Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
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enthalpy.com

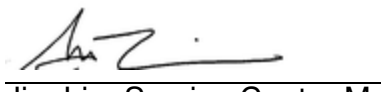
Lab Job Number	:	527314
Contract	:	003688
Report Level	:	II
Report Date	:	03/04/2025
Revision	:	**1 (See narrative)**

Analytical Report *prepared for:*

Gregory Sena
County LA Department of Public Works
900 S. Fremont Ave
Alhambra, CA 91808

Location: West Ravine DB

Authorized for release by:



Jim Lin, Service Center Manager
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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.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105, ORELAP# 4197

ENTHALPY ANALYTICAL

Sample Summary

Gregory Sena
County LA Department of Public Works
900 S. Fremont Ave
Alhambra, CA 91808

Lab Job #: 527314
Location: West Ravine DB
Date Received: 02/24/25

Sample ID	Lab ID	Collected	Matrix
WRDB-1	527314-001	02/24/25 12:00	Soil
WRDB-1D	527314-002	02/24/25 12:05	Soil

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Case Narrative

County LA Department of Public Works 900 S. Fremont Ave Alhambra, CA 91808 Gregory Sena	Lab Job Number: 527314 Location: West Ravine DB Date Received: 02/24/25

- This data package contains sample and QC results for one soil sample, requested for the above referenced project on 02/24/25. The sample was received on ice and intact, directly from the field.
- .

TPH-Extractables by GC (EPA 8015M):
No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Metals (EPA 6010B and EPA 7471A):

- Low recoveries were observed for barium and antimony in the MS/MSD for batch 364070; 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.

Asbestos by PLM (EPA 600/R-93-116):
AmeriSci Los Angeles in Carson, CA performed the analysis (see sublab report section for certifications). Please see the AmeriSci Los Angeles case narrative.

ENTHALPY ANALYTICAL	Chain of Custody Record				Turn Around Time (rush by advanced notice only)					
	Lab No:	527314			Standard:		5 Day:		3 Day:	
	Page:	1	of	1	2 Day:		1 Day:	✓	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: IR11 +0.1 ice 7.5/7.6 (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	LA County Public Works	Quote #:	
Report To:	GREGORY SENA	Proj. Name:	WEST RAVEN DB
Email:	GSENA@DPW.LACOUNTY.GOV	Proj. #:	
Address:	900 S. FREMONT AVE.	P.O. #:	F23DB245
	ALHAMBRA, CA 91803	Address:	
Phone:	626. 458. 4923	Global ID:	
Fax:	626. 458. 4913	Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	EPA GC/MS / 2421/2	EPA 8015D TPH-G/D/O	EPA 8260D VOCs	PCM Asbestos						Test Instructions / Comments
1	WRDB-1	2/24/25	12:00	S	6	✓	X	X	X	X						
2	WRDB-1D	2/24/25	12:05	S	6	✓	X	X	X	X						HOLD + extract
3																
4																
5																
6																
7																
8																
9																
10																

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	[signature]	GREGORY SENA	LACDPW / ECE II	2/24/25 / 15:15
[1] Received By:	[signature]	Kevin Nguyen	LACPW	2/24/25 / 1515
[2] Relinquished By:	[signature]	Kevin Nguyen	PW	2/24/25 1645
[2] Received By:	[signature]	JILBERT QUINTANA	EA- ORA	2/24/25 1645
[3] Relinquished By:				
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 2/24/25 WO# 527314 Client: LACDPW

Section 2: Shipping / Custody **Are custody seals present?** ☐ Yes ☒ No

Custody seals intact on arrival? ☒ N/A ☐ Yes ☐ No ☐ On cooler / box ☐ On samples

☐ Courier ☒ Walk-In ☐ Field Sampling ☐ Shipping Info: _____

Section 3a: Condition / Packaging ☐ **Outside 0.0 - 6.0°C (0.0 - 10.0°C for microbiology) (PM notified)**

Date Opened 2/24/25 By (initials) JRQ Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None

☒ Samples received on ice directly from the field; cooling process had begun. (if checked, skip temperatures)

☐ Sample matrix doesn't require cooling (e.g. air, bulk PCB). (if checked, skip temperatures)

If no cooler: Observed/Adjusted Temp (°C): _____ / _____ Thermometer/IR Gun: ZR11 CF: +0.1 ~~+0.0~~ ABD

Cooler Temp (°C) #1: 7.5 / 7.6 #2: ____/____ #3: ____/____ #4: ____/____ #5: ____/____ #6: ____/____ 2/24/25

Section 3b: Microbiology Samples ☒ **No microbiology samples submitted (skip 3b)**

☐ Within temp range 0.0 - 10.0°C or received on ice directly from field.

☐ Adequate headspace for microbiology analysis.

Section 3c: Air Samples ☒ **No air samples submitted (skip 3c)**

☐ 1.4L Canisters ☐ 6L Canisters ☐ Tedlar Bags ☐ MCE Cassettes ☐ Sorbent Tubes ☐ Other _____

Section 4: Containers / Labels / Samples	YES	NO	N/A
1) Were custody papers present, filled properly, and legible?	✓		
2) Is the sampler's name present on the CoC?		✓	
3) Were containers received in good condition (unbroken / unopened / uncompromised)?	✓		
4) Were the samples bagged? (required for microbiology samples; recommended for soil samples)	✓		
5) Were all of, and only, the correct samples received?	✓		
6) Are sample labels present, legible, and in agreement with the CoC?	✓		
7) Does the container count match the CoC?	✓		
8) Was sufficient sample volume / mass received for the analyses requested?	✓		
9) Were samples received in proper containers for the analyses requested?	✓		
10) Were samples received with > 1/2 holding time remaining?	✓		
11) Are samples properly preserved as indicated by CoC / labels?	✓		
12) Unpreserved VOAs received - if necessary, was the hold time changed in LIMS?			✓
13) Are VOA vials free from headspace/bubbles > 6mm?			✓

Section 5: Explanations / Comments

(If no comments are made, then no discrepancies noted.)

4.1: Borderline illegible.

☐ **No additional discrepancies**

Date Logged 2/24/25 **By (print)** ABD **(sign)** ABD

Date Labeled 2/24/25 **By (print)** EA-OR **(sign)** _____

ENTHALPY ANALYTICAL

Analysis Results for 527314

Gregory Sena
County LA Department of Public Works
900 S. Fremont Ave
Alhambra, CA 91808

Lab Job #: 527314
Location: West Ravine DB
Date Received: 02/24/25

Sample ID: WRDB-1 **Lab ID: 527314-001** **Collected: 02/24/25 12:00**
Matrix: Soil

527314-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Method: EPA 6010B Prep Method: EPA 3050B										
Antimony	ND		mg/Kg	3.0	1.5	0.99	364070	02/24/25	02/25/25	DXC
Arsenic	**3.6**		mg/Kg	0.99	0.70	0.99	364070	02/24/25	02/25/25	DXC
Barium	**60**		mg/Kg	0.99	0.31	0.99	364070	02/24/25	02/25/25	DXC
Beryllium	**0.54**		mg/Kg	0.50	0.033	0.99	364070	02/24/25	02/25/25	DXC
Cadmium	ND		mg/Kg	0.50	0.074	0.99	364070	02/24/25	02/25/25	DXC
Chromium	**16**		mg/Kg	0.99	0.30	0.99	364070	02/24/25	02/25/25	DXC
Cobalt	**7.2**		mg/Kg	0.50	0.26	0.99	364070	02/24/25	02/25/25	DXC
Copper	**26**		mg/Kg	0.99	0.75	0.99	364070	02/24/25	02/25/25	DXC
Lead	**14**		mg/Kg	0.99	0.71	0.99	364070	02/24/25	02/25/25	DXC
Molybdenum	ND		mg/Kg	0.99	0.54	0.99	364070	02/24/25	02/25/25	DXC
Nickel	**11**		mg/Kg	0.99	0.34	0.99	364070	02/24/25	02/25/25	DXC
Selenium	ND		mg/Kg	3.0	1.2	0.99	364070	02/24/25	02/25/25	DXC
Silver	ND		mg/Kg	0.50	0.17	0.99	364070	02/24/25	02/25/25	DXC
Thallium	ND		mg/Kg	3.0	1.1	0.99	364070	02/24/25	02/25/25	DXC
Vanadium	**38**		mg/Kg	0.99	0.16	0.99	364070	02/24/25	02/25/25	DXC
Zinc	**54**		mg/Kg	5.0	2.3	0.99	364070	02/24/25	02/25/25	DXC
Method: EPA 7471A Prep Method: EPA 7471A										
Mercury	ND		mg/Kg	0.16	0.059	1.2	364099	02/25/25	02/25/25	MLL
Method: EPA 8015M Prep Method: EPA 3580M										
GRO C8-C10	ND		mg/Kg	9.9	3.7	0.99	364107	02/25/25	02/25/25	KMB
DRO C10-C28	**6.1**	J	mg/Kg	9.9	3.7	0.99	364107	02/25/25	02/25/25	KMB
ORO C28-C44	**13**	J	mg/Kg	20	3.7	0.99	364107	02/25/25	02/25/25	KMB
Surrogates				**Limits**						
n-Triacontane	102%		%REC	70-130		0.99	364107	02/25/25	02/25/25	KMB
Method: EPA 8260B Prep Method: EPA 5035										
3-Chloropropene	ND		ug/Kg	4.0	0.9	0.8	364062	02/24/25	02/24/25	ZST
cis-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	1.2	0.8	364062	02/24/25	02/24/25	ZST
trans-1,4-Dichloro-2-butene	ND		ug/Kg	4.0	1.3	0.8	364062	02/24/25	02/24/25	ZST
Freon 12	ND		ug/Kg	4.0	2.1	0.8	364062	02/24/25	02/24/25	ZST
Chloromethane	ND		ug/Kg	4.0	2.8	0.8	364062	02/24/25	02/24/25	ZST
Vinyl Chloride	ND		ug/Kg	4.0	2.9	0.8	364062	02/24/25	02/24/25	ZST
Bromomethane	ND		ug/Kg	4.0	1.8	0.8	364062	02/24/25	02/24/25	ZST
Chloroethane	ND		ug/Kg	4.0	3.1	0.8	364062	02/24/25	02/24/25	ZST
Trichlorofluoromethane	ND		ug/Kg	4.0	2.6	0.8	364062	02/24/25	02/24/25	ZST
Acetone	**150**		ug/Kg	80	36	0.8	364062	02/24/25	02/24/25	ZST
Freon 113	ND		ug/Kg	4.0	1.0	0.8	364062	02/24/25	02/24/25	ZST
1,1-Dichloroethene	ND		ug/Kg	4.0	1.1	0.8	364062	02/24/25	02/24/25	ZST

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

ENTHALPY ANALYTICAL

Analysis Results for 527314

527314-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Methylene Chloride	ND		ug/Kg	4.0	3.9	0.8	364062	02/24/25	02/24/25	ZST
MTBE	ND		ug/Kg	4.0	0.9	0.8	364062	02/24/25	02/24/25	ZST
trans-1,2-Dichloroethene	ND		ug/Kg	4.0	1.3	0.8	364062	02/24/25	02/24/25	ZST
1,1-Dichloroethane	ND		ug/Kg	4.0	1.1	0.8	364062	02/24/25	02/24/25	ZST
2-Butanone	**59**	J	ug/Kg	80	5.9	0.8	364062	02/24/25	02/24/25	ZST
cis-1,2-Dichloroethene	ND		ug/Kg	4.0	1.0	0.8	364062	02/24/25	02/24/25	ZST
2,2-Dichloropropane	ND		ug/Kg	4.0	0.7	0.8	364062	02/24/25	02/24/25	ZST
Chloroform	ND		ug/Kg	4.0	0.6	0.8	364062	02/24/25	02/24/25	ZST
Bromochloromethane	ND		ug/Kg	4.0	0.6	0.8	364062	02/24/25	02/24/25	ZST
1,1,1-Trichloroethane	ND		ug/Kg	4.0	0.6	0.8	364062	02/24/25	02/24/25	ZST
1,1-Dichloropropene	ND		ug/Kg	4.0	0.8	0.8	364062	02/24/25	02/24/25	ZST
Carbon Tetrachloride	ND		ug/Kg	4.0	0.7	0.8	364062	02/24/25	02/24/25	ZST
1,2-Dichloroethane	ND		ug/Kg	4.0	0.6	0.8	364062	02/24/25	02/24/25	ZST
Benzene	**51**	J	ug/Kg	220	15	45	364085	02/25/25	02/25/25	ZST
Trichloroethene	ND		ug/Kg	4.0	0.7	0.8	364062	02/24/25	02/24/25	ZST
1,2-Dichloropropane	ND		ug/Kg	4.0	0.9	0.8	364062	02/24/25	02/24/25	ZST
Bromodichloromethane	ND		ug/Kg	4.0	1.0	0.8	364062	02/24/25	02/24/25	ZST
Dibromomethane	ND		ug/Kg	4.0	0.9	0.8	364062	02/24/25	02/24/25	ZST
4-Methyl-2-Pentanone	ND		ug/Kg	4.0	1.0	0.8	364062	02/24/25	02/24/25	ZST
cis-1,3-Dichloropropene	ND		ug/Kg	4.0	1.5	0.8	364062	02/24/25	02/24/25	ZST
Toluene	**97**		ug/Kg	4.0	0.7	0.8	364062	02/24/25	02/24/25	ZST
trans-1,3-Dichloropropene	ND		ug/Kg	4.0	0.8	0.8	364062	02/24/25	02/24/25	ZST
1,1,2-Trichloroethane	ND		ug/Kg	4.0	0.4	0.8	364062	02/24/25	02/24/25	ZST
1,3-Dichloropropane	ND		ug/Kg	4.0	0.4	0.8	364062	02/24/25	02/24/25	ZST
Tetrachloroethene	ND		ug/Kg	4.0	1.0	0.8	364062	02/24/25	02/24/25	ZST
Dibromochloromethane	ND		ug/Kg	4.0	0.9	0.8	364062	02/24/25	02/24/25	ZST
1,2-Dibromoethane	ND		ug/Kg	4.0	0.5	0.8	364062	02/24/25	02/24/25	ZST
Chlorobenzene	ND		ug/Kg	4.0	0.9	0.8	364062	02/24/25	02/24/25	ZST
1,1,1,2-Tetrachloroethane	ND		ug/Kg	4.0	0.8	0.8	364062	02/24/25	02/24/25	ZST
Ethylbenzene	**8.7**		ug/Kg	4.0	0.8	0.8	364062	02/24/25	02/24/25	ZST
m,p-Xylenes	**3.1**	J	ug/Kg	8.0	1.6	0.8	364062	02/24/25	02/24/25	ZST
o-Xylene	**2.7**	J	ug/Kg	4.0	0.5	0.8	364062	02/24/25	02/24/25	ZST
Styrene	ND		ug/Kg	4.0	0.6	0.8	364062	02/24/25	02/24/25	ZST
Bromoform	ND		ug/Kg	4.0	0.7	0.8	364062	02/24/25	02/24/25	ZST
Isopropylbenzene	ND		ug/Kg	4.0	0.8	0.8	364062	02/24/25	02/24/25	ZST
1,1,2,2-Tetrachloroethane	ND		ug/Kg	4.0	0.4	0.8	364062	02/24/25	02/24/25	ZST
1,2,3-Trichloropropane	ND		ug/Kg	4.0	0.8	0.8	364062	02/24/25	02/24/25	ZST
Propylbenzene	ND		ug/Kg	4.0	0.8	0.8	364062	02/24/25	02/24/25	ZST
Bromobenzene	ND		ug/Kg	4.0	0.8	0.8	364062	02/24/25	02/24/25	ZST
1,3,5-Trimethylbenzene	ND		ug/Kg	4.0	0.8	0.8	364062	02/24/25	02/24/25	ZST
2-Chlorotoluene	ND		ug/Kg	4.0	0.8	0.8	364062	02/24/25	02/24/25	ZST
4-Chlorotoluene	ND		ug/Kg	4.0	0.7	0.8	364062	02/24/25	02/24/25	ZST
tert-Butylbenzene	ND		ug/Kg	4.0	0.7	0.8	364062	02/24/25	02/24/25	ZST
1,2,4-Trimethylbenzene	ND		ug/Kg	4.0	0.7	0.8	364062	02/24/25	02/24/25	ZST
sec-Butylbenzene	ND		ug/Kg	4.0	0.9	0.8	364062	02/24/25	02/24/25	ZST
para-Isopropyl Toluene	**1.2**	J	ug/Kg	4.0	0.7	0.8	364062	02/24/25	02/24/25	ZST
1,3-Dichlorobenzene	ND		ug/Kg	4.0	0.6	0.8	364062	02/24/25	02/24/25	ZST
1,4-Dichlorobenzene	ND		ug/Kg	4.0	0.6	0.8	364062	02/24/25	02/24/25	ZST
n-Butylbenzene	ND		ug/Kg	4.0	0.8	0.8	364062	02/24/25	02/24/25	ZST
1,2-Dichlorobenzene	ND		ug/Kg	4.0	0.6	0.8	364062	02/24/25	02/24/25	ZST
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	4.0	1.4	0.8	364062	02/24/25	02/24/25	ZST
1,2,4-Trichlorobenzene	ND		ug/Kg	4.0	1.0	0.8	364062	02/24/25	02/24/25	ZST

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

ENTHALPY ANALYTICAL

Analysis Results for 527314

527314-001 Analyte	Result	Qual	Units	RL	MDL	DF	Batch	Prepared	Analyzed	Chemist
Hexachlorobutadiene	ND		ug/Kg	4.0	0.8	0.8	364062	02/24/25	02/24/25	ZST
Naphthalene	**2.7**	J	ug/Kg	4.0	0.9	0.8	364062	02/24/25	02/24/25	ZST
1,2,3-Trichlorobenzene	ND		ug/Kg	4.0	0.9	0.8	364062	02/24/25	02/24/25	ZST
Xylene (total)	**5.8**	J	ug/Kg	4.0		0.8	364062	02/24/25	02/24/25	ZST
Surrogates				**Limits**						
Dibromofluoromethane	88%		%REC	70-145		0.8	364062	02/24/25	02/24/25	ZST
1,2-Dichloroethane-d4	98%		%REC	70-145		0.8	364062	02/24/25	02/24/25	ZST
Toluene-d8	103%		%REC	70-145		0.8	364062	02/24/25	02/24/25	ZST
Bromofluorobenzene	102%		%REC	70-145		0.8	364062	02/24/25	02/24/25	ZST

J Estimated value
ND Not Detected

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

ENTHALPY ANALYTICAL

Batch QC

Type:	**Blank**	**Lab ID:**	**QC1232731**	**Batch:**	**364070**
Matrix:	**Soil**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1232731 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Antimony	ND		mg/Kg	3.0	1.5	02/24/25	02/25/25
Arsenic	ND		mg/Kg	1.0	0.70	02/24/25	02/25/25
Barium	ND		mg/Kg	1.0	0.32	02/24/25	02/25/25
Beryllium	ND		mg/Kg	0.50	0.034	02/24/25	02/25/25
Cadmium	ND		mg/Kg	0.50	0.074	02/24/25	02/25/25
Chromium	ND		mg/Kg	1.0	0.30	02/24/25	02/25/25
Cobalt	ND		mg/Kg	0.50	0.26	02/24/25	02/25/25
Copper	ND		mg/Kg	1.0	0.76	02/24/25	02/25/25
Lead	ND		mg/Kg	1.0	0.71	02/24/25	02/25/25
Molybdenum	ND		mg/Kg	1.0	0.54	02/24/25	02/25/25
Nickel	ND		mg/Kg	1.0	0.34	02/24/25	02/25/25
Selenium	ND		mg/Kg	3.0	1.2	02/24/25	02/25/25
Silver	ND		mg/Kg	0.50	0.17	02/24/25	02/25/25
Thallium	ND		mg/Kg	3.0	1.1	02/24/25	02/25/25
Vanadium	ND		mg/Kg	1.0	0.16	02/24/25	02/25/25
Zinc	ND		mg/Kg	5.0	2.3	02/24/25	02/25/25

Type:	**Lab Control Sample**	**Lab ID:**	**QC1232732**	**Batch:**	**364070**
Matrix:	**Soil**	**Method:**	**EPA 6010B**	**Prep Method:**	**EPA 3050B**

QC1232732 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Antimony	95.39	100.0	mg/Kg	95%		80-120
Arsenic	94.63	100.0	mg/Kg	95%		80-120
Barium	98.04	100.0	mg/Kg	98%		80-120
Beryllium	95.50	100.0	mg/Kg	96%		80-120
Cadmium	98.42	100.0	mg/Kg	98%		80-120
Chromium	95.78	100.0	mg/Kg	96%		80-120
Cobalt	101.1	100.0	mg/Kg	101%		80-120
Copper	88.00	100.0	mg/Kg	88%		80-120
Lead	98.25	100.0	mg/Kg	98%		80-120
Molybdenum	92.99	100.0	mg/Kg	93%		80-120
Nickel	98.78	100.0	mg/Kg	99%		80-120
Selenium	90.01	100.0	mg/Kg	90%		80-120
Silver	45.64	50.00	mg/Kg	91%		80-120
Thallium	97.76	100.0	mg/Kg	98%		80-120
Vanadium	95.37	100.0	mg/Kg	95%		80-120
Zinc	97.13	100.0	mg/Kg	97%		80-120

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Batch QC

Type:	Matrix Spike	Lab ID:	QC1232733	Batch:	364070
Matrix (Source ID):	Soil (527218-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1232733 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	26.06	ND	95.24	mg/Kg	27%	*	75-125	0.95
Arsenic	94.39	3.596	95.24	mg/Kg	95%		75-125	0.95
Barium	175.9	84.13	95.24	mg/Kg	96%		75-125	0.95
Beryllium	91.76	0.3162	95.24	mg/Kg	96%		75-125	0.95
Cadmium	91.48	0.1653	95.24	mg/Kg	96%		75-125	0.95
Chromium	159.9	49.05	95.24	mg/Kg	116%		75-125	0.95
Cobalt	107.5	11.60	95.24	mg/Kg	101%		75-125	0.95
Copper	121.8	24.89	95.24	mg/Kg	102%		75-125	0.95
Lead	96.52	5.101	95.24	mg/Kg	96%		75-125	0.95
Molybdenum	84.46	1.449	95.24	mg/Kg	87%		75-125	0.95
Nickel	144.2	41.02	95.24	mg/Kg	108%		75-125	0.95
Selenium	86.23	ND	95.24	mg/Kg	91%		75-125	0.95
Silver	45.70	ND	47.62	mg/Kg	96%		75-125	0.95
Thallium	90.08	ND	95.24	mg/Kg	95%		75-125	0.95
Vanadium	153.2	50.79	95.24	mg/Kg	108%		75-125	0.95
Zinc	160.8	62.23	95.24	mg/Kg	104%		75-125	0.95

Type:	Matrix Spike Duplicate	Lab ID:	QC1232734	Batch:	364070
Matrix (Source ID):	Soil (527218-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1232734 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Antimony	30.23	ND	100.0	mg/Kg	30%	*	75-125	10	41	1
Arsenic	98.25	3.596	100.0	mg/Kg	95%		75-125	1	35	1
Barium	152.0	84.13	100.0	mg/Kg	68%	*	75-125	17	20	1
Beryllium	95.41	0.3162	100.0	mg/Kg	95%		75-125	1	20	1
Cadmium	96.29	0.1653	100.0	mg/Kg	96%		75-125	0	20	1
Chromium	149.8	49.05	100.0	mg/Kg	101%		75-125	10	20	1
Cobalt	107.7	11.60	100.0	mg/Kg	96%		75-125	4	20	1
Copper	121.8	24.89	100.0	mg/Kg	97%		75-125	4	20	1
Lead	99.90	5.101	100.0	mg/Kg	95%		75-125	1	20	1
Molybdenum	87.46	1.449	100.0	mg/Kg	86%		75-125	1	20	1
Nickel	137.2	41.02	100.0	mg/Kg	96%		75-125	8	20	1
Selenium	90.21	ND	100.0	mg/Kg	90%		75-125	0	20	1
Silver	47.10	ND	50.00	mg/Kg	94%		75-125	2	20	1
Thallium	94.04	ND	100.0	mg/Kg	94%		75-125	1	20	1
Vanadium	154.6	50.79	100.0	mg/Kg	104%		75-125	2	20	1
Zinc	154.9	62.23	100.0	mg/Kg	93%		75-125	7	20	1

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Batch QC

Type:	Post Digest Spike	Lab ID:	QC1232735	Batch:	364070
Matrix (Source ID):	Soil (527218-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1232735 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Antimony	87.26	ND	99.01	mg/Kg	88%		75-125	0.99
Arsenic	92.53	3.596	99.01	mg/Kg	90%		75-125	0.99
Barium	171.4	84.13	99.01	mg/Kg	88%		75-125	0.99
Beryllium	88.73	0.3162	99.01	mg/Kg	89%		75-125	0.99
Cadmium	88.81	0.1653	99.01	mg/Kg	90%		75-125	0.99
Chromium	135.7	49.05	99.01	mg/Kg	87%		75-125	0.99
Cobalt	101.5	11.60	99.01	mg/Kg	91%		75-125	0.99
Copper	112.8	24.89	99.01	mg/Kg	89%		75-125	0.99
Lead	94.07	5.101	99.01	mg/Kg	90%		75-125	0.99
Molybdenum	90.07	1.449	99.01	mg/Kg	90%		75-125	0.99
Nickel	128.6	41.02	99.01	mg/Kg	88%		75-125	0.99
Selenium	85.71	ND	99.01	mg/Kg	87%		75-125	0.99
Silver	44.33	ND	49.50	mg/Kg	90%		75-125	0.99
Thallium	88.46	ND	99.01	mg/Kg	89%		75-125	0.99
Vanadium	139.3	50.79	99.01	mg/Kg	89%		75-125	0.99
Zinc	148.0	62.23	99.01	mg/Kg	87%		75-125	0.99

Type:	Serial Dilution	Lab ID:	QC1233039	Batch:	364070
Matrix (Source ID):	Miscell. (527260-001)	Method:	EPA 6010B	Prep Method:	EPA 3050B

QC1233039 Analyte	Result	Source Sample Result	Units	Qual	RPD	RPD Lim	DF
Antimony	ND	ND	mg/Kg				5
Arsenic	ND	1.002	mg/Kg				5
Barium	151.5	146.3	mg/Kg				5
Beryllium	ND	0.1484	mg/Kg				5
Cadmium	ND	ND	mg/Kg				5
Chromium	15.55	15.13	mg/Kg				5
Cobalt	10.44	10.55	mg/Kg				5
Copper	14.14	15.40	mg/Kg				5
Lead	ND	3.797	mg/Kg				5
Molybdenum	ND	ND	mg/Kg				5
Nickel	14.18	14.37	mg/Kg				5
Selenium	ND	ND	mg/Kg				5
Silver	ND	ND	mg/Kg				5
Thallium	ND	ND	mg/Kg				5
Vanadium	62.98	62.21	mg/Kg				5
Zinc	53.75	51.99	mg/Kg				5

Type:	Blank	Lab ID:	QC1232844	Batch:	364099
Matrix:	Soil	Method:	EPA 7471A	Prep Method:	EPA 7471A

QC1232844 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
Mercury	ND		mg/Kg	0.14	0.051	02/25/25	02/25/25

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Batch QC

Type: Lab Control Sample	Lab ID: QC1232845	Batch: 364099
Matrix: Soil	Method: EPA 7471A	Prep Method: EPA 7471A

QC1232845 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Mercury	0.8312	0.8333	mg/Kg	100%		80-120

Type: Matrix Spike	Lab ID: QC1232846	Batch: 364099
Matrix (Source ID): Soil (527218-001)	Method: EPA 7471A	Prep Method: EPA 7471A

QC1232846 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Mercury	0.9330	ND	0.9615	mg/Kg	97%		75-125	1.2

Type: Matrix Spike Duplicate	Lab ID: QC1232847	Batch: 364099
Matrix (Source ID): Soil (527218-001)	Method: EPA 7471A	Prep Method: EPA 7471A

QC1232847 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Mercury	0.8959	ND	0.9091	mg/Kg	99%		75-125	2	20	1.1

Type: Blank	Lab ID: QC1232885	Batch: 364107
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1232885 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
GRO C8-C10	ND		mg/Kg	9.9	3.6	02/25/25	02/25/25
DRO C10-C28	ND		mg/Kg	9.9	3.6	02/25/25	02/25/25
ORO C28-C44	ND		mg/Kg	20	3.6	02/25/25	02/25/25
Surrogates				**Limits**			
n-Triacontane	87%		%REC	70-130		02/25/25	02/25/25

Type: Lab Control Sample	Lab ID: QC1232886	Batch: 364107
Matrix: Soil	Method: EPA 8015M	Prep Method: EPA 3580M

QC1232886 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
Diesel C10-C28	215.7	252.5	mg/Kg	85%		76-122
Surrogates						
n-Triacontane	8.740	10.10	mg/Kg	87%		70-130

Type: Matrix Spike	Lab ID: QC1232887	Batch: 364107
Matrix (Source ID): Soil (527317-001)	Method: EPA 8015M	Prep Method: EPA 3580M

QC1232887 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
Diesel C10-C28	209.4	ND	249.3	mg/Kg	84%		62-126	1
Surrogates								
n-Triacontane	9.293		9.970	mg/Kg	93%		70-130	1

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Batch QC

Type:	Matrix Spike Duplicate	Lab ID:	QC1232888	Batch:	364107
Matrix (Source ID):	Soil (527317-001)	Method:	EPA 8015M	Prep Method:	EPA 3580M

QC1232888 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
Diesel C10-C28	213.3	ND	249.3	mg/Kg	86%		62-126	2	35	1
Surrogates										
n-Triacontane	9.035		9.970	mg/Kg	91%		70-130			1

Type:	Lab Control Sample	Lab ID:	QC1232708	Batch:	364062
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5035

QC1232708 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	43.46	50.00	ug/Kg	87%		70-131
MTBE	49.10	50.00	ug/Kg	98%		69-130
Benzene	50.12	50.00	ug/Kg	100%		70-130
Trichloroethene	46.13	50.00	ug/Kg	92%		70-130
Toluene	49.03	50.00	ug/Kg	98%		70-130
Chlorobenzene	48.15	50.00	ug/Kg	96%		70-130
Surrogates						
Dibromofluoromethane	47.78	50.00	ug/Kg	96%		70-130
1,2-Dichloroethane-d4	49.38	50.00	ug/Kg	99%		70-145
Toluene-d8	49.99	50.00	ug/Kg	100%		70-145
Bromofluorobenzene	51.64	50.00	ug/Kg	103%		70-145

Type:	Lab Control Sample Duplicate	Lab ID:	QC1232709	Batch:	364062
Matrix:	Soil	Method:	EPA 8260B	Prep Method:	EPA 5035

QC1232709 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	45.96	50.00	ug/Kg	92%		70-131	6	33
MTBE	50.37	50.00	ug/Kg	101%		69-130	3	30
Benzene	52.39	50.00	ug/Kg	105%		70-130	4	30
Trichloroethene	49.85	50.00	ug/Kg	100%		70-130	8	30
Toluene	50.48	50.00	ug/Kg	101%		70-130	3	30
Chlorobenzene	49.31	50.00	ug/Kg	99%		70-130	2	30
Surrogates								
Dibromofluoromethane	48.58	50.00	ug/Kg	97%		70-130		
1,2-Dichloroethane-d4	48.76	50.00	ug/Kg	98%		70-145		
Toluene-d8	50.02	50.00	ug/Kg	100%		70-145		
Bromofluorobenzene	51.03	50.00	ug/Kg	102%		70-145		

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Batch QC

Type: Blank	**Lab ID:** QC1232712	**Batch:** 364062	
Matrix: Soil	**Method:** EPA 8260B	**Prep Method:** EPA 5035	

QC1232712 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	250	35	02/24/25	02/24/25
cis-1,4-Dichloro-2-butene	ND		ug/Kg	250	72	02/24/25	02/24/25
trans-1,4-Dichloro-2-butene	ND		ug/Kg	250	62	02/24/25	02/24/25
Freon 12	ND		ug/Kg	250	95	02/24/25	02/24/25
Chloromethane	ND		ug/Kg	250	110	02/24/25	02/24/25
Vinyl Chloride	ND		ug/Kg	250	16	02/24/25	02/24/25
Bromomethane	ND		ug/Kg	250	180	02/24/25	02/24/25
Chloroethane	ND		ug/Kg	270	270	02/24/25	02/24/25
Trichlorofluoromethane	ND		ug/Kg	250	55	02/24/25	02/24/25
Acetone	ND		ug/Kg	5,000	3,600	02/24/25	02/24/25
Freon 113	ND		ug/Kg	250	30	02/24/25	02/24/25
1,1-Dichloroethene	ND		ug/Kg	250	29	02/24/25	02/24/25
Methylene Chloride	ND		ug/Kg	860	860	02/24/25	02/24/25
MTBE	ND		ug/Kg	250	91	02/24/25	02/24/25
trans-1,2-Dichloroethene	ND		ug/Kg	250	28	02/24/25	02/24/25
1,1-Dichloroethane	ND		ug/Kg	250	65	02/24/25	02/24/25
2-Butanone	ND		ug/Kg	5,000	120	02/24/25	02/24/25
cis-1,2-Dichloroethene	ND		ug/Kg	250	33	02/24/25	02/24/25
2,2-Dichloropropane	ND		ug/Kg	250	44	02/24/25	02/24/25
Chloroform	ND		ug/Kg	250	81	02/24/25	02/24/25
Bromochloromethane	ND		ug/Kg	250	83	02/24/25	02/24/25
1,1,1-Trichloroethane	ND		ug/Kg	250	62	02/24/25	02/24/25
1,1-Dichloropropene	ND		ug/Kg	250	62	02/24/25	02/24/25
Carbon Tetrachloride	ND		ug/Kg	250	64	02/24/25	02/24/25
1,2-Dichloroethane	ND		ug/Kg	250	100	02/24/25	02/24/25
Benzene	ND		ug/Kg	250	17	02/24/25	02/24/25
Trichloroethene	ND		ug/Kg	250	16	02/24/25	02/24/25
1,2-Dichloropropane	ND		ug/Kg	250	31	02/24/25	02/24/25
Bromodichloromethane	ND		ug/Kg	250	54	02/24/25	02/24/25
Dibromomethane	ND		ug/Kg	250	63	02/24/25	02/24/25
4-Methyl-2-Pentanone	ND		ug/Kg	250	110	02/24/25	02/24/25
cis-1,3-Dichloropropene	ND		ug/Kg	250	87	02/24/25	02/24/25
Toluene	ND		ug/Kg	250	45	02/24/25	02/24/25
trans-1,3-Dichloropropene	ND		ug/Kg	250	89	02/24/25	02/24/25
1,1,2-Trichloroethane	ND		ug/Kg	250	59	02/24/25	02/24/25
1,3-Dichloropropane	ND		ug/Kg	250	41	02/24/25	02/24/25
Tetrachloroethene	ND		ug/Kg	250	17	02/24/25	02/24/25
Dibromochloromethane	ND		ug/Kg	250	91	02/24/25	02/24/25
1,2-Dibromoethane	ND		ug/Kg	250	58	02/24/25	02/24/25
Chlorobenzene	ND		ug/Kg	250	57	02/24/25	02/24/25
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	67	02/24/25	02/24/25
Ethylbenzene	ND		ug/Kg	250	51	02/24/25	02/24/25
m,p-Xylenes	ND		ug/Kg	500	38	02/24/25	02/24/25
o-Xylene	ND		ug/Kg	250	45	02/24/25	02/24/25
Styrene	ND		ug/Kg	250	51	02/24/25	02/24/25
Bromoform	ND		ug/Kg	250	140	02/24/25	02/24/25
Isopropylbenzene	ND		ug/Kg	250	56	02/24/25	02/24/25

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Batch QC

QC1232712 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	43	02/24/25	02/24/25
1,2,3-Trichloropropane	ND		ug/Kg	250	52	02/24/25	02/24/25
Propylbenzene	ND		ug/Kg	250	42	02/24/25	02/24/25
Bromobenzene	ND		ug/Kg	250	76	02/24/25	02/24/25
1,3,5-Trimethylbenzene	ND		ug/Kg	250	46	02/24/25	02/24/25
2-Chlorotoluene	ND		ug/Kg	250	45	02/24/25	02/24/25
4-Chlorotoluene	ND		ug/Kg	250	42	02/24/25	02/24/25
tert-Butylbenzene	ND		ug/Kg	250	52	02/24/25	02/24/25
1,2,4-Trimethylbenzene	ND		ug/Kg	250	45	02/24/25	02/24/25
sec-Butylbenzene	ND		ug/Kg	250	48	02/24/25	02/24/25
para-Isopropyl Toluene	ND		ug/Kg	250	54	02/24/25	02/24/25
1,3-Dichlorobenzene	ND		ug/Kg	250	62	02/24/25	02/24/25
1,4-Dichlorobenzene	ND		ug/Kg	250	61	02/24/25	02/24/25
n-Butylbenzene	ND		ug/Kg	250	36	02/24/25	02/24/25
1,2-Dichlorobenzene	ND		ug/Kg	250	64	02/24/25	02/24/25
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	74	02/24/25	02/24/25
1,2,4-Trichlorobenzene	ND		ug/Kg	250	51	02/24/25	02/24/25
Hexachlorobutadiene	ND		ug/Kg	250	82	02/24/25	02/24/25
Naphthalene	ND		ug/Kg	250	130	02/24/25	02/24/25
1,2,3-Trichlorobenzene	ND		ug/Kg	250	35	02/24/25	02/24/25
Xylene (total)	ND		ug/Kg	250		02/24/25	02/24/25
Surrogates				**Limits**			
Dibromofluoromethane	88%		%REC	70-130		02/24/25	02/24/25
1,2-Dichloroethane-d4	96%		%REC	70-145		02/24/25	02/24/25
Toluene-d8	101%		%REC	70-145		02/24/25	02/24/25
Bromofluorobenzene	101%		%REC	70-145		02/24/25	02/24/25

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Batch QC

Type:	**Blank**	**Lab ID:**	**QC1232713**	**Batch:**	**364062**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC1232713 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	1.2	02/24/25	02/24/25
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.4	02/24/25	02/24/25
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.6	02/24/25	02/24/25
Freon 12	ND		ug/Kg	5.0	2.6	02/24/25	02/24/25
Chloromethane	ND		ug/Kg	5.0	3.5	02/24/25	02/24/25
Vinyl Chloride	ND		ug/Kg	5.0	3.6	02/24/25	02/24/25
Bromomethane	ND		ug/Kg	5.0	2.2	02/24/25	02/24/25
Chloroethane	ND		ug/Kg	5.0	3.8	02/24/25	02/24/25
Trichlorofluoromethane	ND		ug/Kg	5.0	3.2	02/24/25	02/24/25
Acetone	ND		ug/Kg	100	45	02/24/25	02/24/25
Freon 113	ND		ug/Kg	5.0	1.3	02/24/25	02/24/25
1,1-Dichloroethene	ND		ug/Kg	5.0	1.4	02/24/25	02/24/25
Methylene Chloride	ND		ug/Kg	5.0	4.8	02/24/25	02/24/25
MTBE	ND		ug/Kg	5.0	1.1	02/24/25	02/24/25
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1.7	02/24/25	02/24/25
1,1-Dichloroethane	ND		ug/Kg	5.0	1.4	02/24/25	02/24/25
2-Butanone	ND		ug/Kg	100	7.4	02/24/25	02/24/25
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1.2	02/24/25	02/24/25
2,2-Dichloropropane	ND		ug/Kg	5.0	0.8	02/24/25	02/24/25
Chloroform	ND		ug/Kg	5.0	0.7	02/24/25	02/24/25
Bromochloromethane	ND		ug/Kg	5.0	0.7	02/24/25	02/24/25
1,1,1-Trichloroethane	ND		ug/Kg	5.0	0.8	02/24/25	02/24/25
1,1-Dichloropropene	ND		ug/Kg	5.0	1.0	02/24/25	02/24/25
Carbon Tetrachloride	ND		ug/Kg	5.0	0.8	02/24/25	02/24/25
1,2-Dichloroethane	ND		ug/Kg	5.0	0.7	02/24/25	02/24/25
Benzene	ND		ug/Kg	5.0	1.0	02/24/25	02/24/25
Trichloroethene	ND		ug/Kg	5.0	0.9	02/24/25	02/24/25
1,2-Dichloropropane	ND		ug/Kg	5.0	1.2	02/24/25	02/24/25
Bromodichloromethane	ND		ug/Kg	5.0	1.2	02/24/25	02/24/25
Dibromomethane	ND		ug/Kg	5.0	1.1	02/24/25	02/24/25
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1.2	02/24/25	02/24/25
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1.9	02/24/25	02/24/25
Toluene	ND		ug/Kg	5.0	0.9	02/24/25	02/24/25
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1.0	02/24/25	02/24/25
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.5	02/24/25	02/24/25
1,3-Dichloropropane	ND		ug/Kg	5.0	0.5	02/24/25	02/24/25
Tetrachloroethene	ND		ug/Kg	5.0	1.3	02/24/25	02/24/25
Dibromochloromethane	ND		ug/Kg	5.0	1.1	02/24/25	02/24/25
1,2-Dibromoethane	ND		ug/Kg	5.0	0.6	02/24/25	02/24/25
Chlorobenzene	ND		ug/Kg	5.0	1.1	02/24/25	02/24/25
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1.0	02/24/25	02/24/25
Ethylbenzene	ND		ug/Kg	5.0	1.0	02/24/25	02/24/25
m,p-Xylenes	ND		ug/Kg	10	2.0	02/24/25	02/24/25
o-Xylene	ND		ug/Kg	5.0	0.6	02/24/25	02/24/25
Styrene	ND		ug/Kg	5.0	0.7	02/24/25	02/24/25
Bromoform	ND		ug/Kg	5.0	0.9	02/24/25	02/24/25
Isopropylbenzene	ND		ug/Kg	5.0	1.0	02/24/25	02/24/25

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Batch QC

QC1232713 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	02/24/25	02/24/25
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1.0	02/24/25	02/24/25
Propylbenzene	ND		ug/Kg	5.0	1.0	02/24/25	02/24/25
Bromobenzene	ND		ug/Kg	5.0	1.0	02/24/25	02/24/25
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1.0	02/24/25	02/24/25
2-Chlorotoluene	ND		ug/Kg	5.0	0.9	02/24/25	02/24/25
4-Chlorotoluene	ND		ug/Kg	5.0	0.8	02/24/25	02/24/25
tert-Butylbenzene	ND		ug/Kg	5.0	0.9	02/24/25	02/24/25
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.8	02/24/25	02/24/25
sec-Butylbenzene	ND		ug/Kg	5.0	1.1	02/24/25	02/24/25
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.9	02/24/25	02/24/25
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.7	02/24/25	02/24/25
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.8	02/24/25	02/24/25
n-Butylbenzene	ND		ug/Kg	5.0	1.0	02/24/25	02/24/25
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.7	02/24/25	02/24/25
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1.8	02/24/25	02/24/25
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1.3	02/24/25	02/24/25
Hexachlorobutadiene	ND		ug/Kg	5.0	1.0	02/24/25	02/24/25
Naphthalene	ND		ug/Kg	5.0	1.1	02/24/25	02/24/25
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1.1	02/24/25	02/24/25
Xylene (total)	ND		ug/Kg	5.0		02/24/25	02/24/25
Surrogates				**Limits**			
Dibromofluoromethane	92%		%REC	70-130		02/24/25	02/24/25
1,2-Dichloroethane-d4	96%		%REC	70-145		02/24/25	02/24/25
Toluene-d8	100%		%REC	70-145		02/24/25	02/24/25
Bromofluorobenzene	101%		%REC	70-145		02/24/25	02/24/25

Type: Lab Control Sample	**Lab ID: QC1232783**	**Batch: 364085**
Matrix: Soil	**Method: EPA 8260B**	**Prep Method: EPA 5035**

QC1232783 Analyte	Result	Spiked	Units	Recovery	Qual	Limits
1,1-Dichloroethene	47.08	50.00	ug/Kg	94%		70-131
MTBE	46.17	50.00	ug/Kg	92%		69-130
Benzene	52.82	50.00	ug/Kg	106%		70-130
Trichloroethene	48.62	50.00	ug/Kg	97%		70-130
Toluene	52.84	50.00	ug/Kg	106%		70-130
Chlorobenzene	51.18	50.00	ug/Kg	102%		70-130
Surrogates						
Dibromofluoromethane	47.53	50.00	ug/Kg	95%		70-130
1,2-Dichloroethane-d4	46.86	50.00	ug/Kg	94%		70-145
Toluene-d8	50.45	50.00	ug/Kg	101%		70-145
Bromofluorobenzene	50.99	50.00	ug/Kg	102%		70-145

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Batch QC

Type:	**Lab Control Sample Duplicate**	**Lab ID:**	**QC1232784**	**Batch:**	**364085**
Matrix:	**Soil**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5035**

QC1232784 Analyte	Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim
1,1-Dichloroethene	42.05	50.00	ug/Kg	84%		70-131	11	33
MTBE	44.31	50.00	ug/Kg	89%		69-130	4	30
Benzene	48.75	50.00	ug/Kg	97%		70-130	8	30
Trichloroethene	44.12	50.00	ug/Kg	88%		70-130	10	30
Toluene	48.25	50.00	ug/Kg	96%		70-130	9	30
Chlorobenzene	46.57	50.00	ug/Kg	93%		70-130	9	30
Surrogates								
Dibromofluoromethane	47.25	50.00	ug/Kg	95%		70-130		
1,2-Dichloroethane-d4	46.69	50.00	ug/Kg	93%		70-145		
Toluene-d8	50.83	50.00	ug/Kg	102%		70-145		
Bromofluorobenzene	50.88	50.00	ug/Kg	102%		70-145		

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Batch QC

Type: Blank	Lab ID: QC1232787	Batch: 364085
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1232787 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	5.0	1.2	02/25/25	02/25/25
cis-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.4	02/25/25	02/25/25
trans-1,4-Dichloro-2-butene	ND		ug/Kg	5.0	1.6	02/25/25	02/25/25
Freon 12	ND		ug/Kg	5.0	2.6	02/25/25	02/25/25
Chloromethane	ND		ug/Kg	5.0	3.5	02/25/25	02/25/25
Vinyl Chloride	ND		ug/Kg	5.0	3.6	02/25/25	02/25/25
Bromomethane	ND		ug/Kg	5.0	2.2	02/25/25	02/25/25
Chloroethane	ND		ug/Kg	5.0	3.8	02/25/25	02/25/25
Trichlorofluoromethane	ND		ug/Kg	5.0	3.2	02/25/25	02/25/25
Acetone	ND		ug/Kg	100	45	02/25/25	02/25/25
Freon 113	ND		ug/Kg	5.0	1.3	02/25/25	02/25/25
1,1-Dichloroethene	ND		ug/Kg	5.0	1.4	02/25/25	02/25/25
Methylene Chloride	ND		ug/Kg	5.0	4.8	02/25/25	02/25/25
MTBE	ND		ug/Kg	5.0	1.1	02/25/25	02/25/25
trans-1,2-Dichloroethene	ND		ug/Kg	5.0	1.7	02/25/25	02/25/25
1,1-Dichloroethane	ND		ug/Kg	5.0	1.4	02/25/25	02/25/25
2-Butanone	ND		ug/Kg	100	7.4	02/25/25	02/25/25
cis-1,2-Dichloroethene	ND		ug/Kg	5.0	1.2	02/25/25	02/25/25
2,2-Dichloropropane	ND		ug/Kg	5.0	0.8	02/25/25	02/25/25
Chloroform	ND		ug/Kg	5.0	0.7	02/25/25	02/25/25
Bromochloromethane	ND		ug/Kg	5.0	0.7	02/25/25	02/25/25
1,1,1-Trichloroethane	ND		ug/Kg	5.0	0.8	02/25/25	02/25/25
1,1-Dichloropropene	ND		ug/Kg	5.0	1.0	02/25/25	02/25/25
Carbon Tetrachloride	ND		ug/Kg	5.0	0.8	02/25/25	02/25/25
1,2-Dichloroethane	ND		ug/Kg	5.0	0.7	02/25/25	02/25/25
Benzene	ND		ug/Kg	5.0	1.0	02/25/25	02/25/25
Trichloroethene	ND		ug/Kg	5.0	0.9	02/25/25	02/25/25
1,2-Dichloropropane	ND		ug/Kg	5.0	1.2	02/25/25	02/25/25
Bromodichloromethane	ND		ug/Kg	5.0	1.2	02/25/25	02/25/25
Dibromomethane	ND		ug/Kg	5.0	1.1	02/25/25	02/25/25
4-Methyl-2-Pentanone	ND		ug/Kg	5.0	1.2	02/25/25	02/25/25
cis-1,3-Dichloropropene	ND		ug/Kg	5.0	1.9	02/25/25	02/25/25
Toluene	ND		ug/Kg	5.0	0.9	02/25/25	02/25/25
trans-1,3-Dichloropropene	ND		ug/Kg	5.0	1.0	02/25/25	02/25/25
1,1,2-Trichloroethane	ND		ug/Kg	5.0	0.5	02/25/25	02/25/25
1,3-Dichloropropane	ND		ug/Kg	5.0	0.5	02/25/25	02/25/25
Tetrachloroethene	ND		ug/Kg	5.0	1.3	02/25/25	02/25/25
Dibromochloromethane	ND		ug/Kg	5.0	1.1	02/25/25	02/25/25
1,2-Dibromoethane	ND		ug/Kg	5.0	0.6	02/25/25	02/25/25
Chlorobenzene	ND		ug/Kg	5.0	1.1	02/25/25	02/25/25
1,1,1,2-Tetrachloroethane	ND		ug/Kg	5.0	1.0	02/25/25	02/25/25
Ethylbenzene	ND		ug/Kg	5.0	1.0	02/25/25	02/25/25
m,p-Xylenes	ND		ug/Kg	10	2.0	02/25/25	02/25/25
o-Xylene	ND		ug/Kg	5.0	0.6	02/25/25	02/25/25
Styrene	ND		ug/Kg	5.0	0.7	02/25/25	02/25/25
Bromoform	ND		ug/Kg	5.0	0.9	02/25/25	02/25/25
Isopropylbenzene	ND		ug/Kg	5.0	1.0	02/25/25	02/25/25

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Batch QC

QC1232787 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	5.0	0.5	02/25/25	02/25/25
1,2,3-Trichloropropane	ND		ug/Kg	5.0	1.0	02/25/25	02/25/25
Propylbenzene	ND		ug/Kg	5.0	1.0	02/25/25	02/25/25
Bromobenzene	ND		ug/Kg	5.0	1.0	02/25/25	02/25/25
1,3,5-Trimethylbenzene	ND		ug/Kg	5.0	1.0	02/25/25	02/25/25
2-Chlorotoluene	ND		ug/Kg	5.0	0.9	02/25/25	02/25/25
4-Chlorotoluene	ND		ug/Kg	5.0	0.8	02/25/25	02/25/25
tert-Butylbenzene	ND		ug/Kg	5.0	0.9	02/25/25	02/25/25
1,2,4-Trimethylbenzene	ND		ug/Kg	5.0	0.8	02/25/25	02/25/25
sec-Butylbenzene	ND		ug/Kg	5.0	1.1	02/25/25	02/25/25
para-Isopropyl Toluene	ND		ug/Kg	5.0	0.9	02/25/25	02/25/25
1,3-Dichlorobenzene	ND		ug/Kg	5.0	0.7	02/25/25	02/25/25
1,4-Dichlorobenzene	ND		ug/Kg	5.0	0.8	02/25/25	02/25/25
n-Butylbenzene	ND		ug/Kg	5.0	1.0	02/25/25	02/25/25
1,2-Dichlorobenzene	ND		ug/Kg	5.0	0.7	02/25/25	02/25/25
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	5.0	1.8	02/25/25	02/25/25
1,2,4-Trichlorobenzene	ND		ug/Kg	5.0	1.3	02/25/25	02/25/25
Hexachlorobutadiene	ND		ug/Kg	5.0	1.0	02/25/25	02/25/25
Naphthalene	ND		ug/Kg	5.0	1.1	02/25/25	02/25/25
1,2,3-Trichlorobenzene	ND		ug/Kg	5.0	1.1	02/25/25	02/25/25
Xylene (total)	ND		ug/Kg	5.0		02/25/25	02/25/25
Surrogates				**Limits**			
Dibromofluoromethane	89%		%REC	70-130		02/25/25	02/25/25
1,2-Dichloroethane-d4	95%		%REC	70-145		02/25/25	02/25/25
Toluene-d8	101%		%REC	70-145		02/25/25	02/25/25
Bromofluorobenzene	102%		%REC	70-145		02/25/25	02/25/25

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Batch QC

Type: Blank	Lab ID: QC1232788	Batch: 364085
Matrix: Soil	Method: EPA 8260B	Prep Method: EPA 5035

QC1232788 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
3-Chloropropene	ND		ug/Kg	250	35	02/25/25	02/25/25
cis-1,4-Dichloro-2-butene	ND		ug/Kg	250	72	02/25/25	02/25/25
trans-1,4-Dichloro-2-butene	ND		ug/Kg	250	62	02/25/25	02/25/25
Freon 12	ND		ug/Kg	250	95	02/25/25	02/25/25
Chloromethane	ND		ug/Kg	250	110	02/25/25	02/25/25
Vinyl Chloride	ND		ug/Kg	250	16	02/25/25	02/25/25
Bromomethane	ND		ug/Kg	250	180	02/25/25	02/25/25
Chloroethane	ND		ug/Kg	270	270	02/25/25	02/25/25
Trichlorofluoromethane	ND		ug/Kg	250	55	02/25/25	02/25/25
Acetone	ND		ug/Kg	5,000	3,600	02/25/25	02/25/25
Freon 113	ND		ug/Kg	250	30	02/25/25	02/25/25
1,1-Dichloroethene	ND		ug/Kg	250	29	02/25/25	02/25/25
Methylene Chloride	ND		ug/Kg	860	860	02/25/25	02/25/25
MTBE	ND		ug/Kg	250	91	02/25/25	02/25/25
trans-1,2-Dichloroethene	ND		ug/Kg	250	28	02/25/25	02/25/25
1,1-Dichloroethane	ND		ug/Kg	250	65	02/25/25	02/25/25
2-Butanone	ND		ug/Kg	5,000	120	02/25/25	02/25/25
cis-1,2-Dichloroethene	ND		ug/Kg	250	33	02/25/25	02/25/25
2,2-Dichloropropane	ND		ug/Kg	250	44	02/25/25	02/25/25
Chloroform	ND		ug/Kg	250	81	02/25/25	02/25/25
Bromochloromethane	ND		ug/Kg	250	83	02/25/25	02/25/25
1,1,1-Trichloroethane	ND		ug/Kg	250	62	02/25/25	02/25/25
1,1-Dichloropropene	ND		ug/Kg	250	62	02/25/25	02/25/25
Carbon Tetrachloride	ND		ug/Kg	250	64	02/25/25	02/25/25
1,2-Dichloroethane	ND		ug/Kg	250	100	02/25/25	02/25/25
Benzene	ND		ug/Kg	250	17	02/25/25	02/25/25
Trichloroethene	ND		ug/Kg	250	16	02/25/25	02/25/25
1,2-Dichloropropane	ND		ug/Kg	250	31	02/25/25	02/25/25
Bromodichloromethane	ND		ug/Kg	250	54	02/25/25	02/25/25
Dibromomethane	ND		ug/Kg	250	63	02/25/25	02/25/25
4-Methyl-2-Pentanone	ND		ug/Kg	250	110	02/25/25	02/25/25
cis-1,3-Dichloropropene	ND		ug/Kg	250	87	02/25/25	02/25/25
Toluene	ND		ug/Kg	250	45	02/25/25	02/25/25
trans-1,3-Dichloropropene	ND		ug/Kg	250	89	02/25/25	02/25/25
1,1,2-Trichloroethane	ND		ug/Kg	250	59	02/25/25	02/25/25
1,3-Dichloropropane	ND		ug/Kg	250	41	02/25/25	02/25/25
Tetrachloroethene	ND		ug/Kg	250	17	02/25/25	02/25/25
Dibromochloromethane	ND		ug/Kg	250	91	02/25/25	02/25/25
1,2-Dibromoethane	ND		ug/Kg	250	58	02/25/25	02/25/25
Chlorobenzene	ND		ug/Kg	250	57	02/25/25	02/25/25
1,1,1,2-Tetrachloroethane	ND		ug/Kg	250	67	02/25/25	02/25/25
Ethylbenzene	ND		ug/Kg	250	51	02/25/25	02/25/25
m,p-Xylenes	ND		ug/Kg	500	38	02/25/25	02/25/25
o-Xylene	ND		ug/Kg	250	45	02/25/25	02/25/25
Styrene	ND		ug/Kg	250	51	02/25/25	02/25/25
Bromoform	ND		ug/Kg	250	140	02/25/25	02/25/25
Isopropylbenzene	ND		ug/Kg	250	56	02/25/25	02/25/25

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Batch QC

QC1232788 Analyte	Result	Qual	Units	RL	MDL	Prepared	Analyzed
1,1,2,2-Tetrachloroethane	ND		ug/Kg	250	43	02/25/25	02/25/25
1,2,3-Trichloropropane	ND		ug/Kg	250	52	02/25/25	02/25/25
Propylbenzene	ND		ug/Kg	250	42	02/25/25	02/25/25
Bromobenzene	ND		ug/Kg	250	76	02/25/25	02/25/25
1,3,5-Trimethylbenzene	ND		ug/Kg	250	46	02/25/25	02/25/25
2-Chlorotoluene	ND		ug/Kg	250	45	02/25/25	02/25/25
4-Chlorotoluene	ND		ug/Kg	250	42	02/25/25	02/25/25
tert-Butylbenzene	ND		ug/Kg	250	52	02/25/25	02/25/25
1,2,4-Trimethylbenzene	ND		ug/Kg	250	45	02/25/25	02/25/25
sec-Butylbenzene	ND		ug/Kg	250	48	02/25/25	02/25/25
para-Isopropyl Toluene	ND		ug/Kg	250	54	02/25/25	02/25/25
1,3-Dichlorobenzene	ND		ug/Kg	250	62	02/25/25	02/25/25
1,4-Dichlorobenzene	ND		ug/Kg	250	61	02/25/25	02/25/25
n-Butylbenzene	ND		ug/Kg	250	36	02/25/25	02/25/25
1,2-Dichlorobenzene	ND		ug/Kg	250	64	02/25/25	02/25/25
1,2-Dibromo-3-Chloropropane	ND		ug/Kg	250	74	02/25/25	02/25/25
1,2,4-Trichlorobenzene	ND		ug/Kg	250	51	02/25/25	02/25/25
Hexachlorobutadiene	ND		ug/Kg	250	82	02/25/25	02/25/25
Naphthalene	ND		ug/Kg	250	130	02/25/25	02/25/25
1,2,3-Trichlorobenzene	ND		ug/Kg	250	35	02/25/25	02/25/25
Xylene (total)	ND		ug/Kg	250		02/25/25	02/25/25
Surrogates				**Limits**			
Dibromofluoromethane	84%		%REC	70-130		02/25/25	02/25/25
1,2-Dichloroethane-d4	93%		%REC	70-145		02/25/25	02/25/25
Toluene-d8	102%		%REC	70-145		02/25/25	02/25/25
Bromofluorobenzene	102%		%REC	70-145		02/25/25	02/25/25

Type:	**Matrix Spike**	**Lab ID:**	**QC1233085**	**Batch:**	**364085**
Matrix (Source ID):	**Soil (527170-001)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1233085 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	DF
1,1-Dichloroethene	22.30	ND	21.51	ug/Kg	104%		70-141	1.1
MTBE	23.23	ND	21.51	ug/Kg	108%		59-130	1.1
Benzene	26.07	ND	21.51	ug/Kg	121%		70-130	1.1
Trichloroethene	23.69	ND	21.51	ug/Kg	110%		69-130	1.1
Toluene	25.48	ND	21.51	ug/Kg	118%		70-130	1.1
Chlorobenzene	24.66	ND	21.51	ug/Kg	115%		70-130	1.1
Surrogates								
Dibromofluoromethane	51.07		53.76	ug/Kg	95%		70-145	1.1
1,2-Dichloroethane-d4	50.81		53.76	ug/Kg	94%		70-145	1.1
Toluene-d8	54.08		53.76	ug/Kg	101%		70-145	1.1
Bromofluorobenzene	55.50		53.76	ug/Kg	103%		70-145	1.1

ENTHALPY ANALYTICAL

Batch QC

Type:	**Matrix Spike Duplicate**	**Lab ID:**	**QC1233086**	**Batch:**	**364085**
Matrix (Source ID):	**Soil (527170-001)**	**Method:**	**EPA 8260B**	**Prep Method:**	**EPA 5030B**

QC1233086 Analyte	Result	Source Sample Result	Spiked	Units	Recovery	Qual	Limits	RPD	RPD Lim	DF
1,1-Dichloroethene	22.31	ND	21.60	ug/Kg	103%		70-141	0	43	1.1
MTBE	23.48	ND	21.60	ug/Kg	109%		59-130	1	30	1.1
Benzene	26.38	ND	21.60	ug/Kg	122%		70-130	1	30	1.1
Trichloroethene	24.50	ND	21.60	ug/Kg	113%		69-130	3	30	1.1
Toluene	26.16	ND	21.60	ug/Kg	121%		70-130	2	30	1.1
Chlorobenzene	25.57	ND	21.60	ug/Kg	118%		70-130	3	30	1.1
Surrogates										
Dibromofluoromethane	50.51		54.00	ug/Kg	94%		70-145			1.1
1,2-Dichloroethane-d4	51.10		54.00	ug/Kg	95%		70-145			1.1
Toluene-d8	55.01		54.00	ug/Kg	102%		70-145			1.1
Bromofluorobenzene	55.30		54.00	ug/Kg	102%		70-145			1.1

* Value is outside QC limits
ND Not Detected

Laboratory Job Number 527314

Subcontracted Products

AmeriSci Los Angeles

Please Reply To:

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

LABORATORY ELECTRONIC TRANSMITTAL

To: Project Manager
Enthalpy Analytical
Fax #:

From: Thu M. Nguyen
AmeriSci Job #: 925021242
Subject: PLM-Bulk-Qualitative 24 hour Res
Client Project: EO-527314

Email: incomingreports@enthalpy.com, Jim.lin@enthalpy.com

Date: Wednesday, February 26, 2025
Time: 11:10:06
Comments:

Number of Pages: _____
(including cover sheet)

NOTE: Attached report is to be considered preliminary until final review with accompanying analysis summary letter is issued.

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Enthalpy Analytical
Attn: Project Manager
931 W. Barkley Ave.

Orange, CA 92868

Date Received 02/25/25
Date Examined 02/25/25

RE: EO-527314

AmeriSci Job # 925021242
P.O. #
Page 1 **of** 1

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
527314-001	925021242-01	***No***	NVA [1]

Location: WRDB-1

by Thu M. Nguyen
on 02/25/25

Analyst Description: Gray/Black, Heterogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: NVA NAD

Reporting Notes:

(1) Qualitative PLM result may not be reliable for soil, tape, dust or debris samples due to high variability in particle and aggregate size.

Analyzed by: Thu M. Nguyen
Date: 2/25/2025

Reviewed by: Lateef McIntosh

*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; NVA = No Visible Asbestos; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/R-93/116, including requirements for EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.

ENTHALPY

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

Subcontract Laboratory:
AmeriSci Los Angeles
24416 S. Main Street
Suite 308
Carson, CA 90745
ATTN: Sample Control
PO #: Required, to be sent via email

Enthalpy Order: EO-527314
PM: Jim Lin
Email: Jim.lin@enthalpy.com
CC: incomingreports@enthalpy.com
Phone: 818-319-2359

92502124Z

Results Due: 02/26/25
Report Level: II
Report To: MDL
EDDs:

Notes:

Sample ID	Collected	Lab ID	# Cont.	Matrix	Analysis Requested	Comment
WRDB-1	24-FEB-2025 12:00	527314-001	1	Soil	Asbestos by PLM	Present or Absent

Notes:	Relinquished By:	Received By:
	[signature]	[signature]
	Date: 2/25/25	Date: 2/25/25 @ 1405
	Date:	Date:
	Date:	Date: