



Client: Mr. Gordon Binkhorst
Pure Earth
475 Riverside Drive, Suite 860
New York, NY 10115

Analytical Report

CET# 3070615

Report Date: August 03, 2023
Project: RMS, Various



Connecticut Laboratory Certificate: PH 0116
Massachusetts Laboratory Certificate: M-CT903
Rhode Island Laboratory Certificate: 199

New York NELAP Accreditation: 11982
Pennsylvania Laboratory Certificate: 68-02927

SAMPLE SUMMARY

The sample(s) were received at 6.0°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
22 KSM 154	3070615-01	Solid	12/06/2022	07/21/2023
22 MSA 082	3070615-02	Solid	11/27/2022	07/21/2023
22 MSA 065	3070615-03	Solid	11/26/2022	07/21/2023
22 NBI 049	3070615-04	Solid	11/23/2022	07/21/2023
22 MSA 110	3070615-05	Solid	11/28/2022	07/21/2023
22 KSM 127	3070615-06	Solid	12/04/2022	07/21/2023
22 NBI 040	3070615-07	Solid	11/23/2022	07/21/2023
22 KSM 165	3070615-08	Solid	12/06/2022	07/21/2023
22 NBI 001	3070615-09	Solid	11/21/2022	07/21/2023
22 NBI 002	3070615-10	Solid	11/21/2022	07/21/2023
22 NBI 004	3070615-11	Solid	11/21/2022	07/21/2023
22 NBI 013	3070615-12	Solid	11/21/2022	07/21/2023
22 NBI 012	3070615-13	Solid	11/21/2022	07/21/2023
22 MSA 056	3070615-14	Solid	11/26/2022	07/21/2023
22 MSA 067	3070615-15	Solid	11/26/2022	07/21/2023
22 MSA 068	3070615-16	Solid	11/26/2022	07/21/2023
22 KSM 115	3070615-17	Solid	12/03/2022	07/21/2023
22 KSM 122	3070615-18	Solid	12/03/2022	07/21/2023
22 NBI 025	3070615-19	Solid	11/23/2022	07/21/2023
22 MSA 074	3070615-20	Solid	11/27/2022	07/21/2023
12 CHO 078	3070615-21	Solid	12/08/2022	07/21/2023
12 CHO 097	3070615-22	Solid	12/08/2022	07/21/2023
12 OSH 163	3070615-23	Solid	12/22/2022	07/21/2023
12 BIS 026	3070615-24	Solid	12/06/2022	07/21/2023
12 BIS 027	3070615-25	Solid	12/06/2022	07/21/2023
12 OSH 134	3070615-26	Solid	12/20/2022	07/21/2023
26 LAH 047	3070615-27	Solid	11/29/2022	07/21/2023
26 RAW 021	3070615-28	Solid	12/04/2022	07/21/2023
26 LAH 009	3070615-29	Solid	11/28/2022	07/21/2023
26 LAH 017	3070615-30	Solid	11/29/2022	07/21/2023

CET # : 3070615
Project: RMS, Various

Analyte: Total Lead [EPA 6020A]

Analyst: SS

Prep: EPA 3051A

Matrix: Solid

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3070615-01	22 KSM 154	ND	0.50	mg/kg (As Rec)	1	B3G2711	07/27/2023	08/01/2023 17:27	
3070615-02	22 MSA 082	ND	0.50	mg/kg (As Rec)	1	B3G2711	07/27/2023	08/01/2023 17:32	
3070615-03	22 MSA 065	ND	0.50	mg/kg (As Rec)	1	B3G2534	07/25/2023	07/27/2023 17:20	
3070615-04	22 NBI 049	ND	0.50	mg/kg (As Rec)	1	B3G2511	07/25/2023	07/27/2023 12:23	
3070615-05	22 MSA 110	ND	0.50	mg/kg (As Rec)	1	B3G2511	07/25/2023	07/27/2023 12:27	
3070615-06	22 KSM 127	ND	0.50	mg/kg (As Rec)	1	B3G2511	07/25/2023	07/27/2023 12:32	
3070615-07	22 NBI 040	810	0.50	mg/kg (As Rec)	1	B3G2622	07/26/2023	07/28/2023 13:18	
3070615-08	22 KSM 165	1600	0.50	mg/kg (As Rec)	1	B3G2622	07/26/2023	07/28/2023 13:23	
3070615-09	22 NBI 001	ND	0.50	mg/kg (As Rec)	1	B3G2511	07/25/2023	07/27/2023 12:37	
3070615-10	22 NBI 002	5.1	0.50	mg/kg (As Rec)	1	B3G2511	07/25/2023	07/27/2023 12:42	
3070615-11	22 NBI 004	ND	0.50	mg/kg (As Rec)	1	B3G2511	07/25/2023	07/27/2023 12:46	
3070615-12	22 NBI 013	ND	0.50	mg/kg (As Rec)	1	B3G2511	07/25/2023	07/27/2023 12:51	
3070615-13	22 NBI 012	1.2	0.50	mg/kg (As Rec)	1	B3G2511	07/25/2023	07/27/2023 12:56	
3070615-14	22 MSA 056	ND	0.50	mg/kg (As Rec)	1	B3G2511	07/25/2023	07/27/2023 14:30	
3070615-15	22 MSA 067	ND	0.50	mg/kg (As Rec)	1	B3G2511	07/25/2023	07/27/2023 14:35	
3070615-16	22 MSA 068	ND	0.50	mg/kg (As Rec)	1	B3G2511	07/25/2023	07/27/2023 14:39	
3070615-17	22 KSM 115	ND	0.50	mg/kg (As Rec)	1	B3G2511	07/25/2023	07/27/2023 14:44	
3070615-18	22 KSM 122	1.1	0.50	mg/kg (As Rec)	1	B3G2511	07/25/2023	07/27/2023 15:17	
3070615-19	22 NBI 025	69	0.50	mg/kg (As Rec)	1	B3G2622	07/26/2023	07/28/2023 13:27	
3070615-20	22 MSA 074	17	0.50	mg/kg (As Rec)	1	B3G2622	07/26/2023	07/28/2023 13:32	
3070615-21	12 CHO 078	2.1	0.50	mg/kg (As Rec)	1	B3G2534	07/25/2023	07/27/2023 17:25	
3070615-22	12 CHO 097	230	0.50	mg/kg (As Rec)	1	B3G2622	07/26/2023	07/28/2023 13:37	
3070615-23	12 OSH 163	1.1	0.50	mg/kg (As Rec)	1	B3G2622	07/26/2023	07/28/2023 13:41	

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Analyte: Total Lead [EPA 6020A]

Analyst: SS

Prep: EPA 3051A

Matrix: Solid

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
3070615-24	12 BIS 026	ND	0.50	mg/kg (As Rec)	1	B3G2622	07/26/2023	07/28/2023 13:56	
3070615-25	12 BIS 027	32	2.0	mg/kg (As Rec)	1	B3G2622	07/26/2023	08/01/2023 18:53	
3070615-26	12 OSH 134	4.0	2.0	mg/kg (As Rec)	1	B3G2622	07/26/2023	08/01/2023 18:57	
3070615-27	26 LAH 047	290000	0.50	mg/kg (As Rec)	1	B3G2534	07/25/2023	07/28/2023 13:13	
3070615-28	26 RAW 021	0.98	0.50	mg/kg (As Rec)	1	B3G2711	07/27/2023	08/01/2023 17:37	
3070615-29	26 LAH 009	39	0.50	mg/kg (As Rec)	1	B3G2622	07/26/2023	07/28/2023 14:10	
3070615-30	26 LAH 017	56	0.50	mg/kg (As Rec)	1	B3G2622	07/26/2023	07/28/2023 14:15	

CET # : 3070615

Project: RMS, Various

QUALITY CONTROL SECTION

Batch B3G2511 - EPA 6020A

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B3G2511-BLK1)					Prepared: 7/25/2023 Analyzed: 7/27/2023				
Lead	ND	0.50							
LCS (B3G2511-BS1)					Prepared: 7/25/2023 Analyzed: 7/27/2023				
Lead	0.920	0.50	0.935		98.4	80 - 120			

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Batch B3G2534 - EPA 6020A

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B3G2534-BLK1)					Prepared: 7/25/2023 Analyzed: 7/27/2023				
Lead	ND	0.50							
LCS (B3G2534-BS1)					Prepared: 7/25/2023 Analyzed: 7/27/2023				
Lead	0.869	0.50	0.967		89.8	80 - 120			

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Project: RMS, Various

Batch B3G2622 - EPA 6020A

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Blank (B3G2622-BLK1)

Prepared: 7/26/2023 Analyzed: 7/28/2023

Lead ND 0.50

LCS (B3G2622-BS1)

Prepared: 7/26/2023 Analyzed: 7/28/2023

Lead 0.889 0.50 0.992 89.6 80 - 120

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Project: RMS, Various

Batch B3G2711 - EPA 6020A

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B3G2711-BLK1)					Prepared: 7/27/2023 Analyzed: 8/1/2023				
Lead	ND	0.50							
LCS (B3G2711-BS1)					Prepared: 7/27/2023 Analyzed: 8/1/2023				
Lead	0.874	0.50	0.914		95.7	80 - 120			



80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
email: cet1@cetlabs.com

Quality Control Definitions and Abbreviations

Internal Standard (IS)	An Analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Recovery	The % recovery for non-target organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration Batch	An analytical standard analyzed with each set of samples to verify initial calibration of the system. Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period.
ND	Not detected at or above the specified reporting limit.
RL	RL is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.
Dilution	Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate Result	Result from the duplicate analysis of a sample. Amount of analyte found in a sample.
Spike Level	Amount of analyte added to a sample
Matrix Spike Result	Amount of analyte found including amount that was spiked.
Matrix Spike Dup	Amount of analyte found in duplicate spikes including amount that was spike.
Matrix Spike % Recovery	% Recovery of spiked amount in sample.
Matrix Spike Dup % Recovery	% Recovery of spiked duplicate amount in sample.
RPD	Relative percent difference between Matrix Spike and Matrix Spike Duplicate.
Blank	Method Blank that has been taken through all steps of the analysis.
LCS % Recovery	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
Recovery Limits	A range within which specified measurements results must fall to be compliant.
CC	Calibration Verification

Flags:

- H- Recovery is above the control limits
- L- Recovery is below the control limits
- B- Compound detected in the Blank
- P- RPD of dual column results exceeds 40%
- #- Sample result too high for accurate spike recovery.



Connecticut Laboratory Certification PH0116
Massachusetts Laboratory Certification M-CT903
Pennsylvania NELAP Accreditation 68-02927

New York NELAP Accreditation 11982
Rhode Island Certification 199

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CASE NARRATIVE

No collection times provided by client on chain of custody for the following samples: 3070615-01 through -30.
Samples were analyzed past hold time per client request.

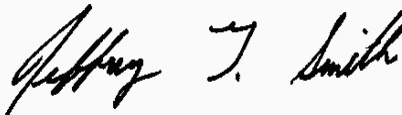
All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

This technical report was reviewed by Jeffrey Smith



David Ditta
Laboratory Director



Project Manager

This report shall not be reproduced except in full, without the written approval of the laboratory

Report Comments:

Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- +/- The Surrogate was diluted out.
- *C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- *C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- *F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- *F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- *I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit

Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.

CET # : 3070615
Project: RMS, Various

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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EPA 6020A in Solid

Lead	CT,NY,PA
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Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2024
NY	New York Certification (NELAC)	11982	04/01/2024
PA	Pennsylvania DEP	68-02927	05/31/2024



Volatile Soils Only:

Date and Time in Freezer

Client:

CET:

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80 Lupes Drive Stratford, CT 06615		Tel: (203) 377-9984 Fax: (203) 377-9952 e-mail: celservices@cellabs.com e-mail: bottleorders@cellabs.com		Matrix A=Air S=Soil W=Water DW=Drinking Water C=Cassette Solid Wipe Other (Specify)		Turnaround Time ** (check one)		8260 CT List 8260 Aromatics 8260 Halogens CT ETPH 8270 CT List 8270 PNAs PCBs <input type="checkbox"/> SOX <input type="checkbox"/> ASE Pesticides 8 RCRA 13 Priority Poll 15 CT DEP Total <u>Lead</u> SPLP TCLP Dissolved Field Filtered Lab to Filter		Metals		Additional Analysis	
Sample ID/Sample Depths (include Units for any sample depths provided)				Collection Date/Time		Same Day * Next Day * Two Day * Three Day * Std (5-7 Days)		8260 CT List 8260 Aromatics 8260 Halogens CT ETPH 8270 CT List 8270 PNAs PCBs <input type="checkbox"/> SOX <input type="checkbox"/> ASE Pesticides 8 RCRA 13 Priority Poll 15 CT DEP Total <u>Lead</u> SPLP TCLP Dissolved Field Filtered Lab to Filter		Metals		Additional Analysis	
22 KS4 154				12-6-22		Solid		1		1		1	
22 KS4 062 MSA 062				11-27-22				1		1		1	
22 MSA 065				11-26-22				1		1		1	
22 MBI 049				11-23-22				1		1		1	
22 MSA 110				11-28-22				1		1		1	
22 KS4 127				12-4-22				1		1		1	
22 MBI 040				11-23-22				1		1		1	
22 KS4 165				12-6-22				1		1		1	
22 MBI MBI 001				11-21-22				1		1		1	
22 MBI 002				11-21-22				1		1		1	
PRESERVATIVE (Cl-HCl, N-HNO ₃ , S-H ₂ SO ₄ , Na-NaOH, C-Cool, O-Other)													
CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, O-Other)													
Soil VOCs Only (M=MeOH B=Butanol W=Water F=Empy E=Encore)													
RELINQUISHED BY: <u>Sample</u> DATE/TIME: <u>7/21/13</u> RECEIVED BY: <u>CEC</u>													
RELINQUISHED BY: <u>CEC</u> DATE/TIME: <u>7/21/13</u> RECEIVED BY: <u>CEC</u>													
RELINQUISHED BY: <u>CEC</u> DATE/TIME: <u>7/21/13</u> RECEIVED BY: <u>CEC</u>													
Client / Reporting Information													
Company Name: <u>Pure Earth</u>													
Address: <u>475 Riverside Drive</u>													
City: <u>Ny Ny</u> State: <u>10115</u> Zip: <u>gondolawest@gmail.com</u>													
Report To: <u>Gordon Reinhardt</u> E-mail: <u>gordon@pureearth.com</u>													
Phone #: <u>860 573 6258</u> Fax #: <u></u>													
NOTES: <u>lowest detection limit possible</u>													
Project Information													
Project: <u>PMS</u> PO #: <u></u>													
Location: <u>various</u> Project #: <u></u>													
CET Quote # <u></u> Collector(s): <u>various</u>													
QA/QC: <input checked="" type="checkbox"/> Std <input type="checkbox"/> Site Specific (MS/MSD) * <input type="checkbox"/> RCP Pkg * <input type="checkbox"/> DQAW *													
Data Report <input checked="" type="checkbox"/> DFD <input type="checkbox"/> EDD - Specify Format <u></u> Other <u></u>													
BSR Reporting Limits (check one) <input type="checkbox"/> GA <input type="checkbox"/> GB <input type="checkbox"/> SWP <input type="checkbox"/> Other <u></u>													
Laboratory Certification Needed (check one) <input type="checkbox"/> CT <input type="checkbox"/> NY <input type="checkbox"/> RI <input type="checkbox"/> MA <input type="checkbox"/> PA													
Temp Upon Receipt: <u>6</u> °C Evidence of Cooling: <u>2</u> N PAGE <u>1</u> OF <u>7</u>													

REV. 12/18



Volatile Soils Only:

Date and Time in Freezer

Client:

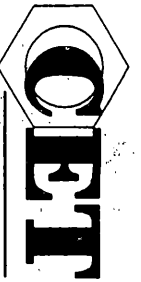
CET:

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+ Additional phone numbers available

****TAT begins when the samples are received at the lab and all inactive are resolved TAT for samples received after 3 p.m. will**

REV. 12/18



COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

Volatile Soils Only:

Date and Time in Freezer

Client:

CET:

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952

e-mail: cet-services@cellabs.com
e-mail: bottleorders@cellabs.com

Sample ID/Sample Depths (include Units for any sample depths provided)

Collection
Date/Time

Matrix
As-Air
S-Soil
W-Water
DW-Drinking
Water
C-Cassette
Solid
Wipe
Other
(Specify)

Turnaround Time **
(check one)
Same Day *
Next Day *
Two Day *
Three Day *
Std (5-7 Days)

8260 CT List

8260 Aromatics

8260 Halogens

CT ETPH

8270 CT List

8270 PNAs

PCBs ☐ SOX ☐ ASE

Pesticides

8 RCRA

13 Priority Poll

15 CT DEP

Total *hand*

SPLP

TCLP

Dissolved

Field Filtered

Lab to Filter

TOTAL # OF CONT.

NOTE #

12 CH0 078	12-8-22	Soil	
12 CH0 097	12-22-22	Soil	
12 OSH 163	12-22-22	Soil	
12 BIS 026	12-6-22	Soil	
12 BIS 027	12-20-22	Soil	
12 OSH 134	11-24-22	Soil	
26 LAH 047	11-24-22	Soil	
26 RAW 021	11-28-22	Soil	
26 LAH 009	11-28-22	Soil	
26 LAH 017	11-24-22	Soil	

PRESERVATIVE (Cl-HCl, N-HNO₃, S-H₂SO₄, Na-NaOH, C-Cool, O-Other)

CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, O-Other)

Soil VOCs Only (M=MeOH B=Bisulfate Empty F=Vial E=Encore)

RELINQUISHED BY: DATE/TIME RECEIVED BY: DATE/TIME

Client / Reporting Information

Company Name: Pure Earth

Address: State: ZIP:

City: Report To: E-mail: Phone #: Fax #:

NOTES:

Project: RMS PO #: Project Information

Location: Project #:

CET Quote # Collector(s):

QA/QC: ☒ Std ☐ Site Specific (MS/MSD) * ☐ RCP Pkg * ☐ DQAW *

Data Report: ☒ PDF ☐ EDD - Specify Format: Other: RSR Reporting Limits (check one) ☐ GA ☐ GB ☐ SWP Laboratory Certification Needed (check one) ☐ CT ☐ NY ☐ RI ☐ MA ☐ PA Temp Upon Receipt: *6* °C Evidence of Cooling: *Q* N PAGE *3* OF *7*

* Additional charge may apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day. All samples picked up by courier service will be considered next business day receipt for TAT purposes.