



29-Oct-2021

Angye Dragotta
Environmental Quality Management, Inc.
1800 Carillon Blvd
Cincinnati, OH 45240

Re: **Calumet Fire Site**

Work Order: **21101657**

Dear Angye,

ALS Environmental received 8 samples on 19-Oct-2021 09:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 31.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

A handwritten signature in black ink, appearing to read "Bill Carey".

Electronically approved by: Bill Carey

Bill Carey
Project Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental 

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RIGHT SOLUTIONS RIGHT PARTNER

Client: Environmental Quality Management, Inc.
Project: Calumet Fire Site
Work Order: 21101657

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
21101657-01	CF-VSR-01-101421	Soil		10/14/2021 14:10	10/19/2021 09:30	<input type="checkbox"/>
21101657-02	CF-VSR-02-101421	Soil		10/14/2021 14:20	10/19/2021 09:30	<input type="checkbox"/>
21101657-03	CF-VSR-03-101421	Soil		10/14/2021 16:30	10/19/2021 09:30	<input type="checkbox"/>
21101657-04	CF-VSR-04-101421	Soil		10/14/2021 16:32	10/19/2021 09:30	<input type="checkbox"/>
21101657-05	CF-VSR-05-101421	Soil		10/14/2021 16:34	10/19/2021 09:30	<input type="checkbox"/>
21101657-06	CF-VSR-06-101421	Soil		10/14/2021 16:36	10/19/2021 09:30	<input type="checkbox"/>
21101657-07	CF-VSR-07-101421	Soil		10/14/2021 16:38	10/19/2021 09:30	<input type="checkbox"/>
21101657-08	CF-VSR-08-101421	Soil		10/14/2021 16:40	10/19/2021 09:30	<input type="checkbox"/>

Client: Environmental Quality Management, Inc.
Project: Calumet Fire Site
WorkOrder: 21101657

QUALIFIERS, ACRONYMS, UNITS

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
mg/Kg-dry	Milligrams per Kilogram Dry Weight

Client: Environmental Quality Management, Inc.
Project: Calumet Fire Site
Work Order: 21101657

Case Narrative

The attached "Sample Receipt Checklist" documents the date of receipt, status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. A copy of the laboratory's scope of accreditation is available upon request.

Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting.

Any flags on MS/MSD samples not addressed in this narrative are unrelated to samples in this report.

With the following exceptions, all sample analyses achieved analytical criteria.

ALS Group, USA

Date: 29-Oct-2021

Client: Environmental Quality Management, Inc.

Project: Calumet Fire Site

Work Order: 21101657

Sample ID: CF-VSR-01-101421

Lab ID: 21101657-01

Collection Date: 10/14/2021 02:10 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			SW8260C	Prep: SW5035A 10/20/21 10:35		Analyst: BG
1,1,1-Trichloroethane	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
1,1,2,2-Tetrachloroethane	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
1,1,2-Trichloroethane	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
1,1,2-Trichlorotrifluoroethane	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
1,1-Dichloroethane	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
1,1-Dichloroethene	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
1,2,4-Trichlorobenzene	ND		0.14	mg/Kg-dry	1	10/27/2021 03:50 PM
1,2-Dibromo-3-chloropropane	ND		0.14	mg/Kg-dry	1	10/27/2021 03:50 PM
1,2-Dibromoethane	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
1,2-Dichlorobenzene	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
1,2-Dichloroethane	ND		0.14	mg/Kg-dry	1	10/27/2021 03:50 PM
1,2-Dichloropropane	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
1,3-Dichlorobenzene	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
1,4-Dichlorobenzene	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
2-Butanone	ND		0.28	mg/Kg-dry	1	10/27/2021 03:50 PM
2-Hexanone	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
4-Methyl-2-pentanone	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Acetone	0.42		0.14	mg/Kg-dry	1	10/27/2021 03:50 PM
Benzene	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Bromodichloromethane	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Bromoform	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Bromomethane	ND		0.14	mg/Kg-dry	1	10/27/2021 03:50 PM
Carbon disulfide	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Carbon tetrachloride	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Chlorobenzene	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Chloroethane	ND		0.14	mg/Kg-dry	1	10/27/2021 03:50 PM
Chloroform	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Chloromethane	ND		0.14	mg/Kg-dry	1	10/27/2021 03:50 PM
cis-1,2-Dichloroethene	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
cis-1,3-Dichloropropene	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Cyclohexane	ND		0.14	mg/Kg-dry	1	10/27/2021 03:50 PM
Dibromochloromethane	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Dichlorodifluoromethane	ND		0.14	mg/Kg-dry	1	10/27/2021 03:50 PM
Ethylbenzene	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Isopropylbenzene	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Methyl acetate	ND		0.35	mg/Kg-dry	1	10/27/2021 03:50 PM
Methyl tert-butyl ether	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Methylcyclohexane	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Oct-2021

Client: Environmental Quality Management, Inc.

Project: Calumet Fire Site

Work Order: 21101657

Sample ID: CF-VSR-01-101421

Lab ID: 21101657-01

Collection Date: 10/14/2021 02:10 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		0.35	mg/Kg-dry	1	10/27/2021 03:50 PM
Styrene	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Tetrachloroethene	1.5		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Toluene	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
trans-1,2-Dichloroethene	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
trans-1,3-Dichloropropene	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Trichloroethene	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Trichlorofluoromethane	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Vinyl chloride	ND		0.041	mg/Kg-dry	1	10/27/2021 03:50 PM
Xylenes, Total	ND		0.12	mg/Kg-dry	1	10/27/2021 03:50 PM
Surr: 1,2-Dichloroethane-d4	85.2		70-130	%REC	1	10/27/2021 03:50 PM
Surr: 4-Bromofluorobenzene	93.0		70-130	%REC	1	10/27/2021 03:50 PM
Surr: Dibromofluoromethane	82.7		70-130	%REC	1	10/27/2021 03:50 PM
Surr: Toluene-d8	95.1		70-130	%REC	1	10/27/2021 03:50 PM
MOISTURE			SW3550C			Analyst: ALG
Moisture	13		0.10	% of sample	1	10/21/2021 03:40 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Oct-2021

Client: Environmental Quality Management, Inc.
Project: Calumet Fire Site
Sample ID: CF-VSR-02-101421
Collection Date: 10/14/2021 02:20 PM

Work Order: 21101657
Lab ID: 21101657-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			SW8260C	Prep: SW5035A 10/20/21 10:35		Analyst: BG
1,1,1-Trichloroethane	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
1,1,2,2-Tetrachloroethane	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
1,1,2-Trichloroethane	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
1,1,2-Trichlorotrifluoroethane	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
1,1-Dichloroethane	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
1,1-Dichloroethene	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
1,2,4-Trichlorobenzene	ND		0.15	mg/Kg-dry	1	10/27/2021 04:07 PM
1,2-Dibromo-3-chloropropane	ND		0.15	mg/Kg-dry	1	10/27/2021 04:07 PM
1,2-Dibromoethane	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
1,2-Dichlorobenzene	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
1,2-Dichloroethane	ND		0.15	mg/Kg-dry	1	10/27/2021 04:07 PM
1,2-Dichloropropane	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
1,3-Dichlorobenzene	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
1,4-Dichlorobenzene	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
2-Butanone	ND		0.29	mg/Kg-dry	1	10/27/2021 04:07 PM
2-Hexanone	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
4-Methyl-2-pentanone	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Acetone	0.18		0.15	mg/Kg-dry	1	10/27/2021 04:07 PM
Benzene	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Bromodichloromethane	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Bromoform	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Bromomethane	ND		0.15	mg/Kg-dry	1	10/27/2021 04:07 PM
Carbon disulfide	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Carbon tetrachloride	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Chlorobenzene	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Chloroethane	ND		0.15	mg/Kg-dry	1	10/27/2021 04:07 PM
Chloroform	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Chloromethane	ND		0.15	mg/Kg-dry	1	10/27/2021 04:07 PM
cis-1,2-Dichloroethene	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
cis-1,3-Dichloropropene	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Cyclohexane	ND		0.15	mg/Kg-dry	1	10/27/2021 04:07 PM
Dibromochloromethane	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Dichlorodifluoromethane	ND		0.15	mg/Kg-dry	1	10/27/2021 04:07 PM
Ethylbenzene	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Isopropylbenzene	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Methyl acetate	0.37		0.36	mg/Kg-dry	1	10/27/2021 04:07 PM
Methyl tert-butyl ether	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Methylcyclohexane	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Oct-2021

Client: Environmental Quality Management, Inc.

Project: Calumet Fire Site

Work Order: 21101657

Sample ID: CF-VSR-02-101421

Lab ID: 21101657-02

Collection Date: 10/14/2021 02:20 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		0.36	mg/Kg-dry	1	10/27/2021 04:07 PM
Styrene	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Tetrachloroethene	13		0.22	mg/Kg-dry	5	10/28/2021 07:03 PM
Toluene	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
trans-1,2-Dichloroethene	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
trans-1,3-Dichloropropene	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Trichloroethene	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Trichlorofluoromethane	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Vinyl chloride	ND		0.044	mg/Kg-dry	1	10/27/2021 04:07 PM
Xylenes, Total	ND		0.13	mg/Kg-dry	1	10/27/2021 04:07 PM
Surr: 1,2-Dichloroethane-d4	85.0		70-130	%REC	1	10/27/2021 04:07 PM
Surr: 1,2-Dichloroethane-d4	116		70-130	%REC	5	10/28/2021 07:03 PM
Surr: 4-Bromofluorobenzene	94.7		70-130	%REC	1	10/27/2021 04:07 PM
Surr: 4-Bromofluorobenzene	91.1		70-130	%REC	5	10/28/2021 07:03 PM
Surr: Dibromofluoromethane	85.4		70-130	%REC	1	10/27/2021 04:07 PM
Surr: Dibromofluoromethane	103		70-130	%REC	5	10/28/2021 07:03 PM
Surr: Toluene-d8	106		70-130	%REC	5	10/28/2021 07:03 PM
Surr: Toluene-d8	95.2		70-130	%REC	1	10/27/2021 04:07 PM
MOISTURE			SW3550C			Analyst: ALG
Moisture	17		0.10	% of sample	1	10/21/2021 03:40 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Oct-2021

Client: Environmental Quality Management, Inc.
Project: Calumet Fire Site
Sample ID: CF-VSR-03-101421
Collection Date: 10/14/2021 04:30 PM

Work Order: 21101657
Lab ID: 21101657-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			SW8260C	Prep: SW5035A 10/20/21 10:35		Analyst: BG
1,1,1-Trichloroethane	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
1,1,2,2-Tetrachloroethane	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
1,1,2-Trichloroethane	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
1,1,2-Trichlorotrifluoroethane	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
1,1-Dichloroethane	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
1,1-Dichloroethene	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
1,2,4-Trichlorobenzene	ND		0.15	mg/Kg-dry	1	10/27/2021 04:40 PM
1,2-Dibromo-3-chloropropane	ND		0.15	mg/Kg-dry	1	10/27/2021 04:40 PM
1,2-Dibromoethane	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
1,2-Dichlorobenzene	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
1,2-Dichloroethane	ND		0.15	mg/Kg-dry	1	10/27/2021 04:40 PM
1,2-Dichloropropane	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
1,3-Dichlorobenzene	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
1,4-Dichlorobenzene	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
2-Butanone	ND		0.30	mg/Kg-dry	1	10/27/2021 04:40 PM
2-Hexanone	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
4-Methyl-2-pentanone	0.10		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Acetone	0.16		0.15	mg/Kg-dry	1	10/27/2021 04:40 PM
Benzene	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Bromodichloromethane	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Bromoform	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Bromomethane	ND		0.15	mg/Kg-dry	1	10/27/2021 04:40 PM
Carbon disulfide	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Carbon tetrachloride	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Chlorobenzene	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Chloroethane	ND		0.15	mg/Kg-dry	1	10/27/2021 04:40 PM
Chloroform	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Chloromethane	ND		0.15	mg/Kg-dry	1	10/27/2021 04:40 PM
cis-1,2-Dichloroethene	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
cis-1,3-Dichloropropene	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Cyclohexane	ND		0.15	mg/Kg-dry	1	10/27/2021 04:40 PM
Dibromochloromethane	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Dichlorodifluoromethane	ND		0.15	mg/Kg-dry	1	10/27/2021 04:40 PM
Ethylbenzene	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Isopropylbenzene	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Methyl acetate	ND		0.38	mg/Kg-dry	1	10/27/2021 04:40 PM
Methyl tert-butyl ether	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Methylcyclohexane	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Oct-2021

Client: Environmental Quality Management, Inc.
Project: Calumet Fire Site
Sample ID: CF-VSR-03-101421
Collection Date: 10/14/2021 04:30 PM

Work Order: 21101657
Lab ID: 21101657-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		0.38	mg/Kg-dry	1	10/27/2021 04:40 PM
Styrene	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Tetrachloroethene	170		4.5	mg/Kg-dry	100	10/28/2021 07:20 PM
Toluene	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
trans-1,2-Dichloroethene	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
trans-1,3-Dichloropropene	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Trichloroethene	0.26		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Trichlorofluoromethane	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Vinyl chloride	ND		0.045	mg/Kg-dry	1	10/27/2021 04:40 PM
Xylenes, Total	ND		0.14	mg/Kg-dry	1	10/27/2021 04:40 PM
Surr: 1,2-Dichloroethane-d4	83.0		70-130	%REC	1	10/27/2021 04:40 PM
Surr: 1,2-Dichloroethane-d4	120		70-130	%REC	100	10/28/2021 07:20 PM
Surr: 4-Bromofluorobenzene	96.7		70-130	%REC	1	10/27/2021 04:40 PM
Surr: 4-Bromofluorobenzene	90.1		70-130	%REC	100	10/28/2021 07:20 PM
Surr: Dibromofluoromethane	81.5		70-130	%REC	1	10/27/2021 04:40 PM
Surr: Dibromofluoromethane	106		70-130	%REC	100	10/28/2021 07:20 PM
Surr: Toluene-d8	107		70-130	%REC	100	10/28/2021 07:20 PM
Surr: Toluene-d8	99.2		70-130	%REC	1	10/27/2021 04:40 PM
MOISTURE			SW3550C			Analyst: ALG
Moisture	20		0.10	% of sample	1	10/21/2021 03:40 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Environmental Quality Management, Inc.
Project: Calumet Fire Site
Sample ID: CF-VSR-04-101421
Collection Date: 10/14/2021 04:32 PM

Work Order: 21101657
Lab ID: 21101657-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			SW8260C	Prep: SW5035A 10/20/21 10:35		Analyst: BG
1,1,1-Trichloroethane	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
1,1,2,2-Tetrachloroethane	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
1,1,2-Trichloroethane	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
1,1,2-Trichlorotrifluoroethane	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
1,1-Dichloroethane	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
1,1-Dichloroethene	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
1,2,4-Trichlorobenzene	ND		0.14	mg/Kg-dry	1	10/27/2021 04:57 PM
1,2-Dibromo-3-chloropropane	ND		0.14	mg/Kg-dry	1	10/27/2021 04:57 PM
1,2-Dibromoethane	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
1,2-Dichlorobenzene	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
1,2-Dichloroethane	ND		0.14	mg/Kg-dry	1	10/27/2021 04:57 PM
1,2-Dichloropropane	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
1,3-Dichlorobenzene	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
1,4-Dichlorobenzene	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
2-Butanone	ND		0.28	mg/Kg-dry	1	10/27/2021 04:57 PM
2-Hexanone	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
4-Methyl-2-pentanone	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Acetone	0.15		0.14	mg/Kg-dry	1	10/27/2021 04:57 PM
Benzene	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Bromodichloromethane	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Bromoform	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Bromomethane	ND		0.14	mg/Kg-dry	1	10/27/2021 04:57 PM
Carbon disulfide	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Carbon tetrachloride	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Chlorobenzene	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Chloroethane	ND		0.14	mg/Kg-dry	1	10/27/2021 04:57 PM
Chloroform	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Chloromethane	ND		0.14	mg/Kg-dry	1	10/27/2021 04:57 PM
cis-1,2-Dichloroethene	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
cis-1,3-Dichloropropene	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Cyclohexane	ND		0.14	mg/Kg-dry	1	10/27/2021 04:57 PM
Dibromochloromethane	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Dichlorodifluoromethane	ND		0.14	mg/Kg-dry	1	10/27/2021 04:57 PM
Ethylbenzene	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Isopropylbenzene	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Methyl acetate	ND		0.35	mg/Kg-dry	1	10/27/2021 04:57 PM
Methyl tert-butyl ether	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Methylcyclohexane	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Oct-2021

Client: Environmental Quality Management, Inc.
Project: Calumet Fire Site
Sample ID: CF-VSR-04-101421
Collection Date: 10/14/2021 04:32 PM

Work Order: 21101657
Lab ID: 21101657-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		0.35	mg/Kg-dry	1	10/27/2021 04:57 PM
Styrene	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Tetrachloroethene	2.9		0.042	mg/Kg-dry	1	10/28/2021 07:54 PM
Toluene	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
trans-1,2-Dichloroethene	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
trans-1,3-Dichloropropene	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Trichloroethene	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Trichlorofluoromethane	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Vinyl chloride	ND		0.042	mg/Kg-dry	1	10/27/2021 04:57 PM
Xylenes, Total	ND		0.13	mg/Kg-dry	1	10/27/2021 04:57 PM
Surr: 1,2-Dichloroethane-d4	84.4		70-130	%REC	1	10/27/2021 04:57 PM
Surr: 1,2-Dichloroethane-d4	98.3		70-130	%REC	1	10/28/2021 07:54 PM
Surr: 4-Bromofluorobenzene	94.3		70-130	%REC	1	10/27/2021 04:57 PM
Surr: 4-Bromofluorobenzene	97.8		70-130	%REC	1	10/28/2021 07:54 PM
Surr: Dibromofluoromethane	82.8		70-130	%REC	1	10/27/2021 04:57 PM
Surr: Dibromofluoromethane	102		70-130	%REC	1	10/28/2021 07:54 PM
Surr: Toluene-d8	97.2		70-130	%REC	1	10/28/2021 07:54 PM
Surr: Toluene-d8	96.6		70-130	%REC	1	10/27/2021 04:57 PM
MOISTURE			SW3550C			Analyst: ALG
Moisture	16		0.10	% of sample	1	10/21/2021 03:40 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Environmental Quality Management, Inc.

Project: Calumet Fire Site

Work Order: 21101657

Sample ID: CF-VSR-05-101421

Lab ID: 21101657-05

Collection Date: 10/14/2021 04:34 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			SW8260C	Prep: SW5035A 10/20/21 10:35		Analyst: BG
1,1,1-Trichloroethane	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
1,1,2,2-Tetrachloroethane	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
1,1,2-Trichloroethane	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
1,1,2-Trichlorotrifluoroethane	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
1,1-Dichloroethane	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
1,1-Dichloroethene	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
1,2,4-Trichlorobenzene	ND		0.16	mg/Kg-dry	1	10/27/2021 05:14 PM
1,2-Dibromo-3-chloropropane	ND		0.16	mg/Kg-dry	1	10/27/2021 05:14 PM
1,2-Dibromoethane	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
1,2-Dichlorobenzene	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
1,2-Dichloroethane	ND		0.16	mg/Kg-dry	1	10/27/2021 05:14 PM
1,2-Dichloropropane	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
1,3-Dichlorobenzene	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
1,4-Dichlorobenzene	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
2-Butanone	ND		0.31	mg/Kg-dry	1	10/27/2021 05:14 PM
2-Hexanone	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
4-Methyl-2-pentanone	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Acetone	0.21		0.16	mg/Kg-dry	1	10/27/2021 05:14 PM
Benzene	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Bromodichloromethane	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Bromoform	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Bromomethane	ND		0.16	mg/Kg-dry	1	10/27/2021 05:14 PM
Carbon disulfide	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Carbon tetrachloride	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Chlorobenzene	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Chloroethane	ND		0.16	mg/Kg-dry	1	10/27/2021 05:14 PM
Chloroform	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Chloromethane	ND		0.16	mg/Kg-dry	1	10/27/2021 05:14 PM
cis-1,2-Dichloroethene	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
cis-1,3-Dichloropropene	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Cyclohexane	ND		0.16	mg/Kg-dry	1	10/27/2021 05:14 PM
Dibromochloromethane	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Dichlorodifluoromethane	ND		0.16	mg/Kg-dry	1	10/27/2021 05:14 PM
Ethylbenzene	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Isopropylbenzene	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Methyl acetate	0.41		0.39	mg/Kg-dry	1	10/27/2021 05:14 PM
Methyl tert-butyl ether	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Methylcyclohexane	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Oct-2021

Client: Environmental Quality Management, Inc.
Project: Calumet Fire Site
Sample ID: CF-VSR-05-101421
Collection Date: 10/14/2021 04:34 PM

Work Order: 21101657
Lab ID: 21101657-05
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		0.39	mg/Kg-dry	1	10/27/2021 05:14 PM
Styrene	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Tetrachloroethene	5.7		0.047	mg/Kg-dry	1	10/28/2021 08:11 PM
Toluene	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
trans-1,2-Dichloroethene	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
trans-1,3-Dichloropropene	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Trichloroethene	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Trichlorofluoromethane	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Vinyl chloride	ND		0.047	mg/Kg-dry	1	10/27/2021 05:14 PM
Xylenes, Total	ND		0.14	mg/Kg-dry	1	10/27/2021 05:14 PM
Surr: 1,2-Dichloroethane-d4	83.6		70-130	%REC	1	10/27/2021 05:14 PM
Surr: 1,2-Dichloroethane-d4	94.4		70-130	%REC	1	10/28/2021 08:11 PM
Surr: 4-Bromofluorobenzene	97.3		70-130	%REC	1	10/27/2021 05:14 PM
Surr: 4-Bromofluorobenzene	94.0		70-130	%REC	1	10/28/2021 08:11 PM
Surr: Dibromofluoromethane	83.5		70-130	%REC	1	10/27/2021 05:14 PM
Surr: Dibromofluoromethane	87.2		70-130	%REC	1	10/28/2021 08:11 PM
Surr: Toluene-d8	98.3		70-130	%REC	1	10/28/2021 08:11 PM
Surr: Toluene-d8	97.1		70-130	%REC	1	10/27/2021 05:14 PM
MOISTURE			SW3550C			Analyst: ALG
Moisture	18		0.10	% of sample	1	10/21/2021 03:40 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Environmental Quality Management, Inc.
Project: Calumet Fire Site
Sample ID: CF-VSR-06-101421
Collection Date: 10/14/2021 04:36 PM

Work Order: 21101657
Lab ID: 21101657-06
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			SW8260C	Prep: SW5035A 10/20/21 10:35		Analyst: BG
1,1,1-Trichloroethane	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
1,1,2,2-Tetrachloroethane	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
1,1,2-Trichloroethane	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
1,1,2-Trichlorotrifluoroethane	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
1,1-Dichloroethane	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
1,1-Dichloroethene	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
1,2,4-Trichlorobenzene	ND		0.15	mg/Kg-dry	1	10/27/2021 05:31 PM
1,2-Dibromo-3-chloropropane	ND		0.15	mg/Kg-dry	1	10/27/2021 05:31 PM
1,2-Dibromoethane	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
1,2-Dichlorobenzene	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
1,2-Dichloroethane	ND		0.15	mg/Kg-dry	1	10/27/2021 05:31 PM
1,2-Dichloropropane	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
1,3-Dichlorobenzene	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
1,4-Dichlorobenzene	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
2-Butanone	ND		0.31	mg/Kg-dry	1	10/27/2021 05:31 PM
2-Hexanone	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
4-Methyl-2-pentanone	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Acetone	0.26		0.15	mg/Kg-dry	1	10/27/2021 05:31 PM
Benzene	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Bromodichloromethane	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Bromoform	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Bromomethane	ND		0.15	mg/Kg-dry	1	10/27/2021 05:31 PM
Carbon disulfide	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Carbon tetrachloride	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Chlorobenzene	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Chloroethane	ND		0.15	mg/Kg-dry	1	10/27/2021 05:31 PM
Chloroform	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Chloromethane	ND		0.15	mg/Kg-dry	1	10/27/2021 05:31 PM
cis-1,2-Dichloroethene	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
cis-1,3-Dichloropropene	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Cyclohexane	ND		0.15	mg/Kg-dry	1	10/27/2021 05:31 PM
Dibromochloromethane	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Dichlorodifluoromethane	ND		0.15	mg/Kg-dry	1	10/27/2021 05:31 PM
Ethylbenzene	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Isopropylbenzene	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Methyl acetate	0.40		0.39	mg/Kg-dry	1	10/27/2021 05:31 PM
Methyl tert-butyl ether	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Methylcyclohexane	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Oct-2021

Client: Environmental Quality Management, Inc.

Project: Calumet Fire Site

Work Order: 21101657

Sample ID: CF-VSR-06-101421

Lab ID: 21101657-06

Collection Date: 10/14/2021 04:36 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		0.39	mg/Kg-dry	1	10/27/2021 05:31 PM
Styrene	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Tetrachloroethene	0.44		0.046	mg/Kg-dry	1	10/28/2021 08:28 PM
Toluene	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
trans-1,2-Dichloroethene	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
trans-1,3-Dichloropropene	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Trichloroethene	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Trichlorofluoromethane	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Vinyl chloride	ND		0.046	mg/Kg-dry	1	10/27/2021 05:31 PM
Xylenes, Total	ND		0.14	mg/Kg-dry	1	10/27/2021 05:31 PM
Surr: 1,2-Dichloroethane-d4	82.6		70-130	%REC	1	10/27/2021 05:31 PM
Surr: 1,2-Dichloroethane-d4	95.8		70-130	%REC	1	10/28/2021 08:28 PM
Surr: 4-Bromofluorobenzene	91.2		70-130	%REC	1	10/27/2021 05:31 PM
Surr: 4-Bromofluorobenzene	101		70-130	%REC	1	10/28/2021 08:28 PM
Surr: Dibromofluoromethane	82.7		70-130	%REC	1	10/27/2021 05:31 PM
Surr: Dibromofluoromethane	86.2		70-130	%REC	1	10/28/2021 08:28 PM
Surr: Toluene-d8	99.8		70-130	%REC	1	10/28/2021 08:28 PM
Surr: Toluene-d8	95.9		70-130	%REC	1	10/27/2021 05:31 PM
MOISTURE			SW3550C			Analyst: ALG
Moisture	18		0.10	% of sample	1	10/21/2021 03:40 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Oct-2021

Client: Environmental Quality Management, Inc.
Project: Calumet Fire Site
Sample ID: CF-VSR-07-101421
Collection Date: 10/14/2021 04:38 PM

Work Order: 21101657
Lab ID: 21101657-07
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			SW8260C	Prep: SW5035A 10/20/21 10:35		Analyst: BG
1,1,1-Trichloroethane	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
1,1,2,2-Tetrachloroethane	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
1,1,2-Trichloroethane	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
1,1,2-Trichlorotrifluoroethane	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
1,1-Dichloroethane	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
1,1-Dichloroethene	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
1,2,4-Trichlorobenzene	ND		0.14	mg/Kg-dry	1	10/27/2021 05:48 PM
1,2-Dibromo-3-chloropropane	ND		0.14	mg/Kg-dry	1	10/27/2021 05:48 PM
1,2-Dibromoethane	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
1,2-Dichlorobenzene	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
1,2-Dichloroethane	ND		0.14	mg/Kg-dry	1	10/27/2021 05:48 PM
1,2-Dichloropropane	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
1,3-Dichlorobenzene	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
1,4-Dichlorobenzene	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
2-Butanone	ND		0.29	mg/Kg-dry	1	10/27/2021 05:48 PM
2-Hexanone	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
4-Methyl-2-pentanone	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Acetone	0.21		0.14	mg/Kg-dry	1	10/27/2021 05:48 PM
Benzene	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Bromodichloromethane	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Bromoform	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Bromomethane	ND		0.14	mg/Kg-dry	1	10/27/2021 05:48 PM
Carbon disulfide	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Carbon tetrachloride	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Chlorobenzene	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Chloroethane	ND		0.14	mg/Kg-dry	1	10/27/2021 05:48 PM
Chloroform	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Chloromethane	ND		0.14	mg/Kg-dry	1	10/27/2021 05:48 PM
cis-1,2-Dichloroethene	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
cis-1,3-Dichloropropene	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Cyclohexane	ND		0.14	mg/Kg-dry	1	10/27/2021 05:48 PM
Dibromochloromethane	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Dichlorodifluoromethane	ND		0.14	mg/Kg-dry	1	10/27/2021 05:48 PM
Ethylbenzene	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Isopropylbenzene	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Methyl acetate	ND		0.36	mg/Kg-dry	1	10/27/2021 05:48 PM
Methyl tert-butyl ether	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Methylcyclohexane	0.77		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Oct-2021

Client: Environmental Quality Management, Inc.

Project: Calumet Fire Site

Work Order: 21101657

Sample ID: CF-VSR-07-101421

Lab ID: 21101657-07

Collection Date: 10/14/2021 04:38 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		0.36	mg/Kg-dry	1	10/27/2021 05:48 PM
Styrene	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Tetrachloroethene	5.6		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Toluene	0.056		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
trans-1,2-Dichloroethene	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
trans-1,3-Dichloropropene	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Trichloroethene	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Trichlorofluoromethane	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Vinyl chloride	ND		0.043	mg/Kg-dry	1	10/27/2021 05:48 PM
Xylenes, Total	ND		0.13	mg/Kg-dry	1	10/27/2021 05:48 PM
Surr: 1,2-Dichloroethane-d4	83.5		70-130	%REC	1	10/27/2021 05:48 PM
Surr: 4-Bromofluorobenzene	96.7		70-130	%REC	1	10/27/2021 05:48 PM
Surr: Dibromofluoromethane	81.5		70-130	%REC	1	10/27/2021 05:48 PM
Surr: Toluene-d8	96.6		70-130	%REC	1	10/27/2021 05:48 PM
MOISTURE			SW3550C			Analyst: ALG
Moisture	16		0.10	% of sample	1	10/21/2021 03:40 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Oct-2021

Client: Environmental Quality Management, Inc.
Project: Calumet Fire Site
Sample ID: CF-VSR-08-101421
Collection Date: 10/14/2021 04:40 PM

Work Order: 21101657
Lab ID: 21101657-08
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			SW8260C	Prep: SW5035A 10/20/21 10:35		Analyst: BG
1,1,1-Trichloroethane	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
1,1,2,2-Tetrachloroethane	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
1,1,2-Trichloroethane	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
1,1,2-Trichlorotrifluoroethane	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
1,1-Dichloroethane	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
1,1-Dichloroethene	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
1,2,4-Trichlorobenzene	ND		0.13	mg/Kg-dry	1	10/27/2021 06:05 PM
1,2-Dibromo-3-chloropropane	ND		0.13	mg/Kg-dry	1	10/27/2021 06:05 PM
1,2-Dibromoethane	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
1,2-Dichlorobenzene	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
1,2-Dichloroethane	ND		0.13	mg/Kg-dry	1	10/27/2021 06:05 PM
1,2-Dichloropropane	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
1,3-Dichlorobenzene	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
1,4-Dichlorobenzene	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
2-Butanone	ND		0.26	mg/Kg-dry	1	10/27/2021 06:05 PM
2-Hexanone	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
4-Methyl-2-pentanone	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Acetone	0.16		0.13	mg/Kg-dry	1	10/27/2021 06:05 PM
Benzene	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Bromodichloromethane	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Bromoform	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Bromomethane	ND		0.13	mg/Kg-dry	1	10/27/2021 06:05 PM
Carbon disulfide	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Carbon tetrachloride	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Chlorobenzene	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Chloroethane	ND		0.13	mg/Kg-dry	1	10/27/2021 06:05 PM
Chloroform	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Chloromethane	ND		0.13	mg/Kg-dry	1	10/27/2021 06:05 PM
cis-1,2-Dichloroethene	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
cis-1,3-Dichloropropene	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Cyclohexane	ND		0.13	mg/Kg-dry	1	10/27/2021 06:05 PM
Dibromochloromethane	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Dichlorodifluoromethane	ND		0.13	mg/Kg-dry	1	10/27/2021 06:05 PM
Ethylbenzene	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Isopropylbenzene	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Methyl acetate	ND		0.32	mg/Kg-dry	1	10/27/2021 06:05 PM
Methyl tert-butyl ether	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Methylcyclohexane	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Oct-2021

Client: Environmental Quality Management, Inc.

Project: Calumet Fire Site

Work Order: 21101657

Sample ID: CF-VSR-08-101421

Lab ID: 21101657-08

Collection Date: 10/14/2021 04:40 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Methylene chloride	ND		0.32	mg/Kg-dry	1	10/27/2021 06:05 PM
Styrene	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Tetrachloroethene	4.0		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Toluene	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
trans-1,2-Dichloroethene	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
trans-1,3-Dichloropropene	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Trichloroethene	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Trichlorofluoromethane	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Vinyl chloride	ND		0.039	mg/Kg-dry	1	10/27/2021 06:05 PM
Xylenes, Total	ND		0.12	mg/Kg-dry	1	10/27/2021 06:05 PM
Surr: 1,2-Dichloroethane-d4	85.4		70-130	%REC	1	10/27/2021 06:05 PM
Surr: 4-Bromofluorobenzene	93.2		70-130	%REC	1	10/27/2021 06:05 PM
Surr: Dibromofluoromethane	77.2		70-130	%REC	1	10/27/2021 06:05 PM
Surr: Toluene-d8	96.0		70-130	%REC	1	10/27/2021 06:05 PM
MOISTURE			SW3550C			Analyst: ALG
Moisture	12		0.10	% of sample	1	10/21/2021 03:40 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Environmental Quality Management, Inc.
Work Order: 21101657
Project: Calumet Fire Site

QC BATCH REPORT

Batch ID: **185793** Instrument ID **VMS7** Method: **SW8260C**

MBLK		Sample ID: MBLK-185793-185793				Units: µg/Kg-dry		Analysis Date: 10/27/2021 02:22 PM		
Client ID:		Run ID: VMS7_211027A				SeqNo: 7879501		Prep Date: 10/20/2021		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	30								
1,1,2,2-Tetrachloroethane	ND	30								
1,1,2-Trichloroethane	ND	30								
1,1,2-Trichlorotrifluoroethane	ND	30								
1,1-Dichloroethane	ND	30								
1,1-Dichloroethene	ND	30								
1,2,4-Trichlorobenzene	ND	100								
1,2-Dibromo-3-chloropropane	ND	100								
1,2-Dibromoethane	ND	30								
1,2-Dichlorobenzene	ND	30								
1,2-Dichloroethane	ND	100								
1,2-Dichloropropane	ND	30								
1,3-Dichlorobenzene	ND	30								
1,4-Dichlorobenzene	ND	30								
2-Butanone	ND	200								
2-Hexanone	ND	30								
4-Methyl-2-pentanone	ND	30								
Acetone	ND	100								
Benzene	ND	30								
Bromodichloromethane	ND	30								
Bromoform	ND	30								
Bromomethane	ND	100								
Carbon disulfide	ND	30								
Carbon tetrachloride	ND	30								
Chlorobenzene	ND	30								
Chloroethane	ND	100								
Chloroform	ND	30								
Chloromethane	ND	100								
cis-1,2-Dichloroethene	ND	30								
cis-1,3-Dichloropropene	ND	30								
Cyclohexane	ND	100								
Dibromochloromethane	ND	30								
Dichlorodifluoromethane	ND	100								
Ethylbenzene	ND	30								
Isopropylbenzene	ND	30								
Methyl acetate	ND	250								
Methyl tert-butyl ether	ND	30								
Methylcyclohexane	ND	30								
Methylene chloride	ND	250								
Styrene	ND	30								
Tetrachloroethene	ND	30								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Environmental Quality Management, Inc.
Work Order: 21101657
Project: Calumet Fire Site

QC BATCH REPORT

Batch ID: 185793	Instrument ID VMS7	Method: SW8260C					
Toluene	ND	30					
trans-1,2-Dichloroethene	ND	30					
trans-1,3-Dichloropropene	ND	30					
Trichloroethene	ND	30					
Trichlorofluoromethane	ND	30					
Vinyl chloride	ND	30					
Xylenes, Total	ND	90					
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>829.5</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>83</i>	<i>70-130</i>	<i>0</i>
<i>Surr: 4-Bromofluorobenzene</i>	<i>946.5</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>94.6</i>	<i>70-130</i>	<i>0</i>
<i>Surr: Dibromofluoromethane</i>	<i>839.5</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>84</i>	<i>70-130</i>	<i>0</i>
<i>Surr: Toluene-d8</i>	<i>943</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>94.3</i>	<i>70-130</i>	<i>0</i>

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Environmental Quality Management, Inc.
Work Order: 21101657
Project: Calumet Fire Site

QC BATCH REPORT

Batch ID: **185793** Instrument ID **VMS7** Method: **SW8260C**

LCS				Sample ID: LCS-185793-185793			Units: µg/Kg-dry		Analysis Date: 10/27/2021 01:31 PM	
Client ID:				Run ID: VMS7_211027A			SeqNo: 7879499		Prep Date: 10/20/2021	
							DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	945.5	30	1000	0	94.6	70-135	0			
1,1,2,2-Tetrachloroethane	1054	30	1000	0	105	55-130	0			
1,1,2-Trichloroethane	972	30	1000	0	97.2	60-125	0			
1,1-Dichloroethane	999.5	30	1000	0	100	75-125	0			
1,1-Dichloroethene	979.5	30	1000	0	98	76-148	0			
1,2,4-Trichlorobenzene	796.5	100	1000	0	79.6	65-130	0			
1,2-Dibromo-3-chloropropane	855	100	1000	0	85.5	40-135	0			
1,2-Dibromoethane	962.5	30	1000	0	96.2	80-195	0			
1,2-Dichlorobenzene	1018	30	1000	0	102	75-120	0			
1,2-Dichloroethane	1024	100	1000	0	102	70-135	0			
1,2-Dichloropropane	981	30	1000	0	98.1	70-120	0			
1,3-Dichlorobenzene	1015	30	1000	0	102	70-125	0			
1,4-Dichlorobenzene	973	30	1000	0	97.3	70-125	0			
2-Butanone	980	200	1000	0	98	30-160	0			
2-Hexanone	956	30	1000	0	95.6	45-145	0			
4-Methyl-2-pentanone	1411	30	1000	0	141	74-176	0			
Acetone	987.5	100	1000	0	98.8	20-160	0			
Benzene	947.5	30	1000	0	94.8	75-125	0			
Bromodichloromethane	994	30	1000	0	99.4	70-130	0			
Bromoform	823.5	30	1000	0	82.4	55-135	0			
Bromomethane	1110	100	1000	0	111	50-170	0			
Carbon disulfide	1020	30	1000	0	102	45-160	0			
Carbon tetrachloride	883	30	1000	0	88.3	65-135	0			
Chlorobenzene	972.5	30	1000	0	97.2	75-125	0			
Chloroethane	782.5	100	1000	0	78.2	40-155	0			
Chloroform	1012	30	1000	0	101	66-140	0			
Chloromethane	668.5	100	1000	0	66.8	50-144	0			
cis-1,2-Dichloroethene	980.5	30	1000	0	98	65-125	0			
cis-1,3-Dichloropropene	943.5	30	1000	0	94.4	70-125	0			
Dibromochloromethane	830	30	1000	0	83	65-135	0			
Dichlorodifluoromethane	849	100	1000	0	84.9	35-135	0			
Ethylbenzene	973.5	30	1000	0	97.4	75-125	0			
Isopropylbenzene	924	30	1000	0	92.4	75-130	0			
Methyl tert-butyl ether	1042	30	1000	0	104	75-125	0			
Methylene chloride	869	250	1000	0	86.9	55-145	0			
Styrene	935	30	1000	0	93.5	80-138	0			
Tetrachloroethene	983.5	30	1000	0	98.4	67-167	0			
Toluene	960.5	30	1000	0	96	70-125	0			
trans-1,2-Dichloroethene	993.5	30	1000	0	99.4	65-135	0			
trans-1,3-Dichloropropene	890	30	1000	0	89	59-129	0			
Trichloroethene	993.5	30	1000	0	99.4	75-125	0			
Trichlorofluoromethane	767	30	1000	0	76.7	25-185	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Environmental Quality Management, Inc.
Work Order: 21101657
Project: Calumet Fire Site

QC BATCH REPORT

Batch ID: 185793	Instrument ID VMS7		Method: SW8260C					
Vinyl chloride	847.5	30	1000	0	84.8	60-125	0	
Xylenes, Total	2866	90	3000	0	95.5	75-125	0	
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>1024</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>102</i>	<i>70-130</i>	<i>0</i>	
<i>Surr: 4-Bromofluorobenzene</i>	<i>970</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>97</i>	<i>70-130</i>	<i>0</i>	
<i>Surr: Dibromofluoromethane</i>	<i>1026</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>103</i>	<i>70-130</i>	<i>0</i>	
<i>Surr: Toluene-d8</i>	<i>1005</i>	<i>0</i>	<i>1000</i>	<i>0</i>	<i>100</i>	<i>70-130</i>	<i>0</i>	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Environmental Quality Management, Inc.
Work Order: 21101657
Project: Calumet Fire Site

QC BATCH REPORT

Batch ID: **185793** Instrument ID **VMS7** Method: **SW8260C**

MS				Sample ID: 21101657-01B MS			Units: µg/Kg-dry		Analysis Date: 10/27/2021 09:11 PM	
Client ID: CF-VSR-01-101421				Run ID: VMS7_211027A			SeqNo: 7879524		Prep Date: 10/20/2021	
									DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1404	41	1381	0	102	70-135	0			
1,1,2,2-Tetrachloroethane	1369	41	1381	0	99.1	55-130	0			
1,1,2-Trichloroethane	1362	41	1381	0	98.6	60-125	0			
1,1-Dichloroethane	904.1	41	1381	0	65.5	75-125	0			S
1,1-Dichloroethene	1174	41	1381	0	85	76-148	0			
1,2,4-Trichlorobenzene	1417	140	1381	0	103	65-130	0			
1,2-Dibromo-3-chloropropane	1044	140	1381	0	75.6	40-135	0			
1,2-Dibromoethane	1296	41	1381	0	93.8	80-195	0			
1,2-Dichlorobenzene	1426	41	1381	0	103	75-120	0			
1,2-Dichloroethane	1437	140	1381	0	104	70-135	0			
1,2-Dichloropropane	1261	41	1381	0	91.3	70-120	0			
1,3-Dichlorobenzene	1372	41	1381	0	99.3	70-125	0			
1,4-Dichlorobenzene	1352	41	1381	0	97.8	70-125	0			
2-Butanone	625.1	280	1381	26.25	43.4	30-160	0			
2-Hexanone	1486	41	1381	0	108	45-145	0			
4-Methyl-2-pentanone	1776	41	1381	0	129	74-176	0			
Acetone	2688	140	1381	416.5	164	20-160	0			S
Benzene	1281	41	1381	23.48	91.1	75-125	0			
Bromodichloromethane	1274	41	1381	0	92.2	70-130	0			
Bromoform	1124	41	1381	0	81.4	55-135	0			
Bromomethane	1041	140	1381	58.71	71.1	50-170	0			
Carbon disulfide	1012	41	1381	0	73.3	45-160	0			
Carbon tetrachloride	1265	41	1381	0	91.6	65-135	0			
Chlorobenzene	1422	41	1381	0	103	75-125	0			
Chloroethane	120.9	140	1381	0	8.75	40-155	0			JS
Chloroform	1130	41	1381	0	81.8	66-140	0			
Chloromethane	732.8	140	1381	0	53.1	50-144	0			
cis-1,2-Dichloroethene	1077	41	1381	0	78	65-125	0			
cis-1,3-Dichloropropene	1214	41	1381	0	87.8	70-125	0			
Dibromochloromethane	1089	41	1381	0	78.9	65-135	0			
Dichlorodifluoromethane	1020	140	1381	0	73.9	35-135	0			
Ethylbenzene	1389	41	1381	0	101	75-125	0			
Isopropylbenzene	1383	41	1381	0	100	75-130	0			
Methyl tert-butyl ether	1280	41	1381	0	92.7	75-125	0			
Methylene chloride	835.7	350	1381	0	60.5	55-145	0			
Styrene	1383	41	1381	0	100	80-138	0			
Tetrachloroethene	3901	41	1381	1514	173	67-167	0			S
Toluene	1358	41	1381	0	98.3	70-125	0			
trans-1,2-Dichloroethene	1168	41	1381	0	84.6	65-135	0			
trans-1,3-Dichloropropene	1150	41	1381	0	83.3	59-129	0			
Trichloroethene	1465	41	1381	0	106	75-125	0			
Trichlorofluoromethane	892.4	41	1381	0	64.6	25-185	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Environmental Quality Management, Inc.
Work Order: 21101657
Project: Calumet Fire Site

QC BATCH REPORT

Batch ID: 185793		Instrument ID VMS7		Method: SW8260C			
Vinyl chloride	1096	41	1381	0	79.3	60-125	0
Xylenes, Total	4116	120	4144	0	99.3	75-125	0
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>1390</i>	<i>0</i>	<i>1381</i>	<i>0</i>	<i>101</i>	<i>70-130</i>	<i>0</i>
<i>Surr: 4-Bromofluorobenzene</i>	<i>1412</i>	<i>0</i>	<i>1381</i>	<i>0</i>	<i>102</i>	<i>70-130</i>	<i>0</i>
<i>Surr: Dibromofluoromethane</i>	<i>1191</i>	<i>0</i>	<i>1381</i>	<i>0</i>	<i>86.3</i>	<i>70-130</i>	<i>0</i>
<i>Surr: Toluene-d8</i>	<i>1348</i>	<i>0</i>	<i>1381</i>	<i>0</i>	<i>97.6</i>	<i>70-130</i>	<i>0</i>

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Environmental Quality Management, Inc.
Work Order: 21101657
Project: Calumet Fire Site

QC BATCH REPORT

Batch ID: **185793** Instrument ID **VMS7** Method: **SW8260C**

MSD				Sample ID: 21101657-01B MSD			Units: µg/Kg-dry		Analysis Date: 10/27/2021 09:28 PM	
Client ID: CF-VSR-01-101421				Run ID: VMS7_211027A			SeqNo: 7879525		Prep Date: 10/20/2021	
									DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	1430	41	1381	0	104	70-135	1404	1.85	30	
1,1,2,2-Tetrachloroethane	1410	41	1381	0	102	55-130	1369	2.93	30	
1,1,2-Trichloroethane	1415	41	1381	0	102	60-125	1362	3.83	30	
1,1-Dichloroethane	879.9	41	1381	0	63.7	75-125	904.1	2.71	30	S
1,1-Dichloroethene	1209	41	1381	0	87.6	76-148	1174	2.96	30	
1,2,4-Trichlorobenzene	1474	140	1381	0	107	65-130	1417	3.97	30	
1,2-Dibromo-3-chloropropane	1076	140	1381	0	77.9	40-135	1044	3	30	
1,2-Dibromoethane	1332	41	1381	0	96.4	80-195	1296	2.79	30	
1,2-Dichlorobenzene	1491	41	1381	0	108	75-120	1426	4.45	30	
1,2-Dichloroethane	1418	140	1381	0	103	70-135	1437	1.35	30	
1,2-Dichloropropane	1302	41	1381	0	94.2	70-120	1261	3.18	30	
1,3-Dichlorobenzene	1472	41	1381	0	107	70-125	1372	7.04	30	
1,4-Dichlorobenzene	1404	41	1381	0	102	70-125	1352	3.81	30	
2-Butanone	902.7	280	1381	26.25	63.5	30-160	625.1	36.3	30	R
2-Hexanone	1601	41	1381	0	116	45-145	1486	7.43	30	
4-Methyl-2-pentanone	1795	41	1381	0	130	74-176	1776	1.08	30	
Acetone	2925	140	1381	416.5	182	20-160	2688	8.44	30	S
Benzene	1330	41	1381	23.48	94.6	75-125	1281	3.76	30	
Bromodichloromethane	1261	41	1381	0	91.3	70-130	1274	0.981	30	
Bromoform	1144	41	1381	0	82.8	55-135	1124	1.71	30	
Bromomethane	1071	140	1381	58.71	73.3	50-170	1041	2.88	30	
Carbon disulfide	1024	41	1381	0	74.1	45-160	1012	1.22	30	
Carbon tetrachloride	1283	41	1381	0	92.8	65-135	1265	1.35	30	
Chlorobenzene	1473	41	1381	0	107	75-125	1422	3.53	30	
Chloroethane	ND	140	1381	0	0	40-155	120.9	0	30	S
Chloroform	1110	41	1381	0	80.4	66-140	1130	1.79	30	
Chloromethane	742.5	140	1381	0	53.8	50-144	732.8	1.31	30	
cis-1,2-Dichloroethene	1038	41	1381	0	75.2	65-125	1077	3.72	30	
cis-1,3-Dichloropropene	1222	41	1381	0	88.5	70-125	1214	0.681	30	
Dibromochloromethane	1113	41	1381	0	80.6	65-135	1089	2.13	30	
Dichlorodifluoromethane	1040	140	1381	0	75.3	35-135	1020	1.88	30	
Ethylbenzene	1430	41	1381	0	104	75-125	1389	2.89	30	
Isopropylbenzene	1448	41	1381	0	105	75-130	1383	4.54	30	
Methyl tert-butyl ether	1299	41	1381	0	94	75-125	1280	1.45	30	
Methylene chloride	846.8	350	1381	0	61.3	55-145	835.7	1.31	30	
Styrene	1395	41	1381	0	101	80-138	1383	0.896	30	
Tetrachloroethene	4077	41	1381	1514	186	67-167	3901	4.42	30	S
Toluene	1406	41	1381	0	102	70-125	1358	3.45	30	
trans-1,2-Dichloroethene	1165	41	1381	0	84.3	65-135	1168	0.297	30	
trans-1,3-Dichloropropene	1208	41	1381	0	87.5	59-129	1150	4.92	30	
Trichloroethene	1520	41	1381	0	110	75-125	1465	3.7	30	
Trichlorofluoromethane	918.6	41	1381	0	66.5	25-185	892.4	2.9	30	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Environmental Quality Management, Inc.
Work Order: 21101657
Project: Calumet Fire Site

QC BATCH REPORT

Batch ID: 185793		Instrument ID VMS7		Method: SW8260C					
Vinyl chloride	1070	41	1381	0	77.5	60-125	1096	2.42	30
Xylenes, Total	4270	120	4144	0	103	75-125	4116	3.67	30
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>1385</i>	<i>0</i>	<i>1381</i>	<i>0</i>	<i>100</i>	<i>70-130</i>	<i>1390</i>	<i>0.348</i>	<i>30</i>
<i>Surr: 4-Bromofluorobenzene</i>	<i>1420</i>	<i>0</i>	<i>1381</i>	<i>0</i>	<i>103</i>	<i>70-130</i>	<i>1412</i>	<i>0.537</i>	<i>30</i>
<i>Surr: Dibromofluoromethane</i>	<i>1187</i>	<i>0</i>	<i>1381</i>	<i>0</i>	<i>85.9</i>	<i>70-130</i>	<i>1191</i>	<i>0.406</i>	<i>30</i>
<i>Surr: Toluene-d8</i>	<i>1366</i>	<i>0</i>	<i>1381</i>	<i>0</i>	<i>98.9</i>	<i>70-130</i>	<i>1348</i>	<i>1.37</i>	<i>30</i>

The following samples were analyzed in this batch:

21101657-01B	21101657-02B	21101657-03B
21101657-04B	21101657-05B	21101657-06B
21101657-07B	21101657-08B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Environmental Quality Management, Inc.
Work Order: 21101657
Project: Calumet Fire Site

QC BATCH REPORT

Batch ID: **R329560** Instrument ID **MOIST** Method: **SW3550C**

MBLK		Sample ID: WBLKS-R329560				Units: % of sample		Analysis Date: 10/21/2021 03:40 PM		
Client ID:		Run ID: MOIST_211021D		SeqNo: 7862647		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	ND	0.10								

LCS		Sample ID: LCS-R329560				Units: % of sample		Analysis Date: 10/21/2021 03:40 PM		
Client ID:		Run ID: MOIST_211021D		SeqNo: 7862646		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	100	0.10	100	0	100	98-102	0			

DUP		Sample ID: 21101657-01A DUP				Units: % of sample		Analysis Date: 10/21/2021 03:40 PM		
Client ID: CF-VSR-01-101421		Run ID: MOIST_211021D		SeqNo: 7862630		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	13.67	0.10	0	0	0	0-0	13.32	2.59	10	

DUP		Sample ID: 21101682-01A DUP				Units: % of sample		Analysis Date: 10/21/2021 03:40 PM		
Client ID:		Run ID: MOIST_211021D		SeqNo: 7862639		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	13.21	0.10	0	0	0	0-0	13.27	0.453	10	

The following samples were analyzed in this batch:

21101657-01A	21101657-02A	21101657-03A
21101657-04A	21101657-05A	21101657-06A
21101657-07A	21101657-08A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Environmental

Chain of Custody Form

Page 1 of 1

COC ID: 123456

☐ Cincinnati, OH
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☐ Salt Lake City, UT
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☐ Spring City, PA
+1 610 948 4903

☐ York, PA
+1 717 505 5280

Customer Information		Project Information		Parameter/Method Request for Analysis														
Purchase Order		Project Name	CALLMET FIRE SITE	A	VOCs - 8260													
Work Order		Project Number	030325.0099	B														
Company Name	EQM	Bill To Company	EQM	C														
Send Report To	ANGIE DRAGOTTA	Invoice Attn.	ACCOUNTS PAYABLE	D														
Address	1800 CARILLON BLVD	Address	1800 CARILLON BLVD	E														
City/State/Zip	CINCINNATI, OH 45240	City/State/Zip	CINCINNATI, OH 45240	F														
Phone	513-825-7500	Phone	513-825-7500	G														
Fax	513-825-7495	Fax	513-825-7495	H														
e-Mail Address	ADRAGOTTA@EQM.COM	e-Mail Address		I														
				J														
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold	
1	CF-VSR-01-101421	10/14/2021	1410	Soil	8/7	2	X											
2	CF-VSR-02-101421		1420				X											
3	CF-VSR-03-101421		1630				X											
4	CF-VSR-04-101421		1632				X											
5	CF-VSR-05-101421		1634				X											
6	CF-VSR-06-101421		1636				X											
7	CF-VSR-07-101421		1638				X											
8	CF-VSR-08-101421		1640				X											
9																		
10																		
Sampler(s): Please Print & Sign ASHLEIGH MILLER		Shipment Method: FEDEX		Required Turnaround Time: <input checked="" type="checkbox"/> Other STD-SDM <input type="checkbox"/> STD 10 Wk Days <input type="checkbox"/> 5 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour		Results Due Date: 10/26/2021												
Relinquished by: [Signature]		Date: 10/18/2021	Time: 1430	Received by: FEDEX # 816686095551		Notes: RESULTS TO: BPDMA@EQM.COM												
Relinquished by: FEDEX		Date: 10/19/21	Time: 0930	Received by (Laboratory): [Signature]		Cooler Temp. 4.5°C												
Logged by (Laboratory): KL		Date: 10/19/21	Time: 1515	Checked by (Laboratory): [Signature]		QC Package: (Check Box Below) <input type="checkbox"/> Level II: Standard QC <input type="checkbox"/> Level III: Std QC + Raw Data <input type="checkbox"/> Level IV: SW846 CLP-Like Other: _____												
Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035																		

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.

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