TMN	458191
Silver	SW6010B	1	0.15	5.00	ND		mg/Kg	07/20/21	13:48	TMN	458191
Thallium	SW6010B	1	0.55	5.00	ND		mg/Kg	07/20/21	13:48	TMN	458191
Vanadium	SW6010B	1	0.10	5.00	26.1		mg/Kg	07/20/21	13:48	TMN	458191
Zinc	SW6010B	1	0.30	5.00	392		mg/Kg	07/20/21	13:48	TMN	458191



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-3.0	Lab Sample ID:	2107137-012A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: WET/3010B	Prep Batch Date/Time: 8/10/21 11:59:00AM
Prep Batch ID: 1134092	Prep Analyst: TNGU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Chromium (STLC)	SW6010B	1	0.010	0.20	0.222		mg/L	08/10/21	15:33	ERR	458826
Lead (STLC)	SW6010B	1	0.050	0.20	2.34		mg/L	08/10/21	15:33	ERR	458826



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	ES-4-3.0	Lab Sample ID:	2107137-012A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 1311/3010B	Prep Batch Date/Time: 8/11/21 12:00:00PM
Prep Batch ID: 1134149	Prep Analyst: TNGU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Lead (TCLP)	SW6010B	1	0.050	0.20	ND		mg/L	08/11/21	17:32	ERR	458881



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-3.0	Lab Sample ID:	2107137-012A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_PCB	Prep Batch Date/Time:	7/19/21	3:22:00PM
Prep Batch ID:	1133419	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Aroclor1016	SW8082A	1	35.0	100	ND		ug/Kg	07/21/21	0:16	MK	458204
Aroclor1221	SW8082A	1	5.00	100	ND		ug/Kg	07/21/21	0:16	MK	458204
Aroclor1232	SW8082A	1	17.0	100	ND		ug/Kg	07/21/21	0:16	MK	458204
Aroclor1242	SW8082A	1	3.00	100	ND		ug/Kg	07/21/21	0:16	MK	458204
Aroclor1248	SW8082A	1	2.00	100	ND		ug/Kg	07/21/21	0:16	MK	458204
Aroclor1254	SW8082A	1	14.0	100	ND		ug/Kg	07/21/21	0:16	MK	458204
Aroclor1260	SW8082A	1	24.0	100	ND		ug/Kg	07/21/21	0:16	MK	458204
Acceptance Limits											
TCMX (S)	SW8082A		48 - 125		68.0		%	07/21/21	0:16	MK	458204
DCBP (S)	SW8082A		48 - 135		59.0		%	07/21/21	0:16	MK	458204



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-3.0	Lab Sample ID:	2107137-012A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_OCP	Prep Batch Date/Time:	7/20/21	12:44:00PM
Prep Batch ID:	1133433	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

alpha-BHC	SW8081B	10	1.3	20	ND		ug/Kg	07/20/21	22:26	LA	458213
gamma-BHC (Lindane)	SW8081B	10	1.6	20	ND		ug/Kg	07/20/21	22:26	LA	458213
beta-BHC	SW8081B	10	3.2	20	ND		ug/Kg	07/20/21	22:26	LA	458213
delta-BHC	SW8081B	10	1.6	20	ND		ug/Kg	07/20/21	22:26	LA	458213
Heptachlor	SW8081B	10	1.1	20	ND		ug/Kg	07/20/21	22:26	LA	458213
Aldrin	SW8081B	10	2.0	20	ND		ug/Kg	07/20/21	22:26	LA	458213
Heptachlor Epoxide	SW8081B	10	0.78	20	ND		ug/Kg	07/20/21	22:26	LA	458213
gamma-Chlordane	SW8081B	10	1.6	20	ND		ug/Kg	07/20/21	22:26	LA	458213
alpha-Chlordane	SW8081B	10	1.7	20	ND		ug/Kg	07/20/21	22:26	LA	458213
4,4'-DDE	SW8081B	10	1.9	20	ND		ug/Kg	07/20/21	22:26	LA	458213
Endosulfan I	SW8081B	10	1.8	20	ND		ug/Kg	07/20/21	22:26	LA	458213
Dieldrin	SW8081B	10	1.5	20	ND		ug/Kg	07/20/21	22:26	LA	458213
Endrin	SW8081B	10	1.9	20	ND		ug/Kg	07/20/21	22:26	LA	458213
4,4'-DDD	SW8081B	10	5.7	20	ND		ug/Kg	07/20/21	22:26	LA	458213
Endosulfan II	SW8081B	10	5.8	20	ND		ug/Kg	07/20/21	22:26	LA	458213
4,4'-DDT	SW8081B	10	1.3	20	ND		ug/Kg	07/20/21	22:26	LA	458213
Endrin Aldehyde	SW8081B	10	1.5	20	ND		ug/Kg	07/20/21	22:26	LA	458213
Methoxychlor	SW8081B	10	2.0	20	ND		ug/Kg	07/20/21	22:26	LA	458213
Endosulfan Sulfate	SW8081B	10	1.2	20	ND		ug/Kg	07/20/21	22:26	LA	458213
Endrin Ketone	SW8081B	10	0.94	20	ND		ug/Kg	07/20/21	22:26	LA	458213
Chlordane	SW8081B	10	21	200	ND		ug/Kg	07/20/21	22:26	LA	458213
Toxaphene	SW8081B	10	85	500	ND		ug/Kg	07/20/21	22:26	LA	458213
Acceptance Limits											
Tetrachloro-M-Xylene (S)	SW8081B	48 - 125		67.6			%	07/20/21	22:26	LA	458213
Decachlorobiphenyl (S)	SW8081B	38 - 135		69.2			%	07/20/21	22:26	LA	458213

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-3.0	Lab Sample ID:	2107137-012A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	7/19/21	10:33:00AM
Prep Batch ID:	1133392	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

N-Nitrosodimethylamine	SW8270C	10	469	7200	ND		ug/Kg	07/21/21	1:06	MT	458182
Phenol	SW8270C	10	438	2880	ND		ug/Kg	07/21/21	1:06	MT	458182
Bis(2-chloroethyl)ether	SW8270C	10	133	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
2-Chlorophenol	SW8270C	10	477	2880	ND		ug/Kg	07/21/21	1:06	MT	458182
1,3-Dichlorobenzene	SW8270C	10	131	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
1,4-Dichlorobenzene	SW8270C	10	146	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Benzyl Alcohol	SW8270C	10	205	2880	ND		ug/Kg	07/21/21	1:06	MT	458182
1,2-Dichlorobenzene	SW8270C	10	135	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
2-Methylphenol (o-Cresol)	SW8270C	10	293	2880	ND		ug/Kg	07/21/21	1:06	MT	458182
N-Methyl-2-Pyrrolidone (NMP)	SW8270C	10	680	7200	ND		ug/Kg	07/21/21	1:06	MT	458182
3-/4-Methylphenol (p-/m-Cresol)	SW8270C	10	313	2880	ND		ug/Kg	07/21/21	1:06	MT	458182
N-nitroso-di-n-propylamine	SW8270C	10	132	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Hexachloroethane	SW8270C	10	171	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Nitrobenzene	SW8270C	10	128	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Isophorone	SW8270C	10	122	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
2-Nitrophenol	SW8270C	10	254	2880	ND		ug/Kg	07/21/21	1:06	MT	458182
2,4-Dimethylphenol	SW8270C	10	228	2880	ND		ug/Kg	07/21/21	1:06	MT	458182
Benzoic Acid	SW8270C	10	417	2880	ND		ug/Kg	07/21/21	1:06	MT	458182
Bis(2-Chloroethoxy)methane	SW8270C	10	97.9	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Bis(2-chloroisopropyl)ether	SW8270C	10	126	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
2,4-Dichlorophenol	SW8270C	10	393	2880	ND		ug/Kg	07/21/21	1:06	MT	458182
1,2,4-Trichlorobenzene	SW8270C	10	118	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Naphthalene	SW8270C	10	106	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
2,6-Dichlorophenol	SW8270C	10	358	2880	ND		ug/Kg	07/21/21	1:06	MT	458182
Hexachloro-1,3-butadiene	SW8270C	10	83.4	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
4-Chloro-3-methylphenol	SW8270C	10	338	2880	ND		ug/Kg	07/21/21	1:06	MT	458182
2-Methylnaphthalene	SW8270C	10	104	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
1-Methylnaphthalene	SW8270C	10	122	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Hexachlorocyclopentadiene	SW8270C	10	129	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
2,4,6-Trichlorophenol	SW8270C	10	359	2880	ND		ug/Kg	07/21/21	1:06	MT	458182
2,4,5-Trichlorophenol	SW8270C	10	334	2880	ND		ug/Kg	07/21/21	1:06	MT	458182
2-Chloronaphthalene	SW8270C	10	106	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
1,4-Dinitrobenzene	SW8270C	10	103	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Dimethyl phthalate	SW8270C	10	142	7200	ND		ug/Kg	07/21/21	1:06	MT	458182
1,3-Dinitrobenzene	SW8270C	10	104	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Acenaphthylene	SW8270C	10	82.8	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
2,6-Dinitrotoluene	SW8270C	10	113	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
1,2-Dinitrobenzene	SW8270C	10	158	1440	ND		ug/Kg	07/21/21	1:06	MT	458182



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-3.0	Lab Sample ID:	2107137-012A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	3546_BNA	Prep Batch Date/Time:	7/19/21	10:33:00AM
Prep Batch ID:	1133392	Prep Analyst:	NDUM	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Acenaphthene	SW8270C	10	107	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
2,4-Dinitrophenol	SW8270C	10	776	7200	ND		ug/Kg	07/21/21	1:06	MT	458182
4-Nitrophenol	SW8270C	10	547	7200	ND		ug/Kg	07/21/21	1:06	MT	458182
Dibenzofuran	SW8270C	10	112	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
2,4-Dinitrotoluene	SW8270C	10	121	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
2,3,5,6-Tetrachlorophenol	SW8270C	10	276	2880	ND		ug/Kg	07/21/21	1:06	MT	458182
2,3,4,6-Tetrachlorophenol	SW8270C	10	315	2880	ND		ug/Kg	07/21/21	1:06	MT	458182
Diethylphthalate	SW8270C	10	136	7200	ND		ug/Kg	07/21/21	1:06	MT	458182
Fluorene	SW8270C	10	103	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
4-Chlorophenyl-phenylether	SW8270C	10	93.2	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
4,6-Dinitro-2-methylphenol	SW8270C	10	134	2880	ND		ug/Kg	07/21/21	1:06	MT	458182
Diphenylamine	SW8270C	10	130	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Azobenzene	SW8270C	10	1140	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
4-Bromophenyl-phenylether	SW8270C	10	82.3	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Hexachlorobenzene	SW8270C	10	86.6	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Pentachlorophenol	SW8270C	10	250	2880	ND		ug/Kg	07/21/21	1:06	MT	458182
Phanthrene	SW8270C	10	93.2	1440	160	J	ug/Kg	07/21/21	1:06	MT	458182
Anthracene	SW8270C	10	89.1	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Carbazole	SW8270C	10	107	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Di-n-butylphthalate	SW8270C	10	135	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Fluoranthene	SW8270C	10	100	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Benzidine	SW8270C	10	1470	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Pyrene	SW8270C	10	120	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Butylbenzylphthalate	SW8270C	10	210	7200	ND		ug/Kg	07/21/21	1:06	MT	458182
Benzo(a)anthracene	SW8270C	10	98.0	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
3,3-Dichlorobenzidine	SW8270C	10	1180	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Chrysene	SW8270C	10	152	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Bis(2-Ethylhexyl)phthalate	SW8270C	10	153	7200	ND		ug/Kg	07/21/21	1:06	MT	458182
Di-n-Octylphthalate	SW8270C	10	123	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Benzo(b)fluoranthene	SW8270C	10	120	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
benzo(k)fluoranthene	SW8270C	10	81.6	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Benzo(a)pyrene	SW8270C	10	98.0	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Indeno(1,2,3-c,d)pyrene	SW8270C	10	138	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Dibenzo(a,h)anthracene	SW8270C	10	127	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Benzo(g,h,i)perylene	SW8270C	10	167	1440	ND		ug/Kg	07/21/21	1:06	MT	458182
Pyridine	SW8270C	10	438	7200	ND		ug/Kg	07/21/21	1:06	MT	458182

Acceptance Limits

2-Fluorophenol (S)	SW8270C	25 - 121	64.9	%	07/21/21	1:06	MT	458182
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SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-3.0	Lab Sample ID:	2107137-012A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_BNA	Prep Batch Date/Time: 7/19/21 10:33:00AM
Prep Batch ID: 1133392	Prep Analyst: NDU

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
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The results shown below are reported using their MDL.

Phenol-d6 (S)	SW8270C	24 - 113	65.0	%	07/21/21	1:06	MT	458182
2,4,6-Tribromophenol (S)	SW8270C	19 - 122	93.6	%	07/21/21	1:06	MT	458182
2-Fluorobiphenyl (S)	SW8270C	45 - 143	79.5	%	07/21/21	1:06	MT	458182
Nitrobenzene-d5 (S)	SW8270C	23 - 120	53.9	%	07/21/21	1:06	MT	458182
p-Terphenyl-d14 (S)	SW8270C	18 - 137	91.9	%	07/21/21	1:06	MT	458182

NOTE: Sample diluted due to nature of the matrix (dark, viscous extract)



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan **Date/Time Received:** 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-3.0	Lab Sample ID:	2107137-012A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 3546_TPH	Prep Batch Date/Time: 7/20/21 10:19:00AM
Prep Batch ID: 1133424	Prep Analyst: NDUM

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Diesel	SW8015B	1	3.4	8.0	16.1	x	mg/Kg	07/21/21	11:33	SN	458236
TPH as Motor Oil	SW8015B	1	13	40	96.2		mg/Kg	07/21/21	11:33	SN	458236
Acceptance Limits											
Pentacosane (S)	SW8015B	45 - 130			66.9		%	07/21/21	11:33	SN	458236

NOTE: x-Diesel value the result of overlap of Oil range into Diesel range



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-3.0	Lab Sample ID:	2107137-012A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035	Prep Batch Date/Time: 7/20/21 10:16:00AM
Prep Batch ID: 1133461	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
Dichlorodifluoromethane	SW8260B	1	1.2	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Chloromethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Vinyl Chloride	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Bromomethane	SW8260B	1	2.7	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Chloroethane	SW8260B	1	3.0	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Trichlorofluoromethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,1-Dichloroethene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Freon 113	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Methylene Chloride	SW8260B	1	7.1	10	ND		ug/Kg	07/20/21	20:08	BP	458218
trans-1,2-Dichloroethene	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	20:08	BP	458218
MTBE	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	20:08	BP	458218
TBA	SW8260B	1	12	50	ND		ug/Kg	07/20/21	20:08	BP	458218
Diisopropyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,1-Dichloroethane	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Ethyl tert-Butyl ether	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	20:08	BP	458218
cis-1,2-Dichloroethene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	20:08	BP	458218
2,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Bromochloromethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Chloroform	SW8260B	1	2.4	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Carbon Tetrachloride	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,1,1-Trichloroethane	SW8260B	1	2.1	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,1-Dichloropropene	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Benzene	SW8260B	1	2.2	10	ND		ug/Kg	07/20/21	20:08	BP	458218
TAME	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,2-Dichloroethane	SW8260B	1	2.3	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Trichloroethylene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Dibromomethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,2-Dichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Bromodichloromethane	SW8260B	1	2.0	10	ND		ug/Kg	07/20/21	20:08	BP	458218
cis-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Toluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Tetrachloroethene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	20:08	BP	458218
trans-1,3-Dichloropropene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,1,2-Trichloroethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Dibromochloromethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,3-Dichloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,2-Dibromoethane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Chlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Ethylbenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	20:08	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan Date/Time Received: 07/16/21, 4:45 pm
Date Reported: 07/21/21

Client Sample ID:	ES-4-3.0	Lab Sample ID:	2107137-012A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method:	5035	Prep Batch Date/Time:	7/20/21	10:16:00AM
Prep Batch ID:	1133461	Prep Analyst:	BPATEL	

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
1,1,1,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	20:08	BP	458218
m,p-Xylene	SW8260B	1	3.2	10	ND		ug/Kg	07/20/21	20:08	BP	458218
o-Xylene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Styrene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Bromoform	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Isopropyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:08	BP	458218
n-Propylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Bromobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,1,2,2-Tetrachloroethane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	20:08	BP	458218
2-Chlorotoluene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,3,5-Trimethylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,2,3-Trichloropropane	SW8260B	1	1.9	10	ND		ug/Kg	07/20/21	20:08	BP	458218
4-Chlorotoluene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:08	BP	458218
tert-Butylbenzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,2,4-Trimethylbenzene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	20:08	BP	458218
sec-Butyl Benzene	SW8260B	1	1.6	10	ND		ug/Kg	07/20/21	20:08	BP	458218
p-Isopropyltoluene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,3-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,4-Dichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	20:08	BP	458218
n-Butylbenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,2-Dichlorobenzene	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,2-Dibromo-3-Chloropropane	SW8260B	1	1.8	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Hexachlorobutadiene	SW8260B	1	1.4	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,2,4-Trichlorobenzene	SW8260B	1	1.5	10	ND		ug/Kg	07/20/21	20:08	BP	458218
Naphthalene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	20:08	BP	458218
1,2,3-Trichlorobenzene	SW8260B	1	1.7	10	ND		ug/Kg	07/20/21	20:08	BP	458218
2-Butanone	SW8260B	1	2.3	10.0	ND		ug/Kg	07/20/21	20:08	BP	458218
(S) Dibromofluoromethane	SW8260B		59.8 - 148		64.8		%	07/20/21	20:08	BP	458218
(S) Toluene-d8	SW8260B		55.2 - 133		104		%	07/20/21	20:08	BP	458218
(S) 4-Bromofluorobenzene	SW8260B		55.8 - 141		93.3		%	07/20/21	20:08	BP	458218



SAMPLE RESULTS

Report prepared for: Peter Cusack
Langan

Date/Time Received: 07/16/21, 4:45 pm

Date Reported: 07/21/21

Client Sample ID:	ES-4-3.0	Lab Sample ID:	2107137-012A
Project Name/Location:	620 Burlingame Boulevard	Sample Matrix:	Soil
Project Number:	731757301		
Date/Time Sampled:	07/14/21 /		
SDG:			

Prep Method: 5035GRO	Prep Batch Date/Time: 7/20/21 10:16:00AM
Prep Batch ID: 1133462	Prep Analyst: BPATEL

Parameters:	Analysis Method	DF	MDL	PQL	Results	Q	Units	Analyzed	Time	By	Analytical Batch
TPH as Gasoline	8260TPH	1	43	100	ND		ug/Kg	07/20/21	20:08	BP	458218
(S) 4-Bromofluorobenzene	8260TPH		43.9 - 127		92.4		%	07/20/21	20:08	BP	458218



MB Summary Report

Work Order:	2107137	Prep Method:	3546_BNA	Prep Date:	07/19/21	Prep Batch:	1133392
Matrix:	Soil	Analytical Method:	SW8270C	Analyzed Date:	7/19/2021	Analytical Batch:	458182
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
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N-Nitrosodimethylamine	46.9	720	ND	
Phenol	43.8	288	ND	
Bis(2-chloroethyl)ether	13.3	144	ND	
2-Chlorophenol	47.7	288	ND	
1,3-Dichlorobenzene	13.1	144	ND	
1,4-Dichlorobenzene	14.6	144	ND	
Benzyl Alcohol	20.5	288	ND	
1,2-Dichlorobenzene	13.5	144	ND	
2-Methylphenol (o-Cresol)	29.3	288	ND	
N-Methyl-2-Pyrrolidone (NMP)	68.0	720	ND	
3-/4-Methylphenol (p-/m-Cresol)	31.3	288	ND	
N-nitroso-di-n-propylamine	13.2	144	ND	
Hexachloroethane	17.1	144	ND	
Nitrobenzene	12.8	144	ND	
Isophorone	12.2	144	ND	
2-Nitrophenol	25.4	288	ND	
2,4-Dimethylphenol	22.8	288	ND	
Benzoic Acid	41.7	288	ND	
Bis(2-Chloroethoxy)methane	9.79	144	ND	
Bis(2-chloroisopropyl)ether	12.6	144	ND	
2,4-Dichlorophenol	39.3	288	ND	
1,2,4-Trichlorobenzene	11.8	144	ND	
Naphthalene	10.6	144	ND	
2,6-Dichlorophenol	35.8	288	ND	
Hexachloro-1,3-butadiene	8.34	144	ND	
4-Chloro-3-methylphenol	33.8	288	ND	
2-Methylnaphthalene	10.4	144	ND	
1-Methylnaphthalene	12.2	144	ND	
Hexachlorocyclopentadiene	12.9	144	ND	
2,4,6-Trichlorophenol	35.9	288	ND	
2,4,5-Trichlorophenol	33.4	288	ND	
2-Chloronaphthalene	10.6	144	ND	
1,4-Dinitrobenzene	10.3	144	ND	
Dimethyl phthalate	14.2	720	ND	
1,3-Dinitrobenzene	10.4	144	ND	
Acenaphthylene	8.28	144	ND	
2,6-Dinitrotoluene	11.3	144	ND	
1,2-Dinitrobenzene	15.8	144	ND	
Acenaphthene	10.7	144	ND	
2,4-Dinitrophenol	77.6	720	ND	
4-Nitrophenol	54.7	720	ND	
Dibenzofuran	11.2	144	ND	
2,4-Dinitrotoluene	12.1	144	ND	
2,3,5,6-Tetrachlorophenol	27.6	288	ND	
2,3,4,6-Tetrachlorophenol	31.5	288	ND	



MB Summary Report

Work Order:	2107137	Prep Method:	3546_BNA	Prep Date:	07/19/21	Prep Batch:	1133392
Matrix:	Soil	Analytical Method:	SW8270C	Analyzed Date:	7/19/2021	Analytical Batch:	458182
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Diethylphthalate	13.6	720	ND		
Fluorene	10.3	144	ND		
4-Chlorophenyl-phenylether	9.32	144	ND		
4,6-Dinitro-2-methylphenol	13.4	288	ND		
Diphenylamine	13.0	144	ND		
Azobenzene	114	144	ND		
4-Bromophenyl-phenylether	8.23	144	ND		
Hexachlorobenzene	8.66	144	ND		
Pentachlorophenol	25.0	288	ND		
Phenanthrene	9.32	144	ND		
Anthracene	8.91	144	ND		
Carbazole	10.7	144	ND		
Di-n-butylphthalate	13.5	144	ND		
Fluoranthene	10.0	144	ND		
Benzidine	147	144	ND		
Pyrene	12.0	144	ND		
Butylbenzylphthalate	21.0	720	ND		
Benzo(a)anthracene	9.80	144	ND		
3,3-Dichlorobenzidine	118	144	ND		
Chrysene	15.2	144	ND		
Bis(2-Ethylhexyl)phthalate	15.3	720	ND		
Di-n-Octylphthalate	12.3	144	ND		
Benzo(b)fluoranthene	12.0	144	ND		
benzo(k)fluoranthene	8.16	144	ND		
Benzo(a)pyrene	9.80	144	ND		
Indeno(1,2,3-c,d)pyrene	13.8	144	ND		
Dibenzo(a,h)anthracene	12.7	144	ND		
Benzo(g,h,i)perylene	12.7	144	ND		
Pyridine	43.8	720	ND		
2-Fluorophenol (S)			78.9		
Phenol-d6 (S)			82.1		
2,4,6-Tribromophenol (S)			98.7		
2-Fluorobiphenyl (S)			79.0		
Nitrobenzene-d5 (S)			70.8		
p-Terphenyl-d14 (S)			95.4		



MB Summary Report

Work Order:	2107137	Prep Method:	3050B	Prep Date:	07/19/21	Prep Batch:	1133404
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	7/20/2021	Analytical Batch:	458191
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
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Antimony	0.050	5.00	0.080	
Arsenic	0.15	1.30	0.15	
Barium	0.055	5.00	0.065	
Beryllium	0.055	5.00	ND	
Cadmium	0.10	5.00	ND	
Chromium	0.075	5.00	ND	
Cobalt	0.070	5.00	ND	
Copper	0.20	5.00	ND	
Lead	0.10	3.00	0.11	
Molybdenum	0.050	5.00	0.11	
Nickel	0.50	5.00	ND	
Selenium	0.22	5.00	ND	
Silver	0.15	5.00	ND	
Thallium	0.55	5.00	ND	
Vanadium	0.10	5.00	0.10	
Zinc	0.30	5.00	ND	

Work Order:	2107137	Prep Method:	3050B	Prep Date:	07/19/21	Prep Batch:	1133406
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	7/20/2021	Analytical Batch:	458190
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
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Antimony	0.050	5.00	ND	
Arsenic	0.15	1.30	0.15	
Barium	0.055	5.00	0.055	
Beryllium	0.055	5.00	ND	
Cadmium	0.10	5.00	ND	
Chromium	0.075	5.00	0.10	
Cobalt	0.070	5.00	ND	
Copper	0.20	5.00	ND	
Lead	0.10	3.00	0.11	
Molybdenum	0.050	5.00	0.14	
Nickel	0.50	5.00	ND	
Selenium	0.22	5.00	0.25	
Silver	0.15	5.00	ND	
Thallium	0.55	5.00	ND	
Vanadium	0.10	5.00	ND	
Zinc	0.30	5.00	ND	



MB Summary Report

Work Order:	2107137	Prep Method:	7471BP	Prep Date:	07/19/21	Prep Batch:	1133407
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	7/20/2021	Analytical Batch:	458183
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
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Mercury 0.083 0.50 ND

Work Order:	2107137	Prep Method:	7471BP	Prep Date:	07/19/21	Prep Batch:	1133408
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	7/20/2021	Analytical Batch:	458178
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
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Mercury 0.083 0.50 ND

Work Order:	2107137	Prep Method:	3546_OCP	Prep Date:	07/19/21	Prep Batch:	1133411
Matrix:	Soil	Analytical Method:	SW8081B	Analyzed Date:	7/19/2021	Analytical Batch:	458158
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
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alpha-BHC 0.13 2.0 ND
gamma-BHC (Lindane) 0.16 2.0 ND
beta-BHC 0.32 2.0 ND
delta-BHC 0.16 2.0 ND
Heptachlor 0.11 2.0 ND
Aldrin 0.20 2.0 ND
Heptachlor Epoxide 0.078 2.0 ND
gamma-Chlordane 0.16 2.0 ND
alpha-Chlordane 0.17 2.0 ND
4,4'-DDE 0.19 2.0 ND
Endosulfan I 0.18 2.0 ND
Dieldrin 0.15 2.0 ND
Endrin 0.19 2.0 ND
4,4'-DDD 0.57 2.0 ND
Endosulfan II 0.58 2.0 ND
4,4'-DDT 0.13 2.0 ND
Endrin Aldehyde 0.15 2.0 ND
Methoxychlor 0.20 2.0 ND
Endosulfan Sulfate 0.12 2.0 ND
Endrin Ketone 0.094 2.0 ND
Chlordane 2.1 20 ND
Toxaphene 8.5 50 ND
Tetrachloro-M-Xylene (S) 90.9
Decachlorobiphenyl (S) 77.0



MB Summary Report

Work Order:	2107137	Prep Method:	3546_PCB	Prep Date:	07/19/21	Prep Batch:	1133419
Matrix:	Soil	Analytical Method:	SW8082A	Analyzed Date:	7/20/2021	Analytical Batch:	458204
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
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Aroclor1016 35.0 100 ND
Aroclor1221 5.00 100 ND
Aroclor1232 17.0 100 ND
Aroclor1242 3.00 100 ND
Aroclor1248 2.00 100 ND
Aroclor1254 14.0 100 ND
Aroclor1260 24.0 100 ND
TCMX (S) 104
DCBP (S) 98.0

Work Order:	2107137	Prep Method:	3546_TPH	Prep Date:	07/20/21	Prep Batch:	1133424
Matrix:	Soil	Analytical Method:	SW8015B	Analyzed Date:	7/20/2021	Analytical Batch:	458235
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
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TPH as Diesel 0.85 2.0 ND
TPH as Motor Oil 3.2 10 ND
Pentacosane (S) 77.0



MB Summary Report

Work Order:	2107137	Prep Method:	3546_OCP	Prep Date:	07/20/21	Prep Batch:	1133433
Matrix:	Soil	Analytical Method:	SW8081B	Analyzed Date:	7/20/2021	Analytical Batch:	458213
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
alpha-BHC	0.13	2.0	ND		
gamma-BHC (Lindane)	0.16	2.0	ND		
beta-BHC	0.32	2.0	ND		
delta-BHC	0.16	2.0	ND		
Heptachlor	0.11	2.0	ND		
Aldrin	0.20	2.0	ND		
Heptachlor Epoxide	0.078	2.0	ND		
gamma-Chlordane	0.16	2.0	ND		
alpha-Chlordane	0.17	2.0	ND		
4,4'-DDE	0.19	2.0	ND		
Endosulfan I	0.18	2.0	ND		
Dieldrin	0.15	2.0	ND		
Endrin	0.19	2.0	ND		
4,4'-DDD	0.57	2.0	ND		
Endosulfan II	0.58	2.0	ND		
4,4'-DDT	0.13	2.0	ND		
Endrin Aldehyde	0.15	2.0	ND		
Methoxychlor	0.20	2.0	ND		
Endosulfan Sulfate	0.12	2.0	ND		
Endrin Ketone	0.094	2.0	ND		
Chlordane	2.1	20	ND		
Toxaphene	8.5	50	ND		
Tetrachloro-M-Xylene (S)			85.8		
Decachlorobiphenyl (S)			77.1		



MB Summary Report

Work Order:	2107137	Prep Method:	5035	Prep Date:	07/20/21	Prep Batch:	1133458
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	7/20/2021	Analytical Batch:	458215
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	1.2	10	ND		
Chloromethane	1.8	10	ND		
Vinyl Chloride	2.0	10	ND		
Bromomethane	2.7	10	ND		
Chloroethane	3.0	10	ND		
Trichlorofluoromethane	2.1	10	ND		
1,1-Dichloroethene	2.0	10	ND		
Freon 113	1.9	10	ND		
Methylene Chloride	7.1	10	ND		
trans-1,2-Dichloroethene	2.1	10	ND		
MTBE	2.3	10	ND		
TBA	12	50	ND		
Diisopropyl ether	2.3	10	ND		
1,1-Dichloroethane	2.2	10	ND		
Ethyl tert-Butyl ether	2.3	10	ND		
cis-1,2-Dichloroethene	2.2	10	ND		
2,2-Dichloropropane	1.9	10	ND		
Bromochloromethane	2.3	10	ND		
Chloroform	2.4	10	ND		
Carbon Tetrachloride	2.1	10	ND		
1,1,1-Trichloroethane	2.1	10	ND		
1,1-Dichloropropene	2.0	10	ND		
Benzene	2.2	10	ND		
TAME	2.3	10	ND		
1,2-Dichloroethane	2.3	10	ND		
Trichloroethylene	1.8	10	ND		
Dibromomethane	1.8	10	ND		
1,2-Dichloropropane	1.9	10	ND		
Bromodichloromethane	2.0	10	ND		
cis-1,3-Dichloropropene	1.6	10	ND		
Toluene	1.8	10	ND		
Tetrachloroethene	1.7	10	ND		
trans-1,3-Dichloropropene	1.6	10	ND		
1,1,2-Trichloroethane	1.8	10	ND		
Dibromochloromethane	1.9	10	ND		
1,3-Dichloropropane	1.8	10	ND		
1,2-Dibromoethane	1.8	10	ND		
Chlorobenzene	1.8	10	ND		
Ethylbenzene	1.7	10	ND		
1,1,1,2-Tetrachloroethane	1.9	10	ND		
m,p-Xylene	3.2	10	ND		
o-Xylene	1.7	10	ND		
Styrene	1.6	10	ND		
Bromoform	1.7	10	ND		
Isopropyl Benzene	1.6	10	ND		



MB Summary Report

Work Order:	2107137	Prep Method:	5035	Prep Date:	07/20/21	Prep Batch:	1133458
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	7/20/2021	Analytical Batch:	458215
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
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n-Propylbenzene	1.6	10	ND		
Bromobenzene	1.8	10	ND		
1,1,2,2-Tetrachloroethane	1.9	10	ND		
2-Chlorotoluene	1.8	10	ND		
1,3,5-Trimethylbenzene	1.6	10	ND		
1,2,3-Trichloropropane	1.9	10	ND		
4-Chlorotoluene	1.6	10	ND		
tert-Butylbenzene	1.6	10	ND		
1,2,4-Trimethylbenzene	1.4	10	2.8	J	
sec-Butyl Benzene	1.6	10	2.9	J	
p-Isopropyltoluene	1.5	10	4.6	J	
1,3-Dichlorobenzene	1.7	10	ND		
1,4-Dichlorobenzene	1.7	10	ND		
n-Butylbenzene	1.5	10	3.9	J	
1,2-Dichlorobenzene	1.8	10	ND		
1,2-Dibromo-3-Chloropropane	1.8	10	ND		
Hexachlorobutadiene	1.4	10	ND		
1,2,4-Trichlorobenzene	1.5	10	5.0	J	
Naphthalene	1.7	10	6.4	J	
1,2,3-Trichlorobenzene	1.7	10	5.4	J	
2-Butanone	2.3	10	ND		
Acetone	8.2	20	13		
(S) Dibromofluoromethane			127		
(S) Toluene-d8			107		
(S) 4-Bromofluorobenzene			99.5		

Work Order:	2107137	Prep Method:	5035GRO	Prep Date:	07/20/21	Prep Batch:	1133459
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	7/20/2021	Analytical Batch:	458215
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
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TPH as Gasoline	43	100	ND		
(S) 4-Bromofluorobenzene			77.2		



MB Summary Report

Work Order:	2107137	Prep Method:	5035	Prep Date:	07/20/21	Prep Batch:	1133461
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	7/20/2021	Analytical Batch:	458218
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	1.2	10	ND		
Chloromethane	1.8	10	ND		
Vinyl Chloride	2.0	10	ND		
Bromomethane	2.7	10	ND		
Chloroethane	3.0	10	ND		
Trichlorofluoromethane	2.1	10	ND		
1,1-Dichloroethene	2.0	10	ND		
Freon 113	1.9	10	ND		
Methylene Chloride	7.1	10	ND		
trans-1,2-Dichloroethene	2.1	10	ND		
MTBE	2.3	10	ND		
TBA	12	50	ND		
Diisopropyl ether	2.3	10	ND		
1,1-Dichloroethane	2.2	10	ND		
Ethyl tert-Butyl ether	2.3	10	ND		
cis-1,2-Dichloroethene	2.2	10	ND		
2,2-Dichloropropane	1.9	10	ND		
Bromochloromethane	2.3	10	ND		
Chloroform	2.4	10	ND		
Carbon Tetrachloride	2.1	10	ND		
1,1,1-Trichloroethane	2.1	10	ND		
1,1-Dichloropropene	2.0	10	ND		
Benzene	2.2	10	ND		
TAME	2.3	10	ND		
1,2-Dichloroethane	2.3	10	ND		
Trichloroethylene	1.8	10	ND		
Dibromomethane	1.8	10	ND		
1,2-Dichloropropane	1.9	10	ND		
Bromodichloromethane	2.0	10	ND		
cis-1,3-Dichloropropene	1.6	10	ND		
Toluene	1.8	10	ND		
Tetrachloroethene	1.7	10	ND		
trans-1,3-Dichloropropene	1.6	10	ND		
1,1,2-Trichloroethane	1.8	10	ND		
Dibromochloromethane	1.9	10	ND		
1,3-Dichloropropane	1.8	10	ND		
1,2-Dibromoethane	1.8	10	ND		
Chlorobenzene	1.8	10	ND		
Ethylbenzene	1.7	10	ND		
1,1,1,2-Tetrachloroethane	1.9	10	ND		
m,p-Xylene	3.2	10	ND		
o-Xylene	1.7	10	ND		
Styrene	1.6	10	ND		
Bromoform	1.7	10	ND		
Isopropyl Benzene	1.6	10	ND		



MB Summary Report

Work Order:	2107137	Prep Method:	5035	Prep Date:	07/20/21	Prep Batch:	1133461
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	7/20/2021	Analytical Batch:	458218
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
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n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	ND	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	ND	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	ND	
1,2,4-Trichlorobenzene	1.5	10	ND	
Naphthalene	1.7	10	ND	
1,2,3-Trichlorobenzene	1.7	10	ND	
2-Butanone	2.3	10	ND	
MIBK	2.0	50	ND	
Hexachloroethane	5.0	10	ND	
1,4-Dioxane	100	200	ND	
2-Hexanone	5.0	20	ND	
Acetone	8.2	20	ND	
(S) Dibromofluoromethane			74.6	
(S) Toluene-d8			97.0	
(S) 4-Bromofluorobenzene			93.0	

Work Order:	2107137	Prep Method:	5035GRO	Prep Date:	07/20/21	Prep Batch:	1133462
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	7/20/2021	Analytical Batch:	458218
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
TPH as Gasoline	43	100	83		
(S) 4-Bromofluorobenzene			110		



MB Summary Report

Work Order:	2107137	Prep Method:	5035	Prep Date:	07/21/21	Prep Batch:	1133477
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	7/21/2021	Analytical Batch:	458243
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	1.2	10	ND		
Chloromethane	1.8	10	ND		
Vinyl Chloride	2.0	10	ND		
Bromomethane	2.7	10	ND		
Chloroethane	3.0	10	ND		
Trichlorofluoromethane	2.1	10	ND		
1,1-Dichloroethene	2.0	10	ND		
Freon 113	1.9	10	ND		
Methylene Chloride	7.1	10	ND		
trans-1,2-Dichloroethene	2.1	10	ND		
MTBE	2.3	10	ND		
TBA	12	50	ND		
Diisopropyl ether	2.3	10	ND		
1,1-Dichloroethane	2.2	10	ND		
Ethyl tert-Butyl ether	2.3	10	ND		
cis-1,2-Dichloroethene	2.2	10	ND		
2,2-Dichloropropane	1.9	10	ND		
Bromochloromethane	2.3	10	ND		
Chloroform	2.4	10	ND		
Carbon Tetrachloride	2.1	10	ND		
1,1,1-Trichloroethane	2.1	10	ND		
1,1-Dichloropropene	2.0	10	ND		
Benzene	2.2	10	ND		
TAME	2.3	10	ND		
1,2-Dichloroethane	2.3	10	ND		
Trichloroethylene	1.8	10	ND		
Dibromomethane	1.8	10	ND		
1,2-Dichloropropane	1.9	10	ND		
Bromodichloromethane	2.0	10	ND		
cis-1,3-Dichloropropene	1.6	10	ND		
Toluene	1.8	10	ND		
Tetrachloroethene	1.7	10	ND		
trans-1,3-Dichloropropene	1.6	10	ND		
1,1,2-Trichloroethane	1.8	10	ND		
Dibromochloromethane	1.9	10	6.0		
1,3-Dichloropropane	1.8	10	ND		
1,2-Dibromoethane	1.8	10	ND		
Chlorobenzene	1.8	10	ND		
Ethylbenzene	1.7	10	ND		
1,1,1,2-Tetrachloroethane	1.9	10	ND		
m,p-Xylene	3.2	10	ND		
o-Xylene	1.7	10	ND		
Styrene	1.6	10	ND		
Bromoform	1.7	10	8.4		
Isopropyl Benzene	1.6	10	ND		



MB Summary Report

Work Order:	2107137	Prep Method:	5035	Prep Date:	07/21/21	Prep Batch:	1133477
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	7/21/2021	Analytical Batch:	458243
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
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n-Propylbenzene	1.6	10	ND	
Bromobenzene	1.8	10	ND	
1,1,2,2-Tetrachloroethane	1.9	10	9.2	
2-Chlorotoluene	1.8	10	ND	
1,3,5-Trimethylbenzene	1.6	10	ND	
1,2,3-Trichloropropane	1.9	10	ND	
4-Chlorotoluene	1.6	10	ND	
tert-Butylbenzene	1.6	10	ND	
1,2,4-Trimethylbenzene	1.4	10	ND	
sec-Butyl Benzene	1.6	10	ND	
p-Isopropyltoluene	1.5	10	ND	
1,3-Dichlorobenzene	1.7	10	ND	
1,4-Dichlorobenzene	1.7	10	ND	
n-Butylbenzene	1.5	10	ND	
1,2-Dichlorobenzene	1.8	10	ND	
1,2-Dibromo-3-Chloropropane	1.8	10	ND	
Hexachlorobutadiene	1.4	10	1.9	
1,2,4-Trichlorobenzene	1.5	10	1.9	
Naphthalene	1.7	10	2.2	
1,2,3-Trichlorobenzene	1.7	10	2.2	
2-Butanone	2.3	10	ND	
MIBK	2.0	50	ND	
Hexachloroethane	5.0	10	ND	
1,4-Dioxane	100	200	ND	
2-Hexanone	5.0	20	ND	
Acetone	8.2	20	ND	
(S) Dibromofluoromethane			79.0	
(S) Toluene-d8			101	
(S) 4-Bromofluorobenzene			95.4	

Work Order:	2107137	Prep Method:	WET/3010B	Prep Date:	08/10/21	Prep Batch:	1134092
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	8/10/2021	Analytical Batch:	458826
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
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Chromium (STLC)	0.010	0.20	0.015	
Lead (STLC)	0.050	0.20	ND	



MB Summary Report

Work Order:	2107137	Prep Method:	1311/3010B	Prep Date:	08/11/21	Prep Batch:	1134149
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	8/11/2021	Analytical Batch:	458881
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Lead (TCLP)	0.050	0.20	ND		



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2107137	Prep Method:	3546_BNA	Prep Date:	07/19/21	Prep Batch:	1133392
Matrix:	Soil	Analytical Method:	SW8270C	Analyzed Date:	7/19/2021	Analytical Batch:	458182
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Phenol	43.8	288	ND	1600	89.1	83.6	6.50	40 - 100	30	
2-Chlorophenol	47.7	288	ND	1600	78.6	75.0	4.88	45 - 105	30	
Bis(2-chloroethyl)ether	14.6	144	ND	800	73.3	69.5	5.25	35 - 105	30	
N-nitroso-di-n-propylamine	13.2	144	ND	1600	83.5	75.1	11.0	40 - 115	30	
1,2,4-Trichlorobenzene	11.8	144	ND	800	70.0	69.4	0.897	45 - 110	30	
1,4-Dichlorobenzene	33.8	288	ND	1600	84.0	83.7	0.000	45 - 110	30	
Acenaphthene	10.7	144	ND	800	83.6	82.3	1.66	45 - 110	30	
4-Nitrophenol	54.7	720	ND	1600	96.7	94.8	1.95	15 - 140	30	
2,4-Dinitrotoluene	12.1	144	ND	800	92.6	94.6	2.14	50 - 115	30	
N-Methyl-2-Pyrrolidone (NMP)	12.0	144	ND	1600	78.6	82.3	4.65	25 - 120	30	
Pyrene	12.0	144		800	83.3	84.7	1.79	45 - 145	30	
2-Fluorophenol (S)				22200	90.0	82.0		25 - 121		
Phenol-d6 (S)				22200	94.1	85.7		24 - 113		
2,4,6-Tribromophenol (S)				22200	102	105		19 - 122		
2-Fluorobiphenyl (S)				11100	88.4	85.6		30 - 143		
Nitrobenzene-d5 (S)				11100	84.4	77.5		23 - 120		
p-Terphenyl-d14 (S)				11100	89.6	90.0		18 - 137		

Work Order:	2107137	Prep Method:	3050B	Prep Date:	07/19/21	Prep Batch:	1133404
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	7/20/2021	Analytical Batch:	458191
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	0.080	50	101	99.8	1.20	80 - 120	30	
Arsenic	0.15	1.30	0.15	50	100	99.1	0.803	80 - 120	30	
Barium	0.055	5.00	0.065	50	104	103	0.966	80 - 120	30	
Beryllium	0.055	5.00	ND	50	104	102	1.94	80 - 120	30	
Cadmium	0.10	5.00	ND	50	102	101	0.985	80 - 120	30	
Chromium	0.075	5.00	ND	50	105	104	0.957	80 - 120	30	
Cobalt	0.070	5.00	ND	50	104	103	0.966	80 - 120	30	
Copper	0.20	5.00	ND	50	106	105	0.948	80 - 120	30	
Lead	0.10	3.00	0.11	50	104	103	0.966	80 - 120	30	
Molybdenum	0.050	5.00	0.11	50	106	105	0.948	80 - 120	30	
Nickel	0.50	5.00	ND	50	103	102	0.976	80 - 120	30	
Selenium	0.22	5.00	ND	50	92.8	91.7	1.08	80 - 120	30	
Silver	0.15	5.00	ND	50	101	100	0.995	80 - 120	30	
Thallium	0.20	5.00	ND	50	103	102	0.976	80 - 120	30	
Vanadium	0.10	5.00	0.10	50	104	103	0.966	80 - 120	30	
Zinc	0.30	5.00	ND	50	101	100	0.995	80 - 120	30	



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2107137	Prep Method:	3050B	Prep Date:	07/19/21	Prep Batch:	1133406
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	7/20/2021	Analytical Batch:	458190
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	ND	50	98.6	98.4	0.203	80 - 120	30	
Arsenic	0.15	1.30	0.15	50	97.6	97.5	0.000	80 - 120	30	
Barium	0.055	5.00	0.055	50	102	102	0.000	80 - 120	30	
Beryllium	0.055	5.00	ND	50	101	101	0.000	80 - 120	30	
Cadmium	0.10	5.00	ND	50	100	100	0.000	80 - 120	30	
Chromium	0.075	5.00	0.10	50	102	102	0.000	80 - 120	30	
Cobalt	0.070	5.00	ND	50	102	102	0.000	80 - 120	30	
Copper	0.20	5.00	ND	50	104	103	0.966	80 - 120	30	
Lead	0.10	3.00	0.11	50	101	101	0.000	80 - 120	30	
Molybdenum	0.050	5.00	0.14	50	104	104	0.000	80 - 120	30	
Nickel	0.50	5.00	ND	50	101	101	0.000	80 - 120	30	
Selenium	0.22	5.00	0.25	50	90.5	90.6	0.000	80 - 120	30	
Silver	0.15	5.00	ND	50	99.1	99.7	0.603	80 - 120	30	
Thallium	0.20	5.00	ND	50	100	100	0.000	80 - 120	30	
Vanadium	0.10	5.00	ND	50	102	102	0.000	80 - 120	30	
Zinc	0.30	5.00	ND	50	99.4	99.2	0.201	80 - 120	30	

Work Order:	2107137	Prep Method:	7471BP	Prep Date:	07/19/21	Prep Batch:	1133407
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	7/20/2021	Analytical Batch:	458183
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	109	111	0.727	80 - 120	30	

Work Order:	2107137	Prep Method:	7471BP	Prep Date:	07/19/21	Prep Batch:	1133408
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	7/20/2021	Analytical Batch:	458178
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	112	104	7.41	80 - 120	30	



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2107137	Prep Method:	3546_OCP	Prep Date:	07/19/21	Prep Batch:	1133411
Matrix:	Soil	Analytical Method:	SW8081B	Analyzed Date:	7/19/2021	Analytical Batch:	458158
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.16	2.0	ND	40	86.8	87.5	0.861	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	91.6	92.5	0.814	40 - 130	30	
Aldrin	0.20	2.0	ND	40	87.8	88.2	0.568	25 - 140	30	
Dieldrin	0.15	2.0	ND	40	89.2	89.8	0.559	60 - 130	30	
Endrin	0.19	2.0	ND	40	92.6	93.0	0.269	55 - 135	30	
4,4'-DDT	0.13	2.0	ND	40	92.8	93.4	0.805	45 - 140	30	
Tetrachloro-M-Xylene (S)				100	85.6	83.8		48 - 125		
Decachlorobiphenyl (S)				100	78.7	78.0		38 - 135		

Work Order:	2107137	Prep Method:	3546_PCB	Prep Date:	07/19/21	Prep Batch:	1133419
Matrix:	Soil	Analytical Method:	SW8082A	Analyzed Date:	7/20/2021	Analytical Batch:	458204
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Aroclor1016	53	100	ND	600	99.7	101	1.16	25 - 145	30	
Aroclor1260	36	100	ND	600	102	102	0.000	30 - 145	30	
TCMX (S)				0.10	93.0	95.0		48 - 125		
DCBP (S)				0.10	91.0	92.0		48 - 135		

Work Order:	2107137	Prep Method:	3546_TPH	Prep Date:	07/20/21	Prep Batch:	1133424
Matrix:	Soil	Analytical Method:	SW8015B	Analyzed Date:	7/20/2021	Analytical Batch:	458235
Units:	mg/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	0.85	2.0	ND	25.0	75.7	66.7	12.4	52 - 115	30	
Pentacosane (S)				200	91.3	82.9		45 - 130		



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2107137	Prep Method:	3546_OCP	Prep Date:	07/20/21	Prep Batch:	1133433
Matrix:	Soil	Analytical Method:	SW8081B	Analyzed Date:	7/20/2021	Analytical Batch:	458213
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
gamma-BHC (Lindane)	0.16	2.0	ND	40	90.4	91.6	1.10	25 - 135	30	
Heptachlor	0.11	2.0	ND	40	97.0	98.2	1.28	40 - 130	30	
Aldrin	0.20	2.0	ND	40	90.2	90.2	0.000	25 - 140	30	
Dieldrin	0.15	2.0	ND	40	97.2	92.7	4.74	60 - 130	30	
Endrin	0.19	2.0	ND	40	91.8	95.0	3.48	55 - 135	30	
4,4'-DDT	0.13	2.0	ND	40	87.8	88.6	0.851	45 - 140	30	
Tetrachloro-M-Xylene (S)				100	82.3	83.0		48 - 125		
Decachlorobiphenyl (S)				100	88.1	80.9		38 - 135		

Work Order:	2107137	Prep Method:	5035	Prep Date:	07/20/21	Prep Batch:	1133458
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	7/20/2021	Analytical Batch:	458215
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	86.5	88.1	1.83	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	94.6	97.0	2.51	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	94.7	97.9	3.12	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	105	113	7.72	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	99.7	105	5.27	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	101	103		59.8 - 148		
(S) Toluene-d8				50.0	102	112		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	97.2	99.9		55.8 - 141		

Work Order:	2107137	Prep Method:	5035GRO	Prep Date:	07/20/21	Prep Batch:	1133459
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	7/21/2021	Analytical Batch:	458215
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Gasoline	43	100	ND	1000	89.7	98.0	8.84	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	92.3	92.2		43.9 - 127		



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2107137	Prep Method:	5035	Prep Date:	07/20/21	Prep Batch:	1133461
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	7/20/2021	Analytical Batch:	458218
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	85.5	94.4	10.0	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	108	112	3.09	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	102	105	3.08	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	111	113	1.96	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	108	109	0.918	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	83.5	89.9		59.8 - 148		
(S) Toluene-d8				50.0	99.3	97.8		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	99.7	100		55.8 - 141		

Work Order:	2107137	Prep Method:	5035GRO	Prep Date:	07/20/21	Prep Batch:	1133462
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	7/20/2021	Analytical Batch:	458218
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Gasoline	43	100	83	1000	118	120	1.68	48.2 - 132	30	
(S) 4-Bromofluorobenzene				50	109	110		43.9 - 127		

Work Order:	2107137	Prep Method:	5035	Prep Date:	07/21/21	Prep Batch:	1133477
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	7/21/2021	Analytical Batch:	458243
Units:	ug/Kg						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50.0	95.6	98.9	3.49	53.7 - 139	30	
Benzene	2.2	10	ND	50.0	111	115	3.37	66.5 - 135	30	
Trichloroethylene	1.8	10	ND	50.0	105	113	7.54	57.5 - 150	30	
Toluene	1.8	10	ND	50.0	114	117	2.76	56.8 - 134	30	
Chlorobenzene	1.8	10	ND	50.0	109	115	4.99	57.4 - 134	30	
(S) Dibromofluoromethane				50.0	86.6	93.6		59.8 - 148		
(S) Toluene-d8				50.0	110	113		55.2 - 133		
(S) 4-Bromofluorobenzene				50.0	101	106		55.8 - 141		

Work Order:	2107137	Prep Method:	WET/3010B	Prep Date:	08/10/21	Prep Batch:	1134092
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	8/10/2021	Analytical Batch:	458826
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Chromium (STLC)	0.010	0.20	0.015	10	96.6	90.9	6.08	80 - 120	20	
Lead (STLC)	0.050	0.20	ND	10	96.4	90.9	5.87	80 - 120	20	



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2107137	Prep Method:	1311/3010B	Prep Date:	08/11/21	Prep Batch:	1134149
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	8/11/2021	Analytical Batch:	458881
Units:	mg/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (TCLP)	0.050	0.20	ND	10	101	98.5	2.51	80 - 120	20	



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2107137	Prep Method:	3050B	Prep Date:	07/19/21	Prep Batch:	1133404
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	7/20/2021	Analytical Batch:	458191
Spiked Sample:	2107137-005A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Antimony	0.050	5.00	ND	50	88.2	85.6	2.99	30.7 - 130	30	
Arsenic	0.15	1.30	3.02	50	92.7	90.8	2.05	71.0 - 121	30	
Barium	0.055	5.00	59.0	50	33.0	43.0	6.41	70.2 - 130	30	S
Beryllium	0.055	5.00	ND	50	101	98.4	2.40	73.3 - 115	30	
Cadmium	0.10	5.00	ND	50	95.6	93.1	2.53	80.0 - 110	30	
Chromium	0.075	5.00	8.75	50	93.5	91.5	1.82	76.0 - 116	30	
Cobalt	0.070	5.00	7.85	50	94.3	92.3	1.83	57.4 - 122	30	
Copper	0.20	5.00	39.8	50	109	109	0.000	74.8 - 119	30	
Lead	0.10	3.00	5.95	50	90.1	87.0	2.99	57.9 - 118	30	
Molybdenum	0.050	5.00	ND	50	99.1	96.7	2.43	62.9 - 123	30	
Nickel	0.50	5.00	8.35	50	92.3	90.3	1.85	61.5 - 122	30	
Selenium	0.22	5.00	ND	50	88.9	86.7	2.49	62.0 - 111	30	
Silver	0.15	5.00	ND	50	104	102	1.94	75 - 125	30	
Thallium	0.20	5.00	ND	50	85.6	83.1	2.84	39.2 - 125	30	
Vanadium	0.10	5.00	48.1	50	87.8	90.8	1.62	65.8 - 122	30	
Zinc	0.30	5.00	27.8	50	82.4	77.4	3.69	59.9 - 122	30	

Work Order:	2107137	Prep Method:	7471BP	Prep Date:	07/19/21	Prep Batch:	1133408
Matrix:	Soil	Analytical Method:	SW7471B	Analyzed Date:	7/20/2021	Analytical Batch:	458178
Spiked Sample:	2107137-005A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Mercury	0.047	0.50	ND	1.25	63.6	62.9	1.11	75 - 125	30	S

Work Order:	2107137	Prep Method:	3546_PCB	Prep Date:	07/19/21	Prep Batch:	1133419
Matrix:	Soil	Analytical Method:	SW8082A	Analyzed Date:	7/21/2021	Analytical Batch:	458204
Spiked Sample:	2107137-012A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Aroclor1016	53.0	100	ND	600	75.7	85.0	11.6	25 - 145	30	
Aroclor1260	36.0	100	ND	600	74.2	83.3	11.6	30 - 145	30	
TCMX (S)				0.10	68.0	78.0		48 - 125		
DCBP (S)				0.10	67.0	75.0		48 - 135		



MS/MSD Summary Report

Raw values are used in quality control assessment.

Work Order:	2107137	Prep Method:	3546_TPH	Prep Date:	07/20/21	Prep Batch:	1133424
Matrix:	Soil	Analytical Method:	SW8015B	Analyzed Date:	7/21/2021	Analytical Batch:	458236
Spiked Sample:	2107137-012A						
Units:	mg/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH as Diesel	3.40	8.00	16.1	25.0	76.1	59.0	12.7	52 - 115	30	
Pentacosane (S)				50.0	77.5	75.3		45 - 130		

Work Order:	2107137	Prep Method:	5035	Prep Date:	07/20/21	Prep Batch:	1133461
Matrix:	Soil	Analytical Method:	SW8260B	Analyzed Date:	7/20/2021	Analytical Batch:	458218
Spiked Sample:	2107137-012A						
Units:	ug/Kg						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	2.0	10	ND	50	71.6	74.6	4.10	55 - 125	30	
Benzene	2.2	10	ND	50	98.2	103	5.16	55 - 125	30	
Trichloroethylene	1.8	10	ND	50	87.8	94.5	7.24	55 - 125	30	
Toluene	1.8	10	ND	50	103	106	2.48	55 - 125	30	
Chlorobenzene	1.8	10	ND	50	98.8	101	2.60	55 - 125	30	
(S) Dibromofluoromethane				50	74.9	80.6		59.8 - 148		
(S) Toluene-d8				50	106	98.1		55.2 - 133		
(S) 4-Bromofluorobenzene				50	99.3	93.1		55.8 - 141		

Work Order:	2107137	Prep Method:	WET/3010B	Prep Date:	08/10/21	Prep Batch:	1134092
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	8/10/2021	Analytical Batch:	458826
Spiked Sample:	2107137-008A						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Chromium (STLC)	0.0100	0.200	1.27	10	92.3	93.3	0.948	75 - 125	20	

Work Order:	2107137	Prep Method:	1311/3010B	Prep Date:	08/11/21	Prep Batch:	1134149
Matrix:	Soil	Analytical Method:	SW6010B	Analyzed Date:	8/11/2021	Analytical Batch:	458881
Spiked Sample:	2107137-012A						
Units:	mg/L						

Parameters	MDL	PQL	Sample Conc.	Spike Conc.	MS % Recovery	MSD % Recovery	MS/MSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
Lead (TCLP)	0.0500	0.200	ND	10	100	98.8	1.60	75 - 125	20	



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit/Reporting Limit/Limit of Quantitation (PQL/RL/LOQ) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs/RRLs/LODs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - mg/L and mg/Kg (equivalent to PPM - parts per million in liquid and solid), ug/L and ug/Kg (equivalent to PPB - parts per billion in liquid and solid), ug/m3 , mg/m3 , ppbv and ppmv (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), ug/Wipe (concentration found on the surface of a single Wipe usually taken over a 100cm ² surface)

LABORATORY QUALIFIERS:

B - Indicates when the analyte is found in the associated method or preparation blank
D - Surrogate is not recoverable due to the necessary dilution of the sample
E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.
H - Indicates that the recommended holding time for the analyte or compound has been exceeded
J - Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather than quantitative
NA - Not Analyzed
N/A - Not Applicable
ND - Not Detected at a concentration greater than the PQL/RL or, if reported to the MDL, at greater than the MDL.
NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added
R - The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts
S - Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative
X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.



Sample Receipt Checklist

Client Name: Langan

Date and Time Received: 7/16/2021 4:45:00PM

Project Name: 620 Burlingame Boulevard

Received By: Katherene Evans

Work Order No.: 2107137

Physically Logged By: Helena Ueng

Checklist Completed By: Helena Ueng

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present?	<u>Yes</u>
Chain of custody signed when relinquished and received?	<u>Yes</u>
Chain of custody agrees with sample labels?	<u>Yes</u>
Custody seals intact on sample bottles?	<u>Not Present</u>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	<u>Not Present</u>
Shipping Container/Cooler In Good Condition?	<u>Yes</u>
Samples in proper container/bottle?	<u>Yes</u>
Samples containers intact?	<u>Yes</u>
Sufficient sample volume for indicated test?	<u>Yes</u>

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	<u>Yes</u>
Container/Temp Blank temperature in compliance?	Temperature: 16.0 °C
Water-VOA vials have zero headspace?	<u>No VOA vials submitted</u>
Water-pH acceptable upon receipt?	<u>N/A</u>
pH Checked by: N/A	pH Adjusted by: N/A

Comments:

Samples transported on ice



Login Summary Report

Client ID: TL5493 **Langan** **QC Level:** II
Project Name: 620 Burlingame Boulevard **TAT Requested:** 3 Day Std:3
Project #: 731757301 **Date Received:** 7/16/2021
Report Due Date: 8/11/2021 **Time Received:** 4:45 pm

Comments:

Work Order # : **2107137**

WO Sample ID	Client Sample ID	Collection Date/Time	Matrix	Scheduled Disposal	Sample On Hold	Test On Hold	Requested Tests	Subbed
2107137-001A	MW-1-1.25	07/14/21	Soil	01/10/22			Hg_S_7471B EDD Sub_Asb CARB435 A Yes VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull Pest_S_8081OCP PCBs_S_8082A Met_S_6010B CAM17	
2107137-002A	MW-1-6.5	07/14/21	Soil	01/10/22			Hg_S_7471B VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull Sub_Asb CARB435 A Yes Pest_S_8081OCP PCBs_S_8082A Met_S_6010B CAM17	
2107137-003A	MW-2-2.5	07/14/21	Soil	01/10/22			Hg_S_7471B VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull Sub_Asb CARB435 A Yes Pest_S_8081OCP PCBs_S_8082A Met_S_6010B CAM17	
2107137-004A	MW-2-4.25	07/14/21	Soil	01/10/22			Hg_S_7471B VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull Sub_Asb CARB435 A Yes	



Login Summary Report

Client ID: TL5493 **QC Level:** II
Project Name: 620 Burlingame Boulevard **TAT Requested:** 3 Day Std:3
Project #: 731757301 **Date Received:** 7/16/2021
Report Due Date: 8/11/2021 **Time Received:** 4:45 pm

Comments:

Work Order # : **2107137**

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
2107137-005A	ES-1-1.5	07/14/21	Soil	01/10/22			Pest_S_8081OCP PCBs_S_8082A Met_S_6010B CAM17 Hg_S_7471B VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull Sub_Asb CARB435 A Yes Pest_S_8081OCP PCBs_S_8082A Met_S_6010B CAM17	
2107137-006A	ES-1-2.5	07/14/21	Soil	01/10/22			Hg_S_7471B VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull Sub_Asb CARB435 A Yes Pest_S_8081OCP PCBs_S_8082A Met_S_6010B CAM17	
2107137-007A	ES-2-2.0	07/14/21	Soil	01/10/22			Hg_S_7471B VOC_S_GRO VOC_S_8260B TPHDO_S_8015(Mod) SVO_S_8270CFull Sub_Asb CARB435 A Yes Pest_S_8081OCP PCBs_S_8082A Met_S_6010B CAM17	
2107137-008A	ES-2-4.5	07/14/21	Soil	01/10/22			Hg_S_7471B Met_S_6010B CAM17 PCBs_S_8082A Pest_S_8081OCP Sub_Asb CARB435 A Yes	



Login Summary Report

Client ID: TL5493 **QC Level:** II
Project Name: 620 Burlingame Boulevard **TAT Requested:** 3 Day Std:3
Project #: 731757301 **Date Received:** 7/16/2021
Report Due Date: 8/11/2021 **Time Received:** 4:45 pm

Comments:

Work Order #: **2107137**

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
2107137-009A	ES-3-1.5	07/14/21	Soil	01/10/22			SVO_S_8270CFull TPHDO_S_8015(Mod) VOC_S_8260B VOC_S_GRO Met_S_CAM17STLC	
2107137-010A	ES-3-3.0	07/14/21	Soil	01/10/22			Hg_S_7471B Met_S_6010B CAM17 PCBs_S_8082A Pest_S_8081OCP Sub_Asb CARB435 A Yes SVO_S_8270CFull TPHDO_S_8015(Mod) VOC_S_8260B VOC_S_GRO Met_S_CAM17STLC	
2107137-011A	ES-4-1.5	07/14/21	Soil	01/10/22			Hg_S_7471B Met_S_6010B CAM17 PCBs_S_8082A Pest_S_8081OCP Sub_Asb CARB435 A Yes SVO_S_8270CFull TPHDO_S_8015(Mod) VOC_S_8260B VOC_S_GRO Met_S_CAM17STLC	



Login Summary Report

Client ID: TL5493 Langan **QC Level:** II
Project Name: 620 Burlingame Boulevard **TAT Requested:** 3 Day Std:3
Project #: 731757301 **Date Received:** 7/16/2021
Report Due Date: 8/11/2021 **Time Received:** 4:45 pm

Comments:

Work Order # : **2107137**

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
2107137-012A	ES-4-3.0	07/14/21	Soil	01/10/22			Hg_S_7471B Met_S_6010B CAM17 PCBs_S_8082A Pest_S_8081OCP Sub_Asb CARB435 A Yes SVO_S_8270CFull TPHDO_S_8015(Mod) VOC_S_8260B VOC_S_GRO Met_S_CAM17STLC Met_S_CAM17TCLP	



14170

LANGAN

CHAIN OF CUSTODY RECORD

Page 1 of 1

2107137

Site Name: 620 Puenteame Boulevard
 Job Number: 731757301
 Project Manager/Contact: PCysack
 Samplers: A Breakat
 Recorder (Signature Required): Peter J. Lueck

555 Montgomery Street, Suite 1300, San Francisco, CA 94111
 501 14th Street, Third Floor, Oakland, CA 94612
 3320 Data Drive, Suite 350, Rancho Cordova, CA 95670-7982
 1 Almaden Boulevard, Suite 590, San Jose, CA 95113

TPHd + Mo
TPHd + VOCs
VOCs
Specific to RJS
CAN 17 Metals
Asbestos by Chrys

Turnaround Time
Normal

Field Sample Identification No.	Date	Time	Lab Sample No.	Matrix							No. Containers & Preservative	Analysis Requested			Silica gel clean-up Hold	Remarks
				Soil	Water	Air	Other	HCl	H ₂ SO ₄	HNO ₃						
MW-1-1.5	7/14/21			X						X		X X	X X	X X		-001A
MW-1-6.5	7/14/21			X						X		X Y	X X	X X		-002A
MW-2-2.5	7/14/21			X						X		X X	X X	X X		-003A
MW-2-4.25	7/14/21			X						X		X X	X X	X X		-004A
ES-1-1.5	7/14/21			X						X		X X	X X	X X		-005A
ES-1-3.5	7/14/21			X						X		X X	X X	X X		-006A
ES-2-2.0	7/14/21			X						X		X X	X X	X X		-007A
ES-2-4.5	7/14/21			X						X		X X	X X	X X		-008A
ES-3-1.5	7/14/21			X						X		X X	X X	X X		-009A
ES-3-3.0	7/14/21			X						X		X X	X X	X X		-010A
ES-4-1.5	7/14/21			X						X		X X	X X	X X		-011A
ES-4-3.0	7/14/21			X						X		X X	X X	X X		-012A
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:											
<u>Mulda Patel</u>	<u>07/16/2021</u>	<u>16:45</u>	<u>Karne Evans</u>	<u>7-16-21</u>	<u>16:45</u>											
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:											
Relinquished by: (Signature)	Date:	Time:	Received by Lab: (Signature)	Date:	Time:											
Sent to Laboratory (Name): <u>Torrent</u>			Method of Shipment	<input type="checkbox"/>	Lab courier	<input type="checkbox"/>	Fed Ex	<input type="checkbox"/>	Airborne	<input type="checkbox"/>	UPS					
Laboratory Comments/Notes:			Hand Carried	<input checked="" type="checkbox"/>	Private Courier (Co. Name)											

White Copy - Original

Yellow Copy - Laboratory

Pink Copy - Field

COC Number:

16°C #2 D/Off



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Phone/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / sanleandrolab@emsl.com

EMSL Order: 092110979

Customer ID: TORR80

Customer PO: 2107137

Project ID:

Attention: Kathie Evans

Torrent Laboratory, Inc.

483 Sinclair Frontage Rd.

Milpitas, CA 95035

Phone: (408) 263-5258

Fax: (408) 263-8293

Received: 07/20/2021 12:30 PM

Analysis Date: 07/27/2021

Collected: 07/14/2021

Project: 2107137

Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with CARB 435 Prep (Milling) Level A for 0.25% Target Analytical Sensitivity

Sample	Description	Appearance	<u>Non-Asbestos</u>	<u>Asbestos</u>
			% Fibrous	% Type
2107137-002A 092110979-0002	SOIL	Brown Non-Fibrous Homogeneous	100% Non-fibrous (Other)	None Detected
2107137-003A 092110979-0003	SOIL	Gray Non-Fibrous Homogeneous	100% Non-fibrous (Other)	None Detected
2107137-004A 092110979-0004	SOIL	Black Non-Fibrous Homogeneous	100% Non-fibrous (Other)	None Detected
2107137-005A 092110979-0005	SOIL	Black Non-Fibrous Homogeneous	100% Non-fibrous (Other)	None Detected
2107137-006A 092110979-0006	SOIL	Tan Non-Fibrous Homogeneous	100% Non-fibrous (Other)	None Detected
2107137-007A 092110979-0007	SOIL	Brown Non-Fibrous Homogeneous	100% Non-fibrous (Other)	None Detected
2107137-008A 092110979-0008	SOIL	Tan Non-Fibrous Homogeneous	100% Non-fibrous (Other)	None Detected
2107137-009A 092110979-0009	SOIL	Tan Non-Fibrous Homogeneous	100% Non-fibrous (Other)	<0.25%Chrysotile
2107137-010A 092110979-0010	SOIL	Tan Non-Fibrous Homogeneous	100% Non-fibrous (Other)	<0.25%Chrysotile
2107137-011A 092110979-0011	SOIL	Tan Non-Fibrous Homogeneous	100% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc San Leandro, CA

Initial report from: 07/27/2021 12:37:34

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EMSL Analytical, Inc.

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EMSL Order: 092110979

Customer ID: TORR80

Customer PO: 2107137

Project ID:

Attention: Kathie Evans
Torrent Laboratory, Inc.
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Milpitas, CA 95035

Phone: (408) 263-5258

Fax: (408) 263-8293

Received: 07/20/2021 12:30 PM

Analysis Date: 07/27/2021

Collected: 07/14/2021

Project: 2107137

Test Report: PLM Analysis of Bulk Samples for Asbestos via EPA 600/R-93/116 Method with CARB 435 Prep (Milling) Level A for 0.25% Target Analytical Sensitivity

Sample	Description	Appearance	% Fibrous	Non-Asbestos	Asbestos
					% Type
2107137-012A	SOIL	Tan		100% Non-fibrous (Other)	None Detected
092110979-0012		Non-Fibrous			
		Homogeneous			

Analyst(s)

David Nguyen (7)

Gavin Lee (4)

Cecilia Yu, Laboratory Manager
or other approved signatory

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