Appendix F5: Stockpile Sampling Results

Appendices

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TRANSMITTAL

To:	Mr. Joe Martin TH Trumark Homes, LLC	**Date:**	June 5, 2020
		Project No.:	16664.000.000
Project Name:	Former La Puerta School – 2475 Forbes Avenue, Claremont, California		
Subject:	**STOCKPILE SAMPLING RESULTS**		
Total Pages:	35 (including this page)		

Field sampling activities were performed on May 27, 2020. An ENGEO representative collected two soil samples from the on-site stockpile material with an approximate volume of 300 cubic yards. The material consists of soil imported from off-site; no staining or olfactory evidence was observed. As described below, the stockpiled material is environmentally suitable for residential use.

The soil samples were retrieved within clean 2-inch by 6-inch steel liners. Following recovery, the sample liners were sealed using Teflon® sheets secured by tight-fitting plastic end caps and tape. Upon collection, a label was placed on the sample that included a unique sample number, sample location, time/date collected, laboratory analysis and the sampler's identification. The soil samples were placed in an ice-cooled chest and submitted under documented chain-of-custody to a State-certified laboratory for the following analysis:

- Two discrete samples analyzed for total petroleum (TPH) -diesel and TPH-motor oil (EPA Method 8015 with silica gel cleanup), volatile organic compounds (VOCs) and TPH-g (EPA Method 8260), and semi-volatile organic compounds (SVOCs) (EPA Method 8270 SIM)
- One 2-point composite sample analyzed for organochlorine pesticides (OCPs) (EPA Method 8081), polychlorinated biphenyls (PCBs) (EPA Method 8082), and CAM-17 metals (EPA Method 6010/7471)

We compared laboratory test results to corresponding United States Environmental Protection Agency USEPA Regional Screening Levels (RSLs) for residential use[1] and Department of Substances Control Screening Levels (DTSC SLs) for residential use[2]. Each analyte was reported as non-detectable (below laboratory detection limits), with the exception of metals. The reported metal concentrations are below applicable residential screening levels and/or within typical background concentrations for the tested analytes. The laboratory analytical reports are attached in their entirety. The stockpiled material is environmentally suitable for residential use, and ENGEO recommends no further study at this time.

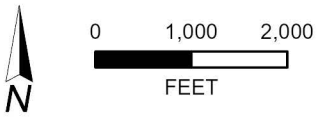
If you have any further questions, please contact us.

Attachments: Figures
Laboratory Analytical Reports

Prepared By: Adrianna Lundberg

Reviewed By: Shawn Munger, CHG

[1] Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs), for a residential land use scenario, May 2020.
[2] DTSC-Modified Screening Levels (DTSC-SLs) DTSC HERO Note 3 - : Department of Toxic Substances Control, Human and Ecological Risk Office Note 3 Screening Levels for Residential Soil (April 2019).



BASEMAP SOURCE: GOOGLE EARTH MAPPING SERVICE 2017

ENGEO Expect Excellence

VICINITY MAP

LA PUERTA STOCKPILE SAMPLING

CLAREMONT, CALIFORNIA

PROJECT NO. :	16664.000.000
SCALE:	AS SHOWN
DRAWN BY: JV	CHECKED BY: SPM

FIGURE NO. 1

PATH: G:\DRAFTING\DRAFTING2_DWG_13000 PLUS\14783\001\ESA_0620\14783_ESA.APRX
LAYOUT: VICINITY USER: JVERGARA

ORIGINAL FIGURE PRINTED IN COLOR

N

0 100 200

FEET

BASEMAP SOURCE: GOOGLE EARTH MAPPING SERVICE 2017

ENGEO Expect Excellence

SITE PLAN

LA PUERTA STOCKPILE SAMPLING

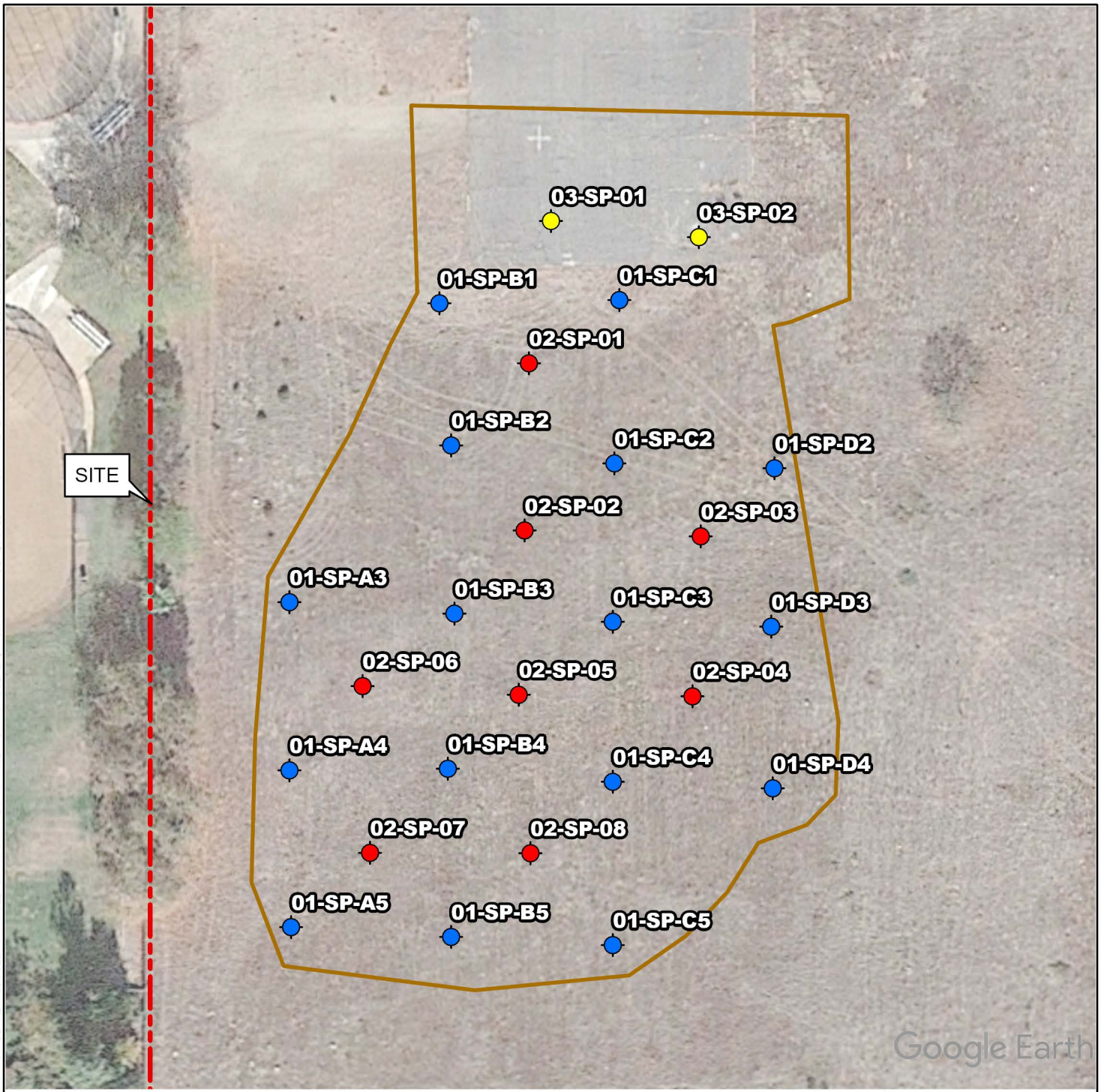
CLAREMONT, CALIFORNIA

PROJECT NO. :	16664.000.000
SCALE:	AS SHOWN
DRAWN BY: JV	CHECKED BY: SPM

FIGURE NO. 2

PATH: G:\DRAFTING\DRAFTING2_DWG_13000 PLUS\14783\001\ESA_0620\14783_ESA.APRX
LAYOUT: SITE PLAN USER: JVERGARA

ORIGINAL FIGURE PRINTED IN COLOR



N

0 25 50

FEET

EXPLANATION

ALL LOCATIONS ARE APPROXIMATE

- STOCKPILE
- STOCKPILE SOIL SAMPLE COLLECTED FROM 1' BGS (ENGEO, MAY 2020)
- STOCKPILE SOIL SAMPLE COLLECTED FROM 1' BGS (ENGEO, JANUARY 2020)
- STOCKPILE SOIL SAMPLE COLLECTED FROM 1' BGS (ENGEO, DECEMBER 2019)

BASEMAP SOURCE: GOOGLE EARTH MAPPING SERVICE 2017

ENGEO Expect Excellence

SAMPLE PLAN FOR EXISTING STOCKPILE

LA PUERTA STOCKPILE SAMPLING

CLAREMONT, CALIFORNIA

PROJECT NO. :	16664.000.000
SCALE:	AS SHOWN
DRAWN BY: JV	CHECKED BY: SPM

FIGURE NO. 3

PATH: G:\DRAFTING\DRAFTING2_DWG_13000 PLUS\14783\001\ESA_0620\14783_ESA.APRX
LAYOUT: SAMPLE PLAN USER: JVERGARA

ORIGINAL FIGURE PRINTED IN COLOR

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number:	428719
Report Level:	II
Report Date:	06/02/2020

Analytical Report *prepared for:*

Adrianna Lundberg
ENGEO
6 Morgan, Suite 162
Irvine, CA 92618-1922

Location: Former La Puerta School, Southwestern Stockpile

Authorized for release by:

Diane Galvan, Project Manager
714-771-9928
diane.galvan@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

ENTHALPY ANALYTICAL

Sample Summary

Adrianna Lundberg
ENGEO
6 Morgan, Suite 162
Irvine, CA 92618-1922

Lab Job #: 428719
Location: Former La Puerta School, Southwestern Stockpile
Date Received: 05/27/20

Sample ID	Lab ID	Collected	Matrix
03-SP-01	428719-001	05/27/20 08:30	Soil
03-SP-02	428719-002	05/27/20 08:35	Soil
2-PT COMPOSITE 03-SP-01,02	428719-003	05/27/20 00:00	Soil

ENTHALPY ANALYTICAL

Case Narrative

ENGEO	Lab Job Number: 428719
6 Morgan, Suite 162	Location: Former La Puerta School, Southwestern Stockpile
Irvine, CA 92618-1922	Date Received: 05/27/20
Adrianna Lundberg	

This data package contains sample and QC results for three soil samples, requested for the above referenced project on 05/27/20. The samples were received cold and intact.

Pesticides (EPA 8081A):

All samples underwent sulfur cleanup using the copper option in EPA Method 3660B. All samples underwent florisil cleanup using EPA Method 3620C. High recoveries were observed for 4,4'-DDE in the MS/MSD for batch 246646; the parent sample was not a project sample, the LCS was within limits, the associated RPD was within limits, and this analyte was not detected at or above the RL in the associated sample. No other analytical problems were encountered.

PCBs (EPA 8082):

All samples underwent sulfuric acid cleanup using EPA Method 3665A. All samples underwent sulfur cleanup using the copper option in EPA Method 3660B. High responses were observed for Aroclor-1016 and Aroclor-1260 in the CCV analyzed 06/01/20 08:51; affected data was qualified with "b". Low recoveries were observed for Aroclor-1260 in the MS/MSD for batch 246646; the parent sample was not a project sample, and the LCS was within limits. Response exceeding the instrument's linear range was observed for decachlorobiphenyl (PCB) in the method blank for batch 246646; affected data was qualified with "E". No other analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

Low recoveries were observed for barium, antimony, and zinc in the MS/MSD for batch 246673; the parent sample was not a project sample, the LCS was within limits, and the associated RPDs were within limits. No other analytical problems were encountered.

Detection Summary for 428719

Client: ENGEO
Location Former La Puerta School, Southwestern Stockpile

No detections for 03-SP-01, Lab ID 428719-001

No detections for 03-SP-02, Lab ID 428719-002

Sample ID: 2-PT COMPOSITE 03-SP-01,02 Lab ID: 428719-003

Analyte	Result	Flags	RL	Units	Basis	IDF	Method	Prep Method
Arsenic	2.0		0.86	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Barium	130		0.86	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Cadmium	0.73		0.43	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Chromium	16		0.86	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Cobalt	12		0.43	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Copper	17		0.86	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Lead	4.3		0.86	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Nickel	11		1.3	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Vanadium	38		0.43	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B
Zinc	43		4.3	mg/Kg	As Recd	1.000	EPA 6010B	EPA 3050B

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (Rush by advanced notice only)								
931 W. Barkley Ave., Orange, CA 92868		Lab No: 428719		Standard:	✔	4 Day:		3 Day:				
Phone: (714) 771-6900 Fax: (714) 538-1209		Page: 1 of 1		2 Day:		1 Day:		Same Day:				
Billing: Enthalpy Analytical		Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other		Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other								
1 Park Plaza, Suite 1000												
Irvine, CA 92614												

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	ENGEO	Name:	Former La Puerta School
Report To:	Adrianna Lundberg	Number:	Northern Area, Former Strucutres
Email:	alundberg@engeo.com	P.O. #:	16664.000.000
Address:	320 Goddard Way	Address:	2475 Forbes Ave
	Irvine, CA		Claremont, CA
Phone:	949.579.2268	Global ID:	
Fax:		Sampled By:	Jennifer Knipper

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	8270 SIM - SVOCs	8015 M - TPH-g, TPH-d, TPH-mo	8260 M - VOCs		8082 M - PCBs	6010/7147a - CAM-17 Metals	8081 M - Organochlorine pesticides (OCPs)				Test Instructions / Comments
1	03-SP-01	05/27/20	0830	soil	1 / 2x6	-	✔	✔	✔		/	/	/				2-pt composite for PCBs, OCPs, CAM-17 Metals
2	03-SP-02	05/27/20	0835	soil	1 / 2x6	-	✔	✔	✔		/	/	/				
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Jennifer Knipper	ENGEO / Staff Geologist	5/27/20 0935
1 Received By:		Fernando Diaz	ES	5/27/20 0935
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: ENGEO Project: _____

Date Received: 5/27/20 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 18.1 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.4 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

_____

_____

_____

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 5/27/20

MONTROSE ENVIRONMENTAL

Diane Galvan <diane.galvan@enthalpy.com>

RE: Former La Puerta School, Northern Area, Former Structures - Enthalpy (Orange) Login Summary (428719)

1 message

Adrianna Lundberg <ALundberg@engeo.com> Wed, May 27, 2020 at 5:48 PM
To: "diane.galvan@enthalpy.com" <diane.galvan@enthalpy.com>
Cc: Jennifer Knipper <JKnipper@engeo.com>

Hi Diane, can we please update the Site name to “Former La Puerta School, Southwestern Stockpile”.

Thank you,

Adrianna Lundberg

ENGEO Incorporated

949.949.6366

ENTHALPY ANALYTICAL

Analysis Results for 428719

Adrianna Lundberg
ENGEO
6 Morgan, Suite 162
Irvine, CA 92618-1922

Lab Job #: 428719
Location: Former La Puerta School, Southwestern Stockpile
Date Received: 05/27/20

Sample ID: 03-SP-01 **Lab ID: 428719-001** **Collected: 05/27/20 08:30**
Matrix: Soil

428719-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		mg/Kg	3.0	1	246670	05/28/20	05/28/20	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	100%		%REC	60-140	1	246670	05/28/20	05/28/20	EMW
Method: EPA 8015M Prep Method: EPA 3510C									
DRO C10-C28 (SGCU)	ND		mg/Kg	9.9	0.99	246641	05/28/20	06/01/20	MES
ORO C28-C44 (SGCU)	ND		mg/Kg	20	0.99	246641	05/28/20	06/01/20	MES
Surrogates				**Limits**					
n-Triacontane (SGCU)	101%		%REC	50-150	0.99	246641	05/28/20	06/01/20	MES
Method: EPA 8260B Prep Method: EPA 5030B									
3-Chloropropene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Freon 12	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Chloromethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Vinyl Chloride	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Bromomethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Chloroethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Trichlorofluoromethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Acetone	ND		ug/Kg	100	1	246602	05/28/20	05/28/20	LYZ
Freon 113	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Methylene Chloride	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
MTBE	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
2-Butanone	ND		ug/Kg	100	1	246602	05/28/20	05/28/20	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Chloroform	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Bromochloromethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Benzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 428719

428719-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Trichloroethene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Bromodichloromethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Dibromomethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Toluene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Tetrachloroethene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Dibromochloromethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Chlorobenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Ethylbenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
m,p-Xylenes	ND		ug/Kg	10	1	246602	05/28/20	05/28/20	LYZ
o-Xylene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Styrene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Bromoform	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Isopropylbenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Propylbenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Bromobenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
tert-Butylbenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
n-Butylbenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Naphthalene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Xylene (total)	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	103%		%REC	70-145	1	246602	05/28/20	05/28/20	LYZ

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 428719

428719-001 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1,2-Dichloroethane-d4	111%		%REC	70-145	1	246602	05/28/20	05/28/20	LYZ
Toluene-d8	100%		%REC	70-145	1	246602	05/28/20	05/28/20	LYZ
Bromofluorobenzene	101%		%REC	70-145	1	246602	05/28/20	05/28/20	LYZ
Method: EPA 8270C-SIM Prep Method: EPA 3550C									
1-Methylnaphthalene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
2-Methylnaphthalene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
Naphthalene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
Acenaphthylene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
Acenaphthene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
Fluorene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
Phenanthrene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
Anthracene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
Fluoranthene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
Pyrene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
Benzo(a)anthracene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
Chrysene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
Benzo(b)fluoranthene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
Benzo(k)fluoranthene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
Benzo(a)pyrene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	9.9	0.99	246709	05/29/20	05/29/20	TJW
Surrogates				**Limits**					
Nitrobenzene-d5	92%		%REC	27-125	0.99	246709	05/29/20	05/29/20	TJW
2-Fluorobiphenyl	92%		%REC	30-120	0.99	246709	05/29/20	05/29/20	TJW
Terphenyl-d14	89%		%REC	33-155	0.99	246709	05/29/20	05/29/20	TJW

ENTHALPY ANALYTICAL

Analysis Results for 428719

Sample ID: 03-SP-02	Lab ID: 428719-002	Collected: 05/27/20 08:35
	Matrix: Soil	

428719-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 8015B Prep Method: EPA 5030B									
TPH Gasoline	ND		mg/Kg	3.0	1	246670	05/28/20	05/28/20	EMW
Surrogates				**Limits**					
Bromofluorobenzene (FID)	100%		%REC	60-140	1	246670	05/28/20	05/28/20	EMW
Method: EPA 8015M Prep Method: EPA 3510C									
DRO C10-C28 (SGCU)	ND		mg/Kg	10	1	246641	05/28/20	06/01/20	MES
ORO C28-C44 (SGCU)	ND		mg/Kg	20	1	246641	05/28/20	06/01/20	MES
Surrogates				**Limits**					
n-Triacontane (SGCU)	96%		%REC	50-150	1	246641	05/28/20	06/01/20	MES
Method: EPA 8260B Prep Method: EPA 5030B									
3-Chloropropene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Freon 12	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Chloromethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Vinyl Chloride	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Bromomethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Chloroethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Trichlorofluoromethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Acetone	ND		ug/Kg	100	1	246602	05/28/20	05/28/20	LYZ
Freon 113	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,1-Dichloroethene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Methylene Chloride	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
MTBE	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,1-Dichloroethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
2-Butanone	ND		ug/Kg	100	1	246602	05/28/20	05/28/20	LYZ
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
2,2-Dichloropropane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Chloroform	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Bromochloromethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,1,1-Trichloroethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,1-Dichloropropene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Carbon Tetrachloride	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2-Dichloroethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Benzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Trichloroethene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2-Dichloropropane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Bromodichloromethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Dibromomethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ

T5-15

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 428719

428719-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Toluene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,1,2-Trichloroethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,3-Dichloropropane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Tetrachloroethene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Dibromochloromethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2-Dibromoethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Chlorobenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Ethylbenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
m,p-Xylenes	ND		ug/Kg	10	1	246602	05/28/20	05/28/20	LYZ
o-Xylene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Styrene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Bromoform	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Isopropylbenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Propylbenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Bromobenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
2-Chlorotoluene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
4-Chlorotoluene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
tert-Butylbenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
sec-Butylbenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
para-Isopropyl Toluene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,3-Dichlorobenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,4-Dichlorobenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
n-Butylbenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2-Dichlorobenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Hexachlorobutadiene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Naphthalene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Xylene (total)	ND		ug/Kg	5.0	1	246602	05/28/20	05/28/20	LYZ
Surrogates				**Limits**					
Dibromofluoromethane	101%		%REC	70-145	1	246602	05/28/20	05/28/20	LYZ
1,2-Dichloroethane-d4	109%		%REC	70-145	1	246602	05/28/20	05/28/20	LYZ
Toluene-d8	101%		%REC	70-145	1	246602	05/28/20	05/28/20	LYZ
Bromofluorobenzene	99%		%REC	70-145	1	246602	05/28/20	05/28/20	LYZ

Method: EPA 8270C-SIM
Prep Method: EPA 3550C

Results for any subcontracted analyses are not included in this section.

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Analysis Results for 428719

428719-002 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
1-Methylnaphthalene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
2-Methylnaphthalene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
Naphthalene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
Acenaphthylene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
Acenaphthene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
Fluorene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
Phenanthrene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
Anthracene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
Fluoranthene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
Pyrene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
Benzo(a)anthracene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
Chrysene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
Benzo(b)fluoranthene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
Benzo(k)fluoranthene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
Benzo(a)pyrene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
Dibenz(a,h)anthracene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
Benzo(g,h,i)perylene	ND		ug/Kg	10	1	246709	05/29/20	05/29/20	TJW
Surrogates				**Limits**					
Nitrobenzene-d5	75%		%REC	27-125	1	246709	05/29/20	05/29/20	TJW
2-Fluorobiphenyl	72%		%REC	30-120	1	246709	05/29/20	05/29/20	TJW
Terphenyl-d14	83%		%REC	33-155	1	246709	05/29/20	05/29/20	TJW

ENTHALPY ANALYTICAL

Analysis Results for 428719

Sample ID:	Lab ID: 428719-003	Collected: 05/27/20
2-PT COMPOSITE 03-SP-01,02	Matrix: Soil	

428719-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B									
Antimony	ND		mg/Kg	2.6	0.86	246673	05/28/20	05/29/20	SBW
Arsenic	**2.0**		mg/Kg	0.86	0.86	246673	05/28/20	05/29/20	SBW
Barium	**130**		mg/Kg	0.86	0.86	246673	05/28/20	05/29/20	SBW
Beryllium	ND		mg/Kg	0.43	0.86	246673	05/28/20	05/29/20	SBW
Cadmium	**0.73**		mg/Kg	0.43	0.86	246673	05/28/20	05/29/20	SBW
Chromium	**16**		mg/Kg	0.86	0.86	246673	05/28/20	05/29/20	SBW
Cobalt	**12**		mg/Kg	0.43	0.86	246673	05/28/20	05/29/20	SBW
Copper	**17**		mg/Kg	0.86	0.86	246673	05/28/20	05/29/20	SBW
Lead	**4.3**		mg/Kg	0.86	0.86	246673	05/28/20	05/29/20	SBW
Molybdenum	ND		mg/Kg	0.86	0.86	246673	05/28/20	05/29/20	SBW
Nickel	**11**		mg/Kg	1.3	0.86	246673	05/28/20	05/29/20	SBW
Selenium	ND		mg/Kg	2.6	0.86	246673	05/28/20	05/29/20	SBW
Silver	ND		mg/Kg	0.43	0.86	246673	05/28/20	05/29/20	SBW
Thallium	ND		mg/Kg	2.6	0.86	246673	05/28/20	05/29/20	SBW
Vanadium	**38**		mg/Kg	0.43	0.86	246673	05/28/20	05/29/20	SBW
Zinc	**43**		mg/Kg	4.3	0.86	246673	05/28/20	05/29/20	SBW
Method: EPA 7471A Prep Method: METHOD									
Mercury	ND		mg/Kg	0.13	0.91	246697	05/29/20	05/29/20	DLS
Method: EPA 8081A Prep Method: EPA 3546									
alpha-BHC	ND		ug/Kg	5.0	1	246646	05/28/20	06/01/20	MTS
beta-BHC	ND		ug/Kg	5.0	1	246646	05/28/20	06/01/20	MTS
gamma-BHC	ND		ug/Kg	5.0	1	246646	05/28/20	06/01/20	MTS
delta-BHC	ND		ug/Kg	5.0	1	246646	05/28/20	06/01/20	MTS
Heptachlor	ND		ug/Kg	5.0	1	246646	05/28/20	06/01/20	MTS
Aldrin	ND		ug/Kg	5.0	1	246646	05/28/20	06/01/20	MTS
Heptachlor epoxide	ND		ug/Kg	5.0	1	246646	05/28/20	06/01/20	MTS
Endosulfan I	ND		ug/Kg	5.0	1	246646	05/28/20	06/01/20	MTS
Dieldrin	ND		ug/Kg	5.0	1	246646	05/28/20	06/01/20	MTS
4,4'-DDE	ND		ug/Kg	5.0	1	246646	05/28/20	06/01/20	MTS
Endrin	ND		ug/Kg	5.0	1	246646	05/28/20	06/01/20	MTS
Endosulfan II	ND		ug/Kg	5.0	1	246646	05/28/20	06/01/20	MTS
Endosulfan sulfate	ND		ug/Kg	5.0	1	246646	05/28/20	06/01/20	MTS
4,4'-DDD	ND		ug/Kg	5.0	1	246646	05/28/20	06/01/20	MTS
Endrin aldehyde	ND		ug/Kg	5.0	1	246646	05/28/20	06/01/20	MTS
Endrin ketone	ND		ug/Kg	5.0	1	246646	05/28/20	06/01/20	MTS
4,4'-DDT	ND		ug/Kg	5.0	1	246646	05/28/20	06/01/20	MTS
Methoxychlor	ND		ug/Kg	10	1	246646	05/28/20	06/01/20	MTS
Toxaphene	ND		ug/Kg	100	1	246646	05/28/20	06/01/20	MTS

Results for any subcontracted analyses are not included in this section.

ENTHALPY ANALYTICAL

Analysis Results for 428719

428719-003 Analyte	Result	Qual	Units	RL	DF	Batch	Prepared	Analyzed	Chemist
Chlordane (Technical)	ND		ug/Kg	50	1	246646	05/28/20	06/01/20	MTS
Surrogates				**Limits**					
TCMX	48%		%REC	23-120	1	246646	05/28/20	06/01/20	MTS
Decachlorobiphenyl	70%		%REC	24-120	1	246646	05/28/20	06/01/20	MTS
Method: EPA 8082 Prep Method: EPA 3546									
Aroclor-1016	ND		ug/Kg	50	1	246646	05/28/20	06/01/20	MTS
Aroclor-1221	ND		ug/Kg	50	1	246646	05/28/20	06/01/20	MTS
Aroclor-1232	ND		ug/Kg	50	1	246646	05/28/20	06/01/20	MTS
Aroclor-1242	ND		ug/Kg	50	1	246646	05/28/20	06/01/20	MTS
Aroclor-1248	ND		ug/Kg	50	1	246646	05/28/20	06/01/20	MTS
Aroclor-1254	ND		ug/Kg	50	1	246646	05/28/20	06/01/20	MTS
Aroclor-1260	ND		ug/Kg	50	1	246646	05/28/20	06/01/20	MTS
Aroclor-1262	ND		ug/Kg	50	1	246646	05/28/20	06/01/20	MTS
Aroclor-1268	ND		ug/Kg	50	1	246646	05/28/20	06/01/20	MTS
Surrogates				**Limits**					
Decachlorobiphenyl (PCB)	59%		%REC	19-121	1	246646	05/28/20	06/01/20	MTS

ND Not Detected
SGCU Silica gel cleanup

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC870231**	**Batch:**	**246602**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC870231 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	05/28/20	05/28/20
Freon 12	ND		ug/Kg	5.0	05/28/20	05/28/20
Chloromethane	ND		ug/Kg	5.0	05/28/20	05/28/20
Vinyl Chloride	ND		ug/Kg	5.0	05/28/20	05/28/20
Bromomethane	ND		ug/Kg	5.0	05/28/20	05/28/20
Chloroethane	ND		ug/Kg	5.0	05/28/20	05/28/20
Trichlorofluoromethane	ND		ug/Kg	5.0	05/28/20	05/28/20
Acetone	ND		ug/Kg	100	05/28/20	05/28/20
Freon 113	ND		ug/Kg	5.0	05/28/20	05/28/20
1,1-Dichloroethene	ND		ug/Kg	5.0	05/28/20	05/28/20
Methylene Chloride	ND		ug/Kg	5.0	05/28/20	05/28/20
MTBE	ND		ug/Kg	5.0	05/28/20	05/28/20
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	05/28/20	05/28/20
1,1-Dichloroethane	ND		ug/Kg	5.0	05/28/20	05/28/20
2-Butanone	ND		ug/Kg	100	05/28/20	05/28/20
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	05/28/20	05/28/20
2,2-Dichloropropane	ND		ug/Kg	5.0	05/28/20	05/28/20
Chloroform	ND		ug/Kg	5.0	05/28/20	05/28/20
Bromochloromethane	ND		ug/Kg	5.0	05/28/20	05/28/20
1,1,1-Trichloroethane	ND		ug/Kg	5.0	05/28/20	05/28/20
1,1-Dichloropropene	ND		ug/Kg	5.0	05/28/20	05/28/20
Carbon Tetrachloride	ND		ug/Kg	5.0	05/28/20	05/28/20
1,2-Dichloroethane	ND		ug/Kg	5.0	05/28/20	05/28/20
Benzene	ND		ug/Kg	5.0	05/28/20	05/28/20
Trichloroethene	ND		ug/Kg	5.0	05/28/20	05/28/20
1,2-Dichloropropane	ND		ug/Kg	5.0	05/28/20	05/28/20
Bromodichloromethane	ND		ug/Kg	5.0	05/28/20	05/28/20
Dibromomethane	ND		ug/Kg	5.0	05/28/20	05/28/20
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	05/28/20	05/28/20
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	05/28/20	05/28/20
Toluene	ND		ug/Kg	5.0	05/28/20	05/28/20
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	05/28/20	05/28/20
1,1,2-Trichloroethane	ND		ug/Kg	5.0	05/28/20	05/28/20
1,3-Dichloropropane	ND		ug/Kg	5.0	05/28/20	05/28/20
Tetrachloroethene	ND		ug/Kg	5.0	05/28/20	05/28/20
Dibromochloromethane	ND		ug/Kg	5.0	05/28/20	05/28/20
1,2-Dibromoethane	ND		ug/Kg	5.0	05/28/20	05/28/20
Chlorobenzene	ND		ug/Kg	5.0	05/28/20	05/28/20
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	05/28/20	05/28/20
Ethylbenzene	ND		ug/Kg	5.0	05/28/20	05/28/20
m,p-Xylenes	ND		ug/Kg	10	05/28/20	05/28/20
o-Xylene	ND		ug/Kg	5.0	05/28/20	05/28/20

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Batch QC

QC870231 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Styrene	ND		ug/Kg	5.0	05/28/20	05/28/20
Bromoform	ND		ug/Kg	5.0	05/28/20	05/28/20
Isopropylbenzene	ND		ug/Kg	5.0	05/28/20	05/28/20
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	05/28/20	05/28/20
1,2,3-Trichloropropane	ND		ug/Kg	5.0	05/28/20	05/28/20
Propylbenzene	ND		ug/Kg	5.0	05/28/20	05/28/20
Bromobenzene	ND		ug/Kg	5.0	05/28/20	05/28/20
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	05/28/20	05/28/20
2-Chlorotoluene	ND		ug/Kg	5.0	05/28/20	05/28/20
4-Chlorotoluene	ND		ug/Kg	5.0	05/28/20	05/28/20
tert-Butylbenzene	ND		ug/Kg	5.0	05/28/20	05/28/20
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	05/28/20	05/28/20
sec-Butylbenzene	ND		ug/Kg	5.0	05/28/20	05/28/20
para-Isopropyl Toluene	ND		ug/Kg	5.0	05/28/20	05/28/20
1,3-Dichlorobenzene	ND		ug/Kg	5.0	05/28/20	05/28/20
1,4-Dichlorobenzene	ND		ug/Kg	5.0	05/28/20	05/28/20
n-Butylbenzene	ND		ug/Kg	5.0	05/28/20	05/28/20
1,2-Dichlorobenzene	ND		ug/Kg	5.0	05/28/20	05/28/20
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	05/28/20	05/28/20
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	05/28/20	05/28/20
Hexachlorobutadiene	ND		ug/Kg	5.0	05/28/20	05/28/20
Naphthalene	ND		ug/Kg	5.0	05/28/20	05/28/20
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	05/28/20	05/28/20
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	05/28/20	05/28/20
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	05/28/20	05/28/20
Xylene (total)	ND		ug/Kg	5.0	05/28/20	05/28/20
Surrogates				**Limits**		
Dibromofluoromethane	100%		%REC	70-145	05/28/20	05/28/20
1,2-Dichloroethane-d4	104%		%REC	70-145	05/28/20	05/28/20
Toluene-d8	102%		%REC	70-145	05/28/20	05/28/20
Bromofluorobenzene	99%		%REC	70-145	05/28/20	05/28/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC870232	Batch: 246602
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC870232 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	49.69	50.00	ug/Kg	99%		80-131
MTBE	45.24	50.00	ug/Kg	90%		69-120
Benzene	46.44	50.00	ug/Kg	93%		80-120
Trichloroethene	48.46	50.00	ug/Kg	97%		79-120
Toluene	50.31	50.00	ug/Kg	101%		80-120
Chlorobenzene	47.77	50.00	ug/Kg	96%		80-120
Surrogates						
Dibromofluoromethane	50.20	50.00	ug/Kg	100%		70-145
1,2-Dichloroethane-d4	49.57	50.00	ug/Kg	99%		70-145
Toluene-d8	51.09	50.00	ug/Kg	102%		70-145
Bromofluorobenzene	46.12	50.00	ug/Kg	92%		70-145

Type: Lab Control Sample Duplicate	Lab ID: QC870233	Batch: 246602
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5030B

QC870233 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	47.78	50.00	ug/Kg	96%		80-131	4	33
MTBE	48.07	50.00	ug/Kg	96%		69-120	6	20
Benzene	46.64	50.00	ug/Kg	93%		80-120	0	20
Trichloroethene	47.60	50.00	ug/Kg	95%		79-120	2	20
Toluene	49.79	50.00	ug/Kg	100%		80-120	1	20
Chlorobenzene	47.81	50.00	ug/Kg	96%		80-120	0	20
Surrogates								
Dibromofluoromethane	51.15	50.00	ug/Kg	102%		70-145		
1,2-Dichloroethane-d4	52.05	50.00	ug/Kg	104%		70-145		
Toluene-d8	50.32	50.00	ug/Kg	101%		70-145		
Bromofluorobenzene	46.16	50.00	ug/Kg	92%		70-145		

Type: Blank	Lab ID: QC870313	Batch: 246641
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3510C

QC870313 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
DRO C10-C28 (SGCU)	ND		mg/Kg	10	05/28/20	06/01/20
ORO C28-C44 (SGCU)	ND		mg/Kg	20	05/28/20	06/01/20
Surrogates				**Limits**		
n-Triacontane (SGCU)	97%		%REC	50-150	05/28/20	06/01/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	Lab ID: QC870314	Batch: 246641
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3510C

QC870314 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28 (SGCU)	215.1	247.5	mg/Kg	87%		70-130
Surrogates						
n-Triacontane (SGCU)	9.470	9.901	mg/Kg	96%		50-150

Type: Matrix Spike	Lab ID: QC870315	Batch: 246641
Matrix (Source ID): Soil (428719-001)	Method: EPA 8015M	Prep Method: EPA 3510C

QC870315 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28 (SGCU)	216.7	1.049	247.5	mg/Kg	87%		70-130	0.99
Surrogates								
n-Triacontane (SGCU)	9.074		9.901	mg/Kg	92%		50-150	0.99

Type: Matrix Spike Duplicate	Lab ID: QC870316	Batch: 246641
Matrix (Source ID): Soil (428719-001)	Method: EPA 8015M	Prep Method: EPA 3510C

QC870316 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28 (SGCU)	204.8	1.049	250.0	mg/Kg	82%		70-130	7	20	1
Surrogates										
n-Triacontane (SGCU)	9.076		10.00	mg/Kg	91%		50-150			1

ENTHALPY ANALYTICAL

Batch QC

Type: Blank	Lab ID: QC870330	Batch: 246646
Matrix: Soil		

QC870330 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Method: EPA 8081A Prep Method: EPA 3546						
alpha-BHC	ND		ug/Kg	5.0	05/28/20	06/01/20
beta-BHC	ND		ug/Kg	5.0	05/28/20	06/01/20
gamma-BHC	ND		ug/Kg	5.0	05/28/20	06/01/20
delta-BHC	ND		ug/Kg	5.0	05/28/20	06/01/20
Heptachlor	ND		ug/Kg	5.0	05/28/20	06/01/20
Aldrin	ND		ug/Kg	5.0	05/28/20	06/01/20
Heptachlor epoxide	ND		ug/Kg	5.0	05/28/20	06/01/20
Endosulfan I	ND		ug/Kg	5.0	05/28/20	06/01/20
Dieldrin	ND		ug/Kg	5.0	05/28/20	06/01/20
4,4'-DDE	ND		ug/Kg	5.0	05/28/20	06/01/20
Endrin	ND		ug/Kg	5.0	05/28/20	06/01/20
Endosulfan II	ND		ug/Kg	5.0	05/28/20	06/01/20
Endosulfan sulfate	ND		ug/Kg	5.0	05/28/20	06/01/20
4,4'-DDD	ND		ug/Kg	5.0	05/28/20	06/01/20
Endrin aldehyde	ND		ug/Kg	5.0	05/28/20	06/01/20
Endrin ketone	ND		ug/Kg	5.0	05/28/20	06/01/20
4,4'-DDT	ND		ug/Kg	5.0	05/28/20	06/01/20
Methoxychlor	ND		ug/Kg	10	05/28/20	06/01/20
Toxaphene	ND		ug/Kg	100	05/28/20	06/01/20
Chlordane (Technical)	ND		ug/Kg	50	05/28/20	06/01/20
Surrogates				**Limits**		
TCMX	50%		%REC	23-120	05/28/20	06/01/20
Decachlorobiphenyl	85%		%REC	24-120	05/28/20	06/01/20
Method: EPA 8082 Prep Method: EPA 3546						
Aroclor-1016	ND		ug/Kg	50	05/28/20	06/01/20
Aroclor-1221	ND		ug/Kg	50	05/28/20	06/01/20
Aroclor-1232	ND		ug/Kg	50	05/28/20	06/01/20
Aroclor-1242	ND		ug/Kg	50	05/28/20	06/01/20
Aroclor-1248	ND		ug/Kg	50	05/28/20	06/01/20
Aroclor-1254	ND		ug/Kg	50	05/28/20	06/01/20
Aroclor-1260	ND		ug/Kg	50	05/28/20	06/01/20
Aroclor-1262	ND		ug/Kg	50	05/28/20	06/01/20
Aroclor-1268	ND		ug/Kg	50	05/28/20	06/01/20
Surrogates				**Limits**		
Decachlorobiphenyl (PCB)	99%	E	%REC	19-121	05/28/20	06/01/20

ENTHALPY ANALYTICAL

Batch QC

Type: Lab Control Sample	**Lab ID: QC870331**	**Batch: 246646**
Matrix: Soil	**Method: EPA 8081A**	**Prep Method: EPA 3546**

QC870331 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
alpha-BHC	36.74	49.50	ug/Kg	74%		22-129
beta-BHC	43.87	49.50	ug/Kg	89%	#	28-125
gamma-BHC	38.77	49.50	ug/Kg	78%		22-128
delta-BHC	38.52	49.50	ug/Kg	78%		24-131
Heptachlor	38.80	49.50	ug/Kg	78%		18-124
Aldrin	41.13	49.50	ug/Kg	83%	#	23-120
Heptachlor epoxide	41.34	49.50	ug/Kg	84%	#	26-120
Endosulfan I	42.48	49.50	ug/Kg	86%	#	25-126
Dieldrin	40.48	49.50	ug/Kg	82%		23-124
4,4'-DDE	40.14	49.50	ug/Kg	81%		28-121
Endrin	38.83	49.50	ug/Kg	78%		25-127
Endosulfan II	42.46	49.50	ug/Kg	86%	#	29-121
Endosulfan sulfate	37.57	49.50	ug/Kg	76%		30-121
4,4'-DDD	36.30	49.50	ug/Kg	73%		26-120
Endrin aldehyde	29.36	49.50	ug/Kg	59%		10-120
Endrin ketone	33.41	49.50	ug/Kg	67%		28-125
4,4'-DDT	39.22	49.50	ug/Kg	79%		22-125
Methoxychlor	39.68	49.50	ug/Kg	80%		28-130
Surrogates						
TCMX	27.54	49.50	ug/Kg	56%		23-120
Decachlorobiphenyl	37.17	49.50	ug/Kg	75%		24-120

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC870332**	**Batch:**	**246646**
Matrix (Source ID):	**Soil (428275-007)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC870332 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
alpha-BHC	29.02	ND	49.02	ug/Kg	59%		46-120	0.98
beta-BHC	34.73	ND	49.02	ug/Kg	71%	#	41-120	0.98
gamma-BHC	29.87	ND	49.02	ug/Kg	61%		41-120	0.98
delta-BHC	29.90	ND	49.02	ug/Kg	61%		38-123	0.98
Heptachlor	29.87	ND	49.02	ug/Kg	61%		39-120	0.98
Aldrin	31.96	ND	49.02	ug/Kg	65%	#	34-120	0.98
Heptachlor epoxide	32.26	ND	49.02	ug/Kg	66%	#	43-120	0.98
Endosulfan I	33.48	ND	49.02	ug/Kg	68%	#	45-120	0.98
Dieldrin	38.84	6.201	49.02	ug/Kg	67%		45-120	0.98
4,4'-DDE	113.9	51.45	49.02	ug/Kg	127%	*	34-120	0.98
Endrin	29.65	ND	49.02	ug/Kg	60%		40-120	0.98
Endosulfan II	32.48	ND	49.02	ug/Kg	66%	#	41-120	0.98
Endosulfan sulfate	30.30	ND	49.02	ug/Kg	62%		42-120	0.98
4,4'-DDD	27.36	ND	49.02	ug/Kg	56%		41-120	0.98
Endrin aldehyde	24.11	ND	49.02	ug/Kg	49%		30-120	0.98
Endrin ketone	25.78	ND	49.02	ug/Kg	53%		45-120	0.98
4,4'-DDT	77.30	27.44	49.02	ug/Kg	102%		35-127	0.98
Methoxychlor	29.70	ND	49.02	ug/Kg	61%		42-136	0.98
Surrogates								
TCMX	40.21		49.02	ug/Kg	82%		23-120	0.98
Decachlorobiphenyl	51.96		49.02	ug/Kg	106%		24-120	0.98

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC870333**	**Batch:**	**246646**
Matrix (Source ID):	**Soil (428275-007)**	**Method:**	**EPA 8081A**	**Prep Method:**	**EPA 3546**

QC870333 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
alpha-BHC	26.19	ND	50.00	ug/Kg	52%		46-120	12	30	1
beta-BHC	32.96	ND	50.00	ug/Kg	66%	#	41-120	7	30	1
gamma-BHC	27.51	ND	50.00	ug/Kg	55%		41-120	10	30	1
delta-BHC	27.78	ND	50.00	ug/Kg	56%		38-123	9	30	1
Heptachlor	27.77	ND	50.00	ug/Kg	56%		39-120	9	30	1
Aldrin	29.72	ND	50.00	ug/Kg	59%	#	34-120	9	30	1
Heptachlor epoxide	29.86	ND	50.00	ug/Kg	60%	#	43-120	10	30	1
Endosulfan I	31.17	ND	50.00	ug/Kg	62%	#	45-120	9	30	1
Dieldrin	36.49	6.201	50.00	ug/Kg	61%		45-120	8	30	1
4,4'-DDE	111.9	51.45	50.00	ug/Kg	121%	*	34-120	3	30	1
Endrin	27.80	ND	50.00	ug/Kg	56%		40-120	8	30	1
Endosulfan II	30.85	ND	50.00	ug/Kg	62%	#	41-120	7	30	1
Endosulfan sulfate	26.79	ND	50.00	ug/Kg	54%		42-120	14	30	1
4,4'-DDD	26.09	ND	50.00	ug/Kg	52%		41-120	7	30	1
Endrin aldehyde	23.32	ND	50.00	ug/Kg	47%		30-120	5	30	1
Endrin ketone	25.23	ND	50.00	ug/Kg	50%		45-120	4	30	1
4,4'-DDT	78.56	27.44	50.00	ug/Kg	102%		35-127	0	30	1
Methoxychlor	27.91	ND	50.00	ug/Kg	56%		42-136	8	30	1
Surrogates										
TCMX	19.50		50.00	ug/Kg	39%		23-120			1
Decachlorobiphenyl	32.08		50.00	ug/Kg	64%		24-120			1

Type:	**Lab Control Sample**	**Lab ID:**	**QC870334**	**Batch:**	**246646**
Matrix:	**Soil**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC870334 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Aroclor-1016	326.9	495.0	ug/Kg	66%	b	14-150
Aroclor-1260	274.7	495.0	ug/Kg	55%	b	10-150
Surrogates						
Decachlorobiphenyl (PCB)	28.82	49.50	ug/Kg	58%		19-121

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC870335**	**Batch:**	**246646**
Matrix (Source ID):	**Soil (428275-007)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC870335 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Aroclor-1016	255.0	ND	495.0	ug/Kg	52%	b	42-127	0.99
Aroclor-1260	0	ND	495.0	ug/Kg	0%	ND,b,*	38-130	0.99
Surrogates								
Decachlorobiphenyl (PCB)	19.86		49.50	ug/Kg	40%		19-121	0.99

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC870336**	**Batch:**	**246646**
Matrix (Source ID):	**Soil (428275-007)**	**Method:**	**EPA 8082**	**Prep Method:**	**EPA 3546**

QC870336 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Aroclor-1016	261.9	ND	500.0	ug/Kg	52%		42-127	2	30	1
Aroclor-1260	0	ND	500.0	ug/Kg	0%	ND,b,*	38-130		30	1
Surrogates										
Decachlorobiphenyl (PCB)	14.05		50.00	ug/Kg	28%		19-121			1

Type:	**Lab Control Sample**	**Lab ID:**	**QC870386**	**Batch:**	**246670**
Matrix:	**Soil**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC870386 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
TPH Gasoline	5.873	5.000	mg/Kg	117%		70-130
Surrogates						
Bromofluorobenzene (FID)	0.2600	0.2000	mg/Kg	130%		60-140

Type:	**Matrix Spike**	**Lab ID:**	**QC870387**	**Batch:**	**246670**
Matrix (Source ID):	**Soil (428674-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC870387 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
TPH Gasoline	5.449	ND	5.000	mg/Kg	109%		70-130	1
Surrogates								
Bromofluorobenzene (FID)	0.2500		0.2000	mg/Kg	125%		60-140	1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC870388**	**Batch:**	**246670**
Matrix (Source ID):	**Soil (428674-001)**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC870388 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
TPH Gasoline	5.236	ND	5.000	mg/Kg	105%		70-130	4	20	1
Surrogates										
Bromofluorobenzene (FID)	0.2500		0.2000	mg/Kg	125%		60-140			1

Type:	**Blank**	**Lab ID:**	**QC870389**	**Batch:**	**246670**
Matrix:	**Soil**	**Method:**	**EPA 8015B**	**Prep Method:**	**EPA 5030B**

QC870389 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
TPH Gasoline	ND		mg/Kg	3.0	05/28/20	05/28/20
Surrogates				**Limits**		
Bromofluorobenzene (FID)	100%		%REC	60-140	05/28/20	05/28/20

Type:	**Blank**	**Lab ID:**	**QC870399**	**Batch:**	**246673**
Matrix:	**Soil**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC870399 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	05/28/20	05/29/20
Arsenic	ND		mg/Kg	1.0	05/28/20	05/30/20
Barium	ND		mg/Kg	1.0	05/28/20	05/29/20
Beryllium	ND		mg/Kg	0.50	05/28/20	05/29/20
Cadmium	ND		mg/Kg	0.50	05/28/20	05/29/20
Chromium	ND		mg/Kg	1.0	05/28/20	05/29/20
Cobalt	ND		mg/Kg	0.50	05/28/20	05/30/20
Copper	ND		mg/Kg	1.0	05/28/20	05/29/20
Lead	ND		mg/Kg	1.0	05/28/20	05/29/20
Molybdenum	ND		mg/Kg	1.0	05/28/20	05/29/20
Nickel	ND		mg/Kg	1.5	05/28/20	05/29/20
Selenium	ND		mg/Kg	3.0	05/28/20	05/29/20
Silver	ND	b	mg/Kg	0.50	05/28/20	05/29/20
Thallium	ND		mg/Kg	3.0	05/28/20	05/29/20
Vanadium	ND		mg/Kg	0.50	05/28/20	05/29/20
Zinc	ND		mg/Kg	5.0	05/28/20	05/29/20

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Batch QC

Type: Lab Control Sample	Lab ID: QC870400	Batch: 246673
Matrix: Soil	Method: EPA 6010B	Prep Method: EPA 3050B

QC870400 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	97.67	100.0	mg/Kg	98%		80-120
Arsenic	88.87	100.0	mg/Kg	89%		80-120
Barium	99.01	100.0	mg/Kg	99%		80-120
Beryllium	88.81	100.0	mg/Kg	89%		80-120
Cadmium	96.82	100.0	mg/Kg	97%		80-120
Chromium	97.25	100.0	mg/Kg	97%		80-120
Cobalt	100.2	100.0	mg/Kg	100%		80-120
Copper	92.93	100.0	mg/Kg	93%		80-120
Lead	92.31	100.0	mg/Kg	92%		80-120
Molybdenum	91.88	100.0	mg/Kg	92%		80-120
Nickel	97.13	100.0	mg/Kg	97%		80-120
Selenium	82.88	100.0	mg/Kg	83%		80-120
Silver	93.32	100.0	mg/Kg	93%	b	80-120
Thallium	92.84	100.0	mg/Kg	93%		80-120
Vanadium	99.02	100.0	mg/Kg	99%		80-120
Zinc	94.11	100.0	mg/Kg	94%		80-120

Type: Matrix Spike	Lab ID: QC870401	Batch: 246673
Matrix (Source ID): Soil (428235-039)	Method: EPA 6010B	Prep Method: EPA 3050B

QC870401 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	28.11	ND	102.0	mg/Kg	28%	*	75-125	1
Arsenic	91.68	7.093	102.0	mg/Kg	83%		75-125	1
Barium	293.8	244.6	102.0	mg/Kg	48%	*	75-125	1
Beryllium	85.48	ND	102.0	mg/Kg	84%		75-125	1
Cadmium	95.65	2.680	102.0	mg/Kg	91%		75-125	1
Chromium	116.7	22.74	102.0	mg/Kg	92%		75-125	1
Cobalt	99.90	9.577	102.0	mg/Kg	89%		75-125	1
Copper	140.0	59.01	102.0	mg/Kg	79%		75-125	1
Lead	343.5	427.3	102.0	mg/Kg	-82%	NM	75-125	1
Molybdenum	86.22	1.722	102.0	mg/Kg	83%		75-125	1
Nickel	107.1	16.15	102.0	mg/Kg	89%		75-125	1
Selenium	83.31	ND	102.0	mg/Kg	82%		75-125	1
Silver	89.21	ND	102.0	mg/Kg	87%	b	75-125	1
Thallium	91.99	5.082	102.0	mg/Kg	85%		75-125	1
Vanadium	131.4	33.51	102.0	mg/Kg	96%		75-125	1
Zinc	483.9	410.2	102.0	mg/Kg	72%	NM	75-125	1

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC870402	Batch:	246673
Matrix (Source ID):	Soil (428235-039)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC870402 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	33.63	ND	104.2	mg/Kg	32%	*	75-125	16	41	1
Arsenic	95.90	7.093	104.2	mg/Kg	85%		75-125	3	35	1
Barium	286.5	244.6	104.2	mg/Kg	40%	*	75-125	3	20	1
Beryllium	89.58	ND	104.2	mg/Kg	86%		75-125	3	20	1
Cadmium	102.8	2.680	104.2	mg/Kg	96%		75-125	5	20	1
Chromium	123.9	22.74	104.2	mg/Kg	97%		75-125	4	20	1
Cobalt	106.3	9.577	104.2	mg/Kg	93%		75-125	4	20	1
Copper	147.5	59.01	104.2	mg/Kg	85%		75-125	4	20	1
Lead	330.4	427.3	104.2	mg/Kg	-93%	NM	75-125	4	20	1
Molybdenum	95.80	1.722	104.2	mg/Kg	90%		75-125	8	20	1
Nickel	111.4	16.15	104.2	mg/Kg	91%		75-125	2	20	1
Selenium	88.31	ND	104.2	mg/Kg	85%		75-125	4	20	1
Silver	95.01	ND	104.2	mg/Kg	91%	b	75-125	4	20	1
Thallium	98.31	5.082	104.2	mg/Kg	90%		75-125	5	20	1
Vanadium	141.1	33.51	104.2	mg/Kg	103%		75-125	6	20	1
Zinc	468.8	410.2	104.2	mg/Kg	56%	*	75-125	4	20	1

Type:	Blank	Lab ID:	QC870443	Batch:	246697
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC870443 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	05/29/20	05/29/20

Type:	Lab Control Sample	Lab ID:	QC870444	Batch:	246697
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	METHOD

QC870444 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.9154	0.8333	mg/Kg	110%		80-120

Type:	Matrix Spike	Lab ID:	QC870445	Batch:	246697
Matrix (Source ID):	Soil (428275-007)	Method:	EPA 7471A	Prep Method:	METHOD

QC870445 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.8809	ND	0.7937	mg/Kg	111%		75-125	0.95

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Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC870446**	**Batch:**	**246697**
Matrix (Source ID):	**Soil (428275-007)**	**Method:**	**EPA 7471A**	**Prep Method:**	**METHOD**

QC870446 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.9440	ND	0.8333	mg/Kg	113%		75-125	2	20	1

Type:	**Blank**	**Lab ID:**	**QC870465**	**Batch:**	**246709**
Matrix:	**Soil**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3550C**

QC870465 Analyte	Result	Qual	Units	RL	Prepared	Analyzed
1-Methylnaphthalene	ND		ug/Kg	9.9	05/29/20	05/29/20
2-Methylnaphthalene	ND		ug/Kg	9.9	05/29/20	05/29/20
Naphthalene	ND		ug/Kg	9.9	05/29/20	05/29/20
Acenaphthylene	ND		ug/Kg	9.9	05/29/20	05/29/20
Acenaphthene	ND		ug/Kg	9.9	05/29/20	05/29/20
Fluorene	ND		ug/Kg	9.9	05/29/20	05/29/20
Phenanthrene	ND		ug/Kg	9.9	05/29/20	05/29/20
Anthracene	ND		ug/Kg	9.9	05/29/20	05/29/20
Fluoranthene	ND		ug/Kg	9.9	05/29/20	05/29/20
Pyrene	ND		ug/Kg	9.9	05/29/20	05/29/20
Benzo(a)anthracene	ND		ug/Kg	9.9	05/29/20	05/29/20
Chrysene	ND		ug/Kg	9.9	05/29/20	05/29/20
Benzo(b)fluoranthene	ND		ug/Kg	9.9	05/29/20	05/29/20
Benzo(k)fluoranthene	ND		ug/Kg	9.9	05/29/20	05/29/20
Benzo(a)pyrene	ND		ug/Kg	9.9	05/29/20	05/29/20
Indeno(1,2,3-cd)pyrene	ND		ug/Kg	9.9	05/29/20	05/29/20
Dibenz(a,h)anthracene	ND		ug/Kg	9.9	05/29/20	05/29/20
Benzo(g,h,i)perylene	ND		ug/Kg	9.9	05/29/20	05/29/20
Surrogates				**Limits**		
Nitrobenzene-d5	122%		%REC	27-125	05/29/20	05/29/20
2-Fluorobiphenyl	106%		%REC	30-120	05/29/20	05/29/20
Terphenyl-d14	110%		%REC	33-155	05/29/20	05/29/20

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Batch QC

Type:	**Lab Control Sample**	**Lab ID:**	**QC870466**	**Batch:**	**246709**
Matrix:	**Soil**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3550C**

QC870466 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1-Methylnaphthalene	49.51	50.00	ug/Kg	99%		28-130
2-Methylnaphthalene	48.85	50.00	ug/Kg	98%		33-130
Naphthalene	47.30	50.00	ug/Kg	95%		25-130
Acenaphthylene	50.17	50.00	ug/Kg	100%		28-130
Acenaphthene	47.17	50.00	ug/Kg	94%		32-130
Fluorene	48.73	50.00	ug/Kg	97%		35-130
Phenanthrene	45.18	50.00	ug/Kg	90%		35-132
Anthracene	44.50	50.00	ug/Kg	89%		34-136
Fluoranthene	49.57	50.00	ug/Kg	99%		34-139
Pyrene	47.55	50.00	ug/Kg	95%		35-134
Benzo(a)anthracene	47.47	50.00	ug/Kg	95%		30-132
Chrysene	46.72	50.00	ug/Kg	93%		29-130
Benzo(b)fluoranthene	51.40	50.00	ug/Kg	103%		32-137
Benzo(k)fluoranthene	52.59	50.00	ug/Kg	105%		32-130
Benzo(a)pyrene	42.34	50.00	ug/Kg	85%		10-138
Indeno(1,2,3-cd)pyrene	47.42	50.00	ug/Kg	95%		34-132
Dibenz(a,h)anthracene	45.48	50.00	ug/Kg	91%		32-130
Benzo(g,h,i)perylene	44.05	50.00	ug/Kg	88%		27-130
Surrogates						
Nitrobenzene-d5	33.07	50.00	ug/Kg	66%		27-125
2-Fluorobiphenyl	43.53	50.00	ug/Kg	87%		30-120
Terphenyl-d14	49.49	50.00	ug/Kg	99%		33-155

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike**	**Lab ID:**	**QC870467**	**Batch:**	**246709**
Matrix (Source ID):	**Soil (428719-001)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3550C**

QC870467 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1-Methylnaphthalene	46.36	ND	49.50	ug/Kg	94%		25-130	0.99
2-Methylnaphthalene	45.46	0.4733	49.50	ug/Kg	91%		32-133	0.99
Naphthalene	44.92	0.4721	49.50	ug/Kg	90%		33-130	0.99
Acenaphthylene	47.74	ND	49.50	ug/Kg	96%		14-157	0.99
Acenaphthene	45.70	0.4296	49.50	ug/Kg	91%		28-134	0.99
Fluorene	47.05	0.5494	49.50	ug/Kg	94%		27-140	0.99
Phenanthrene	44.29	1.433	49.50	ug/Kg	87%		29-147	0.99
Anthracene	44.32	0.8174	49.50	ug/Kg	88%		24-156	0.99
Fluoranthene	48.52	1.661	49.50	ug/Kg	95%		28-160	0.99
Pyrene	46.47	1.513	49.50	ug/Kg	91%		26-153	0.99
Benzo(a)anthracene	45.59	1.253	49.50	ug/Kg	90%		26-174	0.99
Chrysene	43.18	1.310	49.50	ug/Kg	85%		40-139	0.99
Benzo(b)fluoranthene	54.35	1.587	49.50	ug/Kg	107%		36-164	0.99
Benzo(k)fluoranthene	57.41	1.362	49.50	ug/Kg	113%		36-161	0.99
Benzo(a)pyrene	52.98	1.498	49.50	ug/Kg	104%		18-173	0.99
Indeno(1,2,3-cd)pyrene	44.74	0.5165	49.50	ug/Kg	89%		26-154	0.99
Dibenz(a,h)anthracene	42.22	9.233	49.50	ug/Kg	67%		38-132	0.99
Benzo(g,h,i)perylene	39.69	0.7052	49.50	ug/Kg	79%		36-130	0.99
Surrogates								
Nitrobenzene-d5	50.18		49.50	ug/Kg	101%		27-125	0.99
2-Fluorobiphenyl	48.24		49.50	ug/Kg	97%		30-120	0.99
Terphenyl-d14	48.08		49.50	ug/Kg	97%		33-155	0.99

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC870468**	**Batch:**	**246709**
Matrix (Source ID):	**Soil (428719-001)**	**Method:**	**EPA 8270C-SIM**	**Prep Method:**	**EPA 3550C**

QC870468 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1-Methylnaphthalene	43.52	ND	49.50	ug/Kg	88%		25-130	6	35	0.99
2-Methylnaphthalene	44.09	0.4733	49.50	ug/Kg	88%		32-133	3	35	0.99
Naphthalene	42.91	0.4721	49.50	ug/Kg	86%		33-130	5	35	0.99
Acenaphthylene	47.22	ND	49.50	ug/Kg	95%		14-157	1	35	0.99
Acenaphthene	43.89	0.4296	49.50	ug/Kg	88%		28-134	4	35	0.99
Fluorene	45.72	0.5494	49.50	ug/Kg	91%		27-140	3	35	0.99
Phenanthrene	43.77	1.433	49.50	ug/Kg	86%		29-147	1	35	0.99
Anthracene	43.73	0.8174	49.50	ug/Kg	87%		24-156	1	35	0.99
Fluoranthene	47.88	1.661	49.50	ug/Kg	93%		28-160	1	35	0.99
Pyrene	45.68	1.513	49.50	ug/Kg	89%		26-153	2	35	0.99
Benzo(a)anthracene	44.02	1.253	49.50	ug/Kg	86%		26-174	4	35	0.99
Chrysene	41.06	1.310	49.50	ug/Kg	80%		40-139	5	35	0.99
Benzo(b)fluoranthene	46.54	1.587	49.50	ug/Kg	91%		36-164	15	35	0.99
Benzo(k)fluoranthene	50.69	1.362	49.50	ug/Kg	100%		36-161	12	35	0.99
Benzo(a)pyrene	48.06	1.498	49.50	ug/Kg	94%		18-173	10	35	0.99
Indeno(1,2,3-cd)pyrene	41.82	0.5165	49.50	ug/Kg	83%		26-154	7	35	0.99
Dibenz(a,h)anthracene	40.21	9.233	49.50	ug/Kg	63%		38-132	5	35	0.99
Benzo(g,h,i)perylene	36.53	0.7052	49.50	ug/Kg	72%		36-130	8	35	0.99
Surrogates										
Nitrobenzene-d5	41.65		49.50	ug/Kg	84%		27-125			0.99
2-Fluorobiphenyl	39.57		49.50	ug/Kg	80%		30-120			0.99
Terphenyl-d14	40.92		49.50	ug/Kg	83%		33-155			0.99

#	CCV drift outside limits; average CCV drift within limits per method requirements
*	Value is outside QC limits
E	Response exceeds instrument's linear range
ND	Not Detected
NM	Not Meaningful: Sample concentration > 4X spike concentration
SGCU	Silica gel cleanup
b	See narrative