



LANDFILL – SOLID WASTE COMMITTEE

MEETING AGENDA MEETING

Wednesday, April 12, 2023, at 3:00 PM

419 Fulton Street – Room 404

Virtual option available:
Microsoft Teams meeting

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**Landfill COMMISSION AGENDAS AND MINUTES
ISSUED BY: STEPHEN M. MORRIS, CHAIRMAN**

**PUBLIC WORKS DEPARTMENT
3505 N. DRIES LANE, PEORIA IL 61604
309-494-8800**

INTERNET ADDRESS: www.peoriagov.org

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CITY OF PEORIA – LANDFILL – SOLID WASTE COMMITTEE

ATTENDANCE

ANNOUNCEMENTS. ETC.

CITIZENS' OPPORTUNITY TO ADDRESS THE COMMITTEE

ANYONE WISHING TO MAKE A PUBLIC COMMENT CAN DO SO BY SENDING THOSE COMMENTS TO PUBLIC WORKS, BY **12:00 P.M.** ON WEDNESDAY, APRIL 12, 2023. PUBLIC COMMENTS CAN BE SENT TO THE PUBLIC WORKS DEPARTMENT, IN WRITING, AT **PUBLICWORKS@PEORIAGOV.ORG** OR VIA FAX AT 309-494-8855. THE EMAIL OR FAX SHOULD BE LABELED "PUBLIC COMMENT FOR WEDNESDAY, APRIL 12, 2023, PEORIA CITY/COUNTY LANDFILL COMMITTEE MEETING," AND WE ASK THAT YOU INCLUDE YOUR NAME AND ADDRESS.

CITIZENS WISHING TO ADDRESS AN ITEM NOT ON THE AGENDA SHOULD CONTACT A COMMISSION MEMBER PRIOR TO THE MEETING. ALL OTHER PUBLIC INPUT WILL BE HEARD UNDER PUBLIC COMMENT NEAR THE END OF THE COMMITTEE MEETING.

MINUTES

REQUEST FOR APPROVAL OF THE PEORIA CITY/COUNTY LANDFILL
March 1, 2023 Regular Landfill Meeting Minutes

AGENDA ITEMS

- ITEM NO. 1** REPORT FROM FOTH INFRASTRUCTURE & ENVIRONMENT, LLC
 - A. Monthly Update
 - B. Signature Approvals
 - C. Profiled Waste Approvals
 - D. Approve AML Application
- ITEM NO. 2** REPORT FROM PUBLIC WORKS ADMINISTRATION
 - A. Landfill Monthly Budget Report
- ITEM NO. 3** REPORT FROM WASTE MANAGEMENT-Ian Johnson
 - A. Monthly Activity Reports
 - B. Signature Approvals
- ITEM NO 4.** REPORT FROM GFL
 - A. Monthly Activity Reports
 - B. Signature Approvals

UNFINISHED BUSINESS

Solar Discussion.

NEW BUSINESS

None.

EXECUTIVE SESSION (if necessary)

NEXT MEETING

Wednesday, May 24, 2023 3:00 PM

ADJOURNMENT

NOTE: THE ORDER IN WHICH AGENDA ITEMS ARE CONSIDERED MAY BE MOVED FORWARD OR DELAYED BY AT LEAST 2/3 VOTE OF

CITY OF PEORIA – LANDFILL/SOLID WASTE COMMITTEE

Wednesday March 1, 2023, Meeting Minutes

ATTENDANCE

VOTING MEMBERS PRESENT: Stephen Morris, Stephen Van Winkle, Lester Bergsten, Timothy Riggensbach, Rick Fox, Zachary Oyler, Sharon Williams - 7

ANNOUNCEMENTS, ETC.

None.

CITIZENS' OPPORTUNITY TO ADDRESS THE COMMITTEE

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MINUTES

REQUEST FOR APPROVAL OF THE PEORIA CITY/COUNTY LANDFILL

December 21, 2022, and January 18, 2023,

Regular Landfill Meeting Minutes

Van Winkle motioned to approve, seconded by Bergsten;
approved with a unanimous verbal vote.

AGENDA ITEMS

ITEM NO. 1 REPORT FROM FOTH INFRASTRUCTURE & ENVIRONMENT, LLC

A. Monthly Update

Gabehart said this month is the largest of effort in regard to regulatory submittals which explains why it is elevated. There were a few shutdowns in the past month. Methane content was good and within the range of 300-400. There was no leachate hauled off due to cold weather. Monthly tonnages look good for this time of year.

Gabehart referred to Van Winkle's question from the January meeting regarding averaging. He said Foth averages the month and then sums the averages, so the outcome is slightly off and does not reflect the total average for the year.

Morris referred to an interaction that occurred in February with himself, Gabehart, and Fox regarding radioactive waste. Gabehart said East Peoria Collections brought their own solid waste through the community and triggered a radioactive alarm at the transfer station due to some chemotherapy isotopes. Gabehart confirmed that the Peoria County landfill does not accept radioactive waste.

B. Signature Approvals

Bergsten motioned to approve signatures, seconded by Williams; approved with a unanimous verbal vote.

Gabehart reported there were a few CAAPP form for the shutdowns that occurred last month, and those forms were submitted to the IEPA. Fox

asked to clarify that the signatures are for approval to sign for emergencies in the future and approval of the CAAPP forms. Morris answered, confirming Fox's assumption.

C. Profiled Waste Approvals

Gabehart reported that for this month, there is nothing for committee approval. This item is regarding receive and file for preapproved waste profiles including asbestos containing material, treated weathered wood, and contaminated soil. Fox asked for clarification on the second profile regarding non-contaminated soil, saying he was confused about the details stating construction and demolition waste. He wanted to know why it needed to go through approval if it is non-contaminated soil. Gabehart answered, saying there has been a manifest to track that the load is not dumped in a ravine. He said the non-contaminated soil profile is regarding building, structure, and road repairs and cleaning, and specifically does not allow anything from a manufacturing process such as lead.

D. Gate Audit

Gabehart reported the Foth team completed the semi-annual gate audit at Landfill 2 and found no issues.

E. AML Portal Project Update

Gabehart reported the Abandoned Mine Lands Group had some questions for the committee. He referred to the exhibit within the agenda packet, explaining that GOB refers to dirt and debris that is taken out when digging shafts which can be contaminated; within the debris from the mine operation there is some metal, concrete, and other general debris. Gabehart said this is not in the footprint of the new cells, but it is around that area and downstream from the service area.

The questions the Abandoned Mine Lands Group had for the committee included:

- Can the GOB piles be buried and capped with native soil on site? Or do they need to be disposed of at a proper landfill facility? Gabehart mentioned they have done both in the past.
- Where can the GOB piles be relocated on site?
- Will the committee allow for disposal from adjacent properties?
- Can they borrow material to cap the GOB piles?

Gabehart said Foth's recommendation is to remove piles from the site and not put them back in the soil if they have been exposed. This is to try to eliminate any known environmental impacts that could come from the operation due to exposure of the materials. It is important to properly dispose of the exposed materials because they can react and cause leaching of the acid within the mine. Gabehart emphasized the importance of properly eliminating contamination, mentioning that one of the GOB piles is just past an out hole of a proposed storm water basin which is a potential wetland area. Gabehart recommended working with Waste Management for borrowing material for the project.

Gabehart asked if the committee is in concurrence with what he has presented and can it be relayed to the Abandoned Mine Lands Group. Fox asked for clarification on what is being asked of the committee, and Gabehart confirmed that he is asking the committee if it would like to move forward with transferring the GOB debris to a landfill to prevent leaching and other contaminants. Bergsten asked who will be depositing the materials into the landfill. Gabehart answered, saying that he believes it will be the Abandoned Mine Lands Group. He said they do

not have an estimated yardage of much hosting it will take but he does not believe it will be a substantial amount. Van Winkle asked if Waste Management would also have to approve the transfer if it will be going into the landfill. Gabehart answered, saying Foth did reach out to Waste Management and their policy is to have a specific ratio of coal to soil; this could potentially raise the landfill's special waste quota.

Morris said the committee is in concurrence with what was presented and would like to move forward with the discussion.

F. License Agreement

Fox motioned to approve the license agreement change, seconded by Bergsten; subject to the state attorney's approval, the committee approved the change with a unanimous verbal vote.

Gabehart explained that Steve Harenburg and his family have licenses for hunting and fishing rights in the area of landfill 3 and is aware that landfill 3 will be removing a portion of that area. Gabehart said there is an area of the landfill that is identified as potential soil stockpiled for the future and has been used for some landfill activities; however, no one currently has hunting or fishing rights for that area. Harenburg is looking to do an equal swap of acreage with the same rate as he has now. Harenburg added that with the construction of landfill 3 coming up it would be a good time for him to move away from his current area. He said it will take a while for him to clear out and move into the new area.

G. PFAS Presentation

Gabehart introduced Gina Wilming, from Foth's Cedar Rapids office location, and Mark Williams from Foth's local office. They are part of Foth's emerging contaminants group.

Gina Wilming and Mark Williams' presentation on PFAS (polyfluoroalkyl substances) explained PFAS health concerns, where they originate, federal regulation, effluent limit guidelines and pretreatment standards, and Illinois state regulations.

ITEM NO. 2 REPORT FROM PUBLIC WORKS ADMINISTRATION

A. Landfill Monthly Budget Report

Schoonover explained that his report reflected only through the end of January and will provide February and March's financial details at the next meeting in April.

Schoonover reported that for January, revenues were \$33,388 versus a budget of \$39,000. There was only one expenditure posted at \$6,333 which was the city personnel expense that is posted equally over twelve months. Schoonover said he added the December 2022 invoices that were received in January which added about \$26,000 in expenditures for December of 2022; most of those expenditures included Foth.

ITEM NO. 3 REPORT FROM WASTE MANAGEMENT-Ian Johnson

A. Monthly Activity Reports

Johnson reported the tonnages were up a couple thousand tons for January. The weekly random load checks showed no documented issues. He asked for permission to receive Chairman Morris' signature upon approval from Foth on anything that occurs between committee meetings. He added that Waste Management will have the February and March tonnage reports at the April committee meeting.

B. Signature Approvals

Fox motioned to approve signatures, seconded by Bergsten; approved with a unanimous verbal vote.

ITEM NO 4. REPORT FROM GFL – David Bryant

A. Monthly Activity Reports

Bryant referred to the construction drawings that outline cells one and two and where the stockpile soil will go in the Northwest stockpile area. He reported that GFL received an oral agreement from the corps of engineers for an extension to the wetland mitigation deadline and GFL will be submitting a written request by April. He explained that the construction was not in the correct water shed; the corps of engineers said they need to be in a water shed area that stops just before Hopedale, but there is not any wetland bank to purchase at this time. He said it appears that the originally proposed wetland was too large. A draft of the clean air construction permit has been issued and comments were submitted to the IEPA; they expect to receive the permit by April 1st. A habitat assessment of the area that will be cleared this year was completed in February. Bids are being solicited from contractors to selectively cut down potential habitat trees before their roosting season which begins on April 1st; therefore, between now and April 1st, GFL needs to remove any habitat trees. Earth work and bid documents will be sent to selected contractors by mid-March and selection will be made in early April. An application for Peoria County Erosion Sediment Storm Water Control permit is estimated to be submitted in early April. Clearing and earth work will begin in early May. GFL anticipates completing 2/3 of the earth work in about 1.1 million cubic yards of exploration in 2023 with the remaining work being completed in 2024. Surplus soil will be hauled to the Northwest stockpile with bid alternating the haul of the wetland mitigation area within the entrance road. Remaining earth work, landfill liner system, leachate collection system, and leachate tank are planned to be completed by the third quarter of 2024.

Bryant referred to the construction drawings that shows some berming [*sic*] that GFL will be doing as part of their signing requirements that were agreed upon with the committee.

Van Winkle asked if the smaller wetland area on site will affect the drawings regarding what has to be done with the dam. Bryant answered, saying he believes that whatever wetlands that will be mitigated will go in that general location. He said they may be able to find another piece on the property, but it may need to go in the same area. He further clarified that whatever needs to be done with the dam will not substantially change the current plans.

Fox asked if the permit extension with the corps is something that the committee would sign for approval or if it is something that the operator of the construction will sign. Bryant answered, saying he believes it will be something that the committee will need to sign for approval; GFL will prepare an application for a permit extension and have the committee sign it.

ITEM NO 5. REPORT FROM ASSISTANT STATE'S ATTORNEY/CHAIRMAN

Boswell referred to the agenda packet attachment regarding an agreement to stay litigation. The committee has been in discussion with GFL regarding the state funded opportunity for the dam repair and reconstruction that Foth had presented to the committee. The State's

Attorney Office is proposing that the committee agree and sign off on this agreement to stay litigation with GFL with the intent to protect both parties' rights so that neither party is claiming responsibility for the dam. The hope is to secure the state funded option and the State's Attorney Office wants to put this in place first before moving forward with the state funded opportunity. If the state funded opportunity falls through, then the parties would go back to square one and the agreement allows for that to happen.

Van Winkle asked if approving this agreement would in any way put the committee in the position where they would be allowing landfill 3 not to open when landfill 2 closes. Boswell answered, referring to language in the agreement that states "this agreement in no way alters or waves any timelines and associated requirements set forth in the landfill agreement between the parties entered into in 2009 and amended thereafter;" this confirms that the plan to open landfill 3 once landfill 2 is full is still on track.

Bergsten asked if this agreement was presented to and signed by GFL as well. Boswell answered, saying GFL has approved and signed the same agreement. Therefore, if the committee is also willing and agreeable to entering into this agreement then Chairman Morris can sign it and they can move forward with the state funded opportunity.

Van Winkle motioned to approve the agreement to stay litigation, seconded by Bergsten; approved with a unanimous verbal vote.

UNFINISHED BUSINESS

Solar Discussion.

NEW BUSINESS

None.

NEXT MEETING

Wednesday, April 12, 2023, at 3:00 PM

ADJOURNMENT

With no further discussion, the meeting was adjourned at 4:12pm.

CITIZENS WISHING TO ADDRESS AN ITEM NOT ON THE AGENDA SHOULD CONTACT A COMMISSION MEMBER PRIOR TO THE MEETING. ALL OTHER PUBLIC INPUT WILL BE HEARD UNDER PUBLIC COMMENT NEAR THE END OF THE COMMITTEE MEETING.

NOTE: THE ORDER IN WHICH AGENDA ITEMS ARE CONSIDERED MAY BE MOVED FORWARD OR DELAYED BY AT LEAST 2/3 VOTE OF



REQUEST FOR DISCUSSION

To: Peoria City/County Landfill Committee Members

From: Mark Williams and Joshua Gabehart, P.E., Foth Infrastructure and Environment, LLC

Agenda Date Requested: April 12, 2023

ACTION REQUESTED: Receive and File Monthly Report

BACKGROUND: The following report details engineering items occurring since the last scheduled Committee Meeting.

Financial Information

The attached spreadsheet shows Foth engineering services provided through March 31, 2023. The total amount billed through March 31 is \$96,733. We are above planned spend for Phase 5 due to mine reclamation strategizing, application preparation, and reporting and Phase 6 due to unanticipated flair issues and thermocouple installation/troubleshooting; however, the overall budget is just below planned spend.

Updates Regarding Compliance Activities, Measures, and Progress

- There were two shutdowns since the last meeting that required a 405 – CAAPP form: March 7, 2023 the flare was down for 7 hours and 55 minutes due to a PLC fault; Foth also rewired a thermocouple at this time. The other was March 31, 2023; the flare was down for 64 hours and 56 minutes due to the severe storm and high winds.
- Gas methane content at the flare was 48.8% for the month of March, which is within the expected range.
- There was 25,000 gallons of leachate hauled offsite since the last meeting.
- Monthly tonnages through March are attached. Through March, general MSW was over the 2022 receipts by over 4,000 tons. Total tonnage received was approximately 1,800 tons over the 2022 waste receipts. There are no recommended changes to plan at this time.
- Programming updates, hardware repairs, and new thermocouple installations have also been undertaken since last meeting.

FINANCIAL IMPACT: Through March 31, 2023, the total spend is 26.5% of the January through December 31, 2023 contract, which is below the planned budget spend of 29.8%.

Foth Infrastructure & Environment, LLC
23P300.00 - Engineering Services January - December 2023
Joint City and County of Peoria Landfill Committee

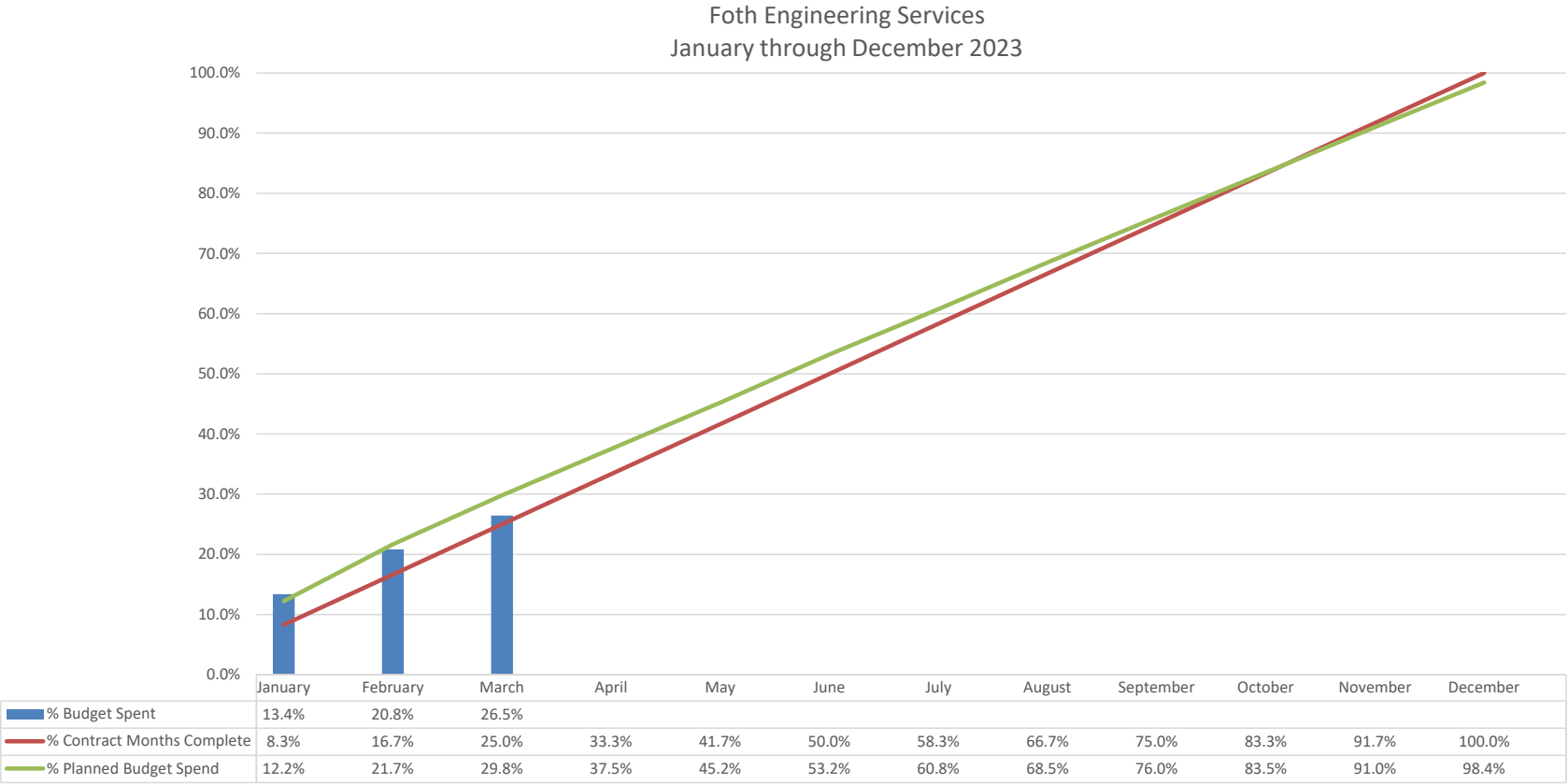
Phase/ Task	Description	Beginning Estimate	Current Budget Estimate	January		February		March		April		May		June	
				Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual
Phase 1	General Compliance and Guidance	\$ 124,100	\$ 123,897	\$ 16,907	\$ 19,185	\$ 9,717	\$ 8,873	\$ 10,317	\$ 6,378	\$ 11,617	\$ -	\$ 8,717	\$ -	\$ 9,717	\$ -
Phase 2	Groundwater Support and Data Review	\$ 30,500	\$ 30,485	\$ 7,209	\$ 7,921	\$ 4,666	\$ 3,954	\$ 1,866	\$ 544	\$ 1,816	\$ -	\$ 1,866	\$ -	\$ 1,866	\$ -
Phase 3	Gas System and Leachate Management Operations	\$ 138,500	\$ 138,418	\$ 12,431	\$ 9,815	\$ 13,581	\$ 9,164	\$ 11,431	\$ 10,411	\$ 11,431	\$ -	\$ 11,431	\$ -	\$ 11,931	\$ -
Phase 4	Solar Development	\$ 35,000	\$ 35,000	\$ 2,917	\$ -	\$ 2,917	\$ -	\$ 2,917	\$ 712	\$ -	\$ -	\$ 2,917	\$ -	\$ 2,917	\$ -
Phase 5	Landfill No. 2 and No. 3 Expansion/Transition	\$ 20,000	\$ 20,000	\$ 3,750	\$ 5,058	\$ 2,250	\$ 3,136	\$ 1,750	\$ 2,215	\$ 1,750	\$ -	\$ 1,750	\$ -	\$ 1,250	\$ -
Phase 6	Unplanned GCCS Repairs/Emergency	\$ 17,500	\$ 17,500	\$ 1,458	\$ 6,886	\$ 1,458	\$ 2,190	\$ 1,458	\$ 291	\$ 1,458	\$ -	\$ 1,458	\$ -	\$ 1,458	\$ -
	Total	\$365,600	\$ 365,300	\$44,671	\$48,865	\$34,589	\$27,317	\$29,739	\$20,551	\$28,072	\$0	\$28,139	\$0	\$29,139	\$0
	% Contract Months Complete			8.3%		16.7%		25.0%		33.3%		41.7%		50.0%	
	% Budget Spent			13.4%		20.8%		26.5%		26.5%		26.5%		26.5%	
	% Planned Budget Spend			12.2%		21.7%		29.8%		37.5%		45.2%		53.2%	

Operational Notes:

January - Phase 1: Prepared dam inspection report and project governance documents including schedule, project planning, and budget tracking. Finalized construction documentation. CAAPP semi-annual and GHG reporting. Phase 2: Corrective action reporting and assessment submittals. Phase 3: GPSD reporting. Phase 5: Timeling updates and meeting. Mine reclamation strategizing, application, and reporting. Phase 6: Installed thermocouples, programming, flare issues.

February - Phase 1: PFAS presentation and project governance documents including schedule, project planning, and budget tracking. Finalized construction documentation. CAAPP semi-annual and GHG reporting. Phase 2: Corrective action reporting and assessment submittals. Phase 3: GPSD reporting. Phase 5: Timeling updates and meeting. Mine reclamation strategizing, application, and reporting. Phase 6: Installed thermocouples, programming, flare issues.

March - Phase 1: Project management tasks and meetings, including updates of schedule, project planning, and budget tracking. CAAPP GHG reporting. Phase 2: Draft denial letter. Phase 3: Leachate pumping several days. Leachate haul. LFG data processing. Phase 4: Communication with solar vendor. Phase 5: Mine reclamation coordination. Compiled information requested by GFL.



Foth Infrastructure & Environment, LLC
23P300.00 - Engineering Services January - December 2023
Joint City and County of Peoria Landfill Committee

		July		August		September		October		November		December		YTD TOTAL		
Phase/ Task	Description	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual	% Complete
Phase 1	General Compliance and Guidance	\$ 11,717	\$ -	\$ 9,717	\$ -	\$ 8,917	\$ -	\$ 8,917	\$ -	\$ 8,917	\$ -	\$ 8,717	\$ -	\$ 123,897	\$ 34,436	28%
Phase 2	Groundwater Support and Data Review	\$ 1,866	\$ -	\$ 1,866	\$ -	\$ 1,866	\$ -	\$ 1,866	\$ -	\$ 1,866	\$ -	\$ 1,866	\$ -	\$ 30,485	\$ 12,420	41%
Phase 3	Gas System and Leachate Management Operations	\$ 11,431	\$ -	\$ 11,031	\$ -	\$ 10,931	\$ -	\$ 10,931	\$ -	\$ 10,931	\$ -	\$ 10,931	\$ -	\$ 138,418	\$ 29,390	21%
Phase 4	Solar Development	\$ -	\$ -	\$ 2,917	\$ -	\$ 2,917	\$ -	\$ 2,917	\$ -	\$ 2,917	\$ -	\$ 2,917	\$ -	\$ 35,000	\$ 712	2%
Phase 5	Landfill No. 2 and No. 3 Expansion/Transition	\$ 1,250	\$ -	\$ 1,250	\$ -	\$ 1,250	\$ -	\$ 1,250	\$ -	\$ 1,250	\$ -	\$ 1,250	\$ -	\$ 20,000	\$ 10,409	52%
Phase 6	Unplanned GCCS Repairs/Emergency	\$ 1,458	\$ -	\$ 1,458	\$ -	\$ 1,458	\$ -	\$ 1,458	\$ -	\$ 1,458	\$ -	\$ 1,458	\$ -	\$ 17,500	\$ 9,366	54%
	Total	\$27,722	\$0	\$28,239	\$0	\$27,339	\$0	\$27,339	\$0	\$27,339	\$0	\$27,139	\$0	\$ 365,300	\$ 96,733	26%
	% Contract Months Complete	58.3%		66.7%		75.0%		83.3%		91.7%		100.0%				
	% Budget Spent	26.5%		26.5%		26.5%		26.5%		26.5%		26.5%				
	% Planned Budget Spend	60.8%		68.5%		76.0%		83.5%		91.0%		98.4%				

Operational Notes:

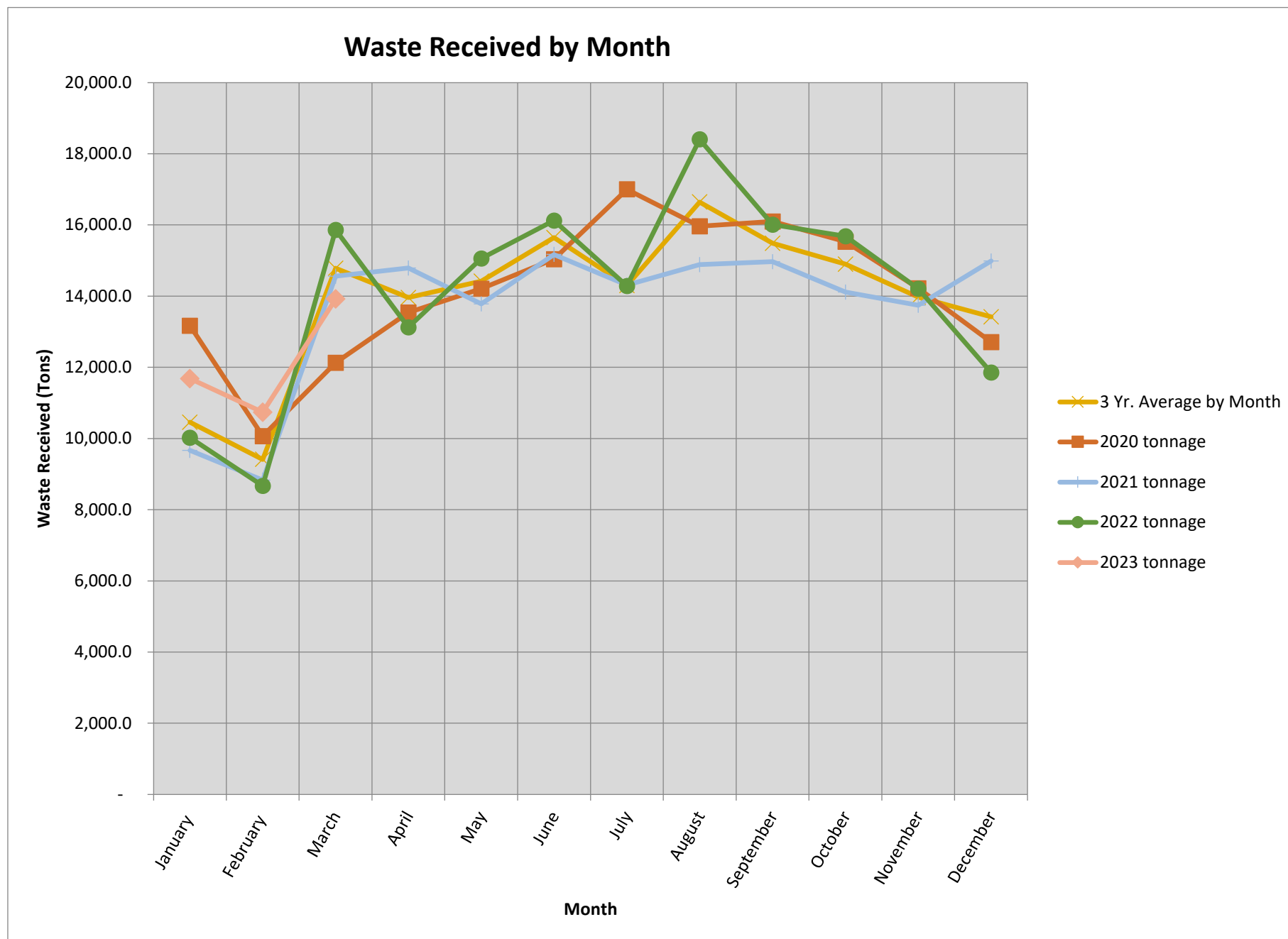
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Waste Received by Month PCCL Landfill No 2

Month	2016 Tonnage	2017 Tonnage	2018 Tonnage	2019 Tonnage	2020 tonnage	2021 tonnage	2022 tonnage	2023 tonnage	5 Yr. Average by Month	3 Yr. Average by Month	2 Yr. Average by Month
January	13,255.78	16,148.43	11,730.59	12,199.76	13,168.18	9,667.53	10,021.13	11,682.50	11,347.8	10,457.1	10,851.8
February	14,992.00	11,959.48	12,244.04	9,746.12	10,070.59	8,832.31	8,670.38	10,740.68	9,612.0	9,414.5	9,705.5
March	15,881.57	14,204.13	14,516.49	12,533.33	12,128.74	14,559.55	15,860.15	13,919.72	13,800.3	14,779.8	14,889.9
April	16,231.71	14,883.60	14,573.51	15,014.76	13,541.53	14,791.33	13,123.26		14,117.7	13,957.3	13,123.3
May	17,708.52	18,306.44	17,568.27	16,560.81	14,209.21	13,779.53	15,056.74		14,901.6	14,418.1	15,056.7
June	17,890.95	19,901.95	16,896.60	15,267.88	15,037.75	15,171.04	16,120.02		15,399.2	15,645.5	16,120.0
July	15,088.31	17,685.91	16,116.44	15,569.30	17,000.88	14,309.57	14,284.38		15,291.0	14,297.0	14,284.4
August	17,744.07	20,548.26	16,445.70	16,690.04	15,963.12	14,881.66	18,405.77		16,485.1	16,643.7	18,405.8
September	18,890.92	18,155.15	14,809.20	13,953.48	16,095.09	14,965.24	16,009.40		15,255.8	15,487.3	16,009.4
October	16,091.54	17,772.77	16,235.75	19,289.83	15,531.79	14,112.35	15,684.03		16,154.5	14,898.2	15,684.0
November	14,459.79	17,273.03	13,895.01	18,263.39	14,222.22	13,741.19	14,207.94		15,108.7	13,974.6	14,207.9
December	13,168.40	12,764.20	12,208.30	14,534.79	12,708.54	14,983.92	11,853.62		13,520.2	13,418.8	11,853.6
Total	191,403.56	199,603.35	177,239.90	179,623.49	169,677.64	163,795.22	169,296.82	36,342.90	170,993.98	167,391.81	170,192.44
General MSW	182,787.68	187,239.69	173,804.02	161,919.10	161,970.42	159,145.96	160,305.60	35,556.49			
Profiled Waste Tons	8,615.88	12,363.66	3,435.88	17,704.39	7,707.22	4,649.26	8,991.22	786.41			





REQUEST FOR DISCUSSION

To: Peoria City/County Landfill Committee Members
From: Joshua Gabehart, P.E.; Foth Infrastructure and Environment, LLC

AGENDA DATE REQUESTED: April 12, 2023

ACTION REQUESTED: Approval for Chairman Morris' Signature

- Two 405-CAAPP Forms for a Flare Shutdown that Exceeded the One Hour Duration
- Annual Report for PCCL #1
- Annual Closure/Post Closure Cost Estimate Update
- Renewal of the Discharge Permit to the Greater Peoria Sanitary District
- Alternate Source Demonstration Reports for Groundwater Monitoring Wells G07S and G26S
- Assessment Summary Report for Groundwater Well G15S

BACKGROUND: During the shutdowns the flare system functioned as designed, there were no releases of landfill gas to the atmosphere. The causes of the shutdowns are discussed in the monthly update.

The annual Report is due May 1st, and the report must contain the following information as required by 35 IAC, Section 813.504:

- Information relating to monitoring data from leachate collection system, groundwater monitoring network, gas monitoring, and any other monitoring data specified in this permit including
 - ◆ Summary of monitoring for the calendar year
 - ◆ Dates of submittal of comprehensive monitoring data to the Agency during the calendar year
 - ◆ Statistical summaries and analysis of trends
 - ◆ Changes to the monitoring program
 - ◆ Discussion of error analysis, detection limits, and observed trends
- Proposed activities including:
 - ◆ Structures to be built within the next calendar year
 - ◆ New monitoring stations to be installed within the next calendar year
 - ◆ Any modifications or significant modification affecting operation of the facility

The owner or operator shall adjust the cost estimate for post-closure, and corrective action for inflation on an annual basis during the following time periods:

- Post-Closure care period for the post-closure cost or
- Until any corrective action program is complete in accordance with 35 IAC, Section 811.326, for the cost of corrective action.

Renewal of the discharge permit to the Greater Peoria Sanitary District. This permit is required to be renewed every five years.

Alternate source demonstrations will be submitted regarding the dissolved chloride and dissolved ammonia concentrations at groundwater well G07S and acetone concentration at groundwater well G26S.

An assessment summary report regarding the acetone concentration at groundwater well G15S.

Foth does not expect other reports requiring Chairman Morris or Director Powers' signatures. However, we respectfully request approval to obtain Chairman Morris' signature should the need arise prior to the next Committee Meeting. If the need does arise, a report will be brought before the board at the next scheduled meeting.

FINANCIAL IMPACT: These submittals are included in the professional services agreement with Foth Infrastructure & Environment, LLC.



REQUEST FOR DISCUSSION

To: Peoria City/County Landfill Committee Members

From: Mark Williams and Joshua Gabehart, P.E.; Foth Infrastructure and Environment, LLC

Agenda Date Requested: April 12, 2023

ACTION REQUESTED: Receive and file five, pre-approved waste profiles (635079IL, 635080IL, 635087IL, 635131IL, 635365IL).

BACKGROUND: Please see attached memorandum, which reviews and includes information pertaining to these profiles:

1. Profile 635079IL from Illinois Power Generating Company was pre-approved per the Asbestos Containing Material Policy.
2. Profile 635080IL from Illinois Power Generating Company was pre-approved per the Asbestos Containing Material Policy.
3. Profile 635087IL from Illinois Department of Transportation was pre-approved per Contaminated Soil and Debris Policy.
4. Profile 635131IL from Illinois Department of Transportation-68G74 was pre-approved per the Contaminated Soil and Debris Policy
5. Profile 635365IL from Bridgestone Peoria was pre-approved per the Contaminated Soil and Debris Policy.

Based on the information provided, Foth has no technical objections for acceptance of the waste profiles listed above.

FINANCIAL IMPACT: The waste profiles are expected to generate approximately \$6,352.50 in host fees.



Memorandum

Foth Infrastructure & Environment, LLC
2314 West Altorfer Drive
Peoria, IL 61615
(309) 691-5300 • Fax: (309) 691-1892
www.foth.com

April 12, 2023

TO: Joint City of Peoria - County of Peoria Solid Waste Disposal Facility Board

CC: Rick Powers, City of Peoria
Scott Sorrel, Peoria County

FR: Mark Williams, Foth Infrastructure & Environment, LLC

RE: Certified Non-Special and Special Waste Permit Approvals

Waste Management has presented the following waste streams.

Pre-Approved Waste Streams (No Action is Required. For Information Only)

- Illinois Power Generating Company, Profile 635079IL
 - Asbestos Containing Material Policy
 - 30 yards, one-time
 - Estimated Host Fee – \$123.75
- Illinois Power Generating Company, Profile 635080IL
 - Asbestos Containing Material Policy
 - 300 yards, one-time
 - Estimated Host Fee – \$1237.50
- Illinois Department of Transportation-68F38, Profile 635087IL
 - Contaminated Soil and Debris Policy
 - 1140 yards, one-time
 - Estimated Host Fee – \$4702.50
- Illinois Department of Transportation-68G74, Profile 635131IL
 - Contaminated Soil and Debris Policy
 - 50 yards, one-time
 - Estimated Host Fee – \$206.25
- Bridgestone Peoria, Profile 635365IL
 - Contaminated Soil and Debris Policy

- 20 yards, one-time
- Estimated Host Fee – \$82.50

See attached profile sheets. SDSs and laboratory reports are provided in Attachment A.

Committee approval does not relieve the Generator or Landfill Operator from complying with all applicable laws and regulations. Committee approval is based on information provided by Generator and Landfill Operator.



Requested Facility: Peoria City - County Landfill ☐ Unsure Profile Number: 635079IL
☐ Multiple Generator Locations (Attach Locations) ☐ Request Certificate of Disposal ☐ Renewal? Original Profile Number: _____

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

1. Generator Name: Illinois Power Generating Company
 2. Generator Site Address: 17933 N Cilco Rd
 (City, State, ZIP) Canton IL 61520
 3. County: Fulton
 4. Contact Name: Dianna Tickner
 5. Email: dianna.tickner@vistracorp.com
 6. Phone: (618) 381-3124 7. Fax: _____
 8. Generator EPA ID: _____ ☒ N/A
 9. State ID: _____ ☒ N/A

C. MATERIAL INFORMATION

1. Common Name: Asbestos-Friable
 Describe Process(es) Generating Material: ☐ See Attached
Removal of regulated, uncontaminated friable, or non-friable that has become friable, asbestos containing materials from demolition/dismantling or remediation activities. DOES NOT include clean-up wastes, such as, soils that are
 2. Material Composition and Contaminants: ☐ See Attached

1. <u>Demolition debris, asbestos</u>	<u>100 %</u>
2.	
3.	
4.	
Total comp. must be equal to or greater than 100%	<u>≥100%</u>

 3. State Waste Codes: _____ ☒ N/A
 4. Color: Various
 5. Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Other: _____
 6. Free Liquid Range Percentage: _____ to _____ ☒ N/A
 7. pH: _____ to _____ ☒ N/A
 8. Strong Odor: ☐ Yes ☒ No Describe: _____
 9. Flash Point: ☐ <140°F ☐ 140°–199°F ☒ ≥200° ☒ N/A

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

1. Analytical attached ☐ Yes
 Please identify applicable samples and/or lab reports:

 2. Other information attached (such as MSDS)? ☐ Yes

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this EZ Profile™ form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 – Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to Waste Management prior to providing the material to Waste Management.

☐ I am an Authorized Agent signing on behalf of the Generator, and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.

Name (Print): Dianna Tickner Date: 03/01/2023
 Title: Senior Director, Decommissioning & Demolition
 Company: Luminant

B. BILLING INFORMATION☐ SAME AS GENERATOR

1. Billing Name: Green Rock Strategies LLC
 2. Billing Address: 1640 Meeting Street Suite 305
 (City, State, ZIP) Charleston SC 29455
 3. Contact Name: Raymond Lightfoot
 4. Email: rlightfoot@greenrockllc.com
 5. Phone: (502) 803-1733 6. Fax: _____
 7. WM Hauled? ☐ Yes ☒ No
 8. P.O. Number: _____
 9. Payment Method: ☒ Credit Account ☐ Cash ☐ Credit Card

D. REGULATORY INFORMATION

1. EPA Hazardous Waste? ☐ Yes* ☒ No
 Code: _____
 2. State Hazardous Waste? ☐ Yes ☒ No
 Code: _____
 3. Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? ☐ Yes* ☒ No
 4. Contains Underlying Hazardous Constituents? ☐ Yes* ☒ No
 5. From an industry regulated under Benzene NESHAP? ☐ Yes* ☒ No
 6. Facility remediation subject to 40 CFR 63 GGGGG? ☐ Yes* ☒ No
 7. CERCLA or State-mandated clean-up? ☐ Yes* ☒ No
 8. NRC or State-regulated radioactive or NORM waste? ☐ Yes* ☒ No
***If Yes, see Addendum (page 2) for additional questions and space.**
 9. Contains PCBs? → If Yes, answer a, b and c. ☐ Yes ☒ No
 a. Regulated by 40 CFR 761? ☐ Yes ☐ No
 b. Remediation under 40 CFR 761.61 (a)? ☐ Yes ☐ No
 c. Were PCB imported into the US? ☐ Yes ☐ No
 10. Regulated and/or Untreated Medical/Infectious Waste? ☐ Yes ☒ No
 11. Contains Asbestos? ☒ Yes ☐ No
 → If Yes: ☐ Non-Friable ☒ Non-Friable – Regulated ☒ Friable

F. SHIPPING AND DOT INFORMATION

1. ☒ One-Time Event ☐ Repeat Event/Ongoing Business
 2. Estimated Quantity/Unit of Measure: 30
☐ Tons ☒ Yards ☐ Drums ☐ Gallons ☐ Other: _____
 3. Container Type and Size: 30cy roll-offs
 4. USDOT Proper Shipping Name: _____ ☐ N/A

RQ, NA2212, Asbestos, 9, PG III

Certification Signature

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EZ Profile™ Addendum



Only complete this Addendum if prompted by responses on EZ Profile™ (page 1) or to provide additional information. Sections and question numbers correspond to EZ Profile™.

Profile Number: 6350791L

C. MATERIAL INFORMATION

Describe Process Generating Material (Continued from page 1):

If more space is needed, please attach additional pages.

contaminated with asbestos, lead-based painted debris, liquids and PCB containing building materials such as caulk/glaze/mastic/galbestos.

Material Composition and Contaminants (Continued from page 1):

If more space is needed, please attach additional pages.

5.	
6.	
7.	
8.	
9.	
Total composition must be equal to or greater than 100%	
	≥100%

D. REGULATORY INFORMATION

Only questions with a "Yes" response in Section D on the EZ Profile™ form (page 1) need to be answered here.

1. EPA Hazardous Waste

a. Please list all USEPA listed and characteristic waste code numbers:

b. Is the material subject to the Alternative Debris standards (40 CFR 268.45)?

☐ Yes ☐ No

c. Is the material subject to the Alternative Soil standards (40 CFR 268.49)? → If Yes, complete question 4.

☐ Yes ☐ No

d. Is the material exempt from Subpart CC Controls (40 CFR 264.1083)?

☐ Yes ☐ No

→ If Yes, please check **one** of the following:

☐ Waste meets LDR or treatment exemptions for organics (40 CFR 264.1082(c)(2) or (c)(4))

☐ Waste contains VOCs that average <500 ppmw (CFR 264.1082(c)(1)) – will require annual update.

2. State Hazardous Waste → Please list all state waste codes: _____

3. For material that is Treated, Delisted, or Excluded → Please indicate the category, below:

☐ Delisted Hazardous Waste

☐ Excluded Waste under 40 CFR 261.4 → Specify Exclusion: _____

☐ Treated Hazardous Waste Debris

☐ Treated Characteristic Hazardous Waste → If checked, complete question 4.

4. Underlying Hazardous Constituents → Please list all Underlying Hazardous Constituents:

5. Industries regulated under Benzene NESHAP include petroleum refineries, chemical manufacturing plants, coke by-product recovery plants, and TSDFs.

a. Are you a TSDF? → If yes, please complete Benzene NESHAP questionnaire. If not, continue.

☐ Yes ☐ No

b. Does this material contain benzene?

☐ Yes ☐ No

1. If yes, what is the flow weighted average concentration?

_____ ppmw

c. What is your facility's current total annual benzene quantity in Megagrams?

☐ <1 Mg ☐ 1–9.99 Mg ☐ ≥10 Mg

d. Is this waste soil from a remediation?

☐ Yes ☐ No

1. If yes, what is the benzene concentration in remediation waste?

_____ ppmw

e. Does the waste contain >10% water/moisture?

☐ Yes ☐ No

f. Has material been treated to remove 99% of the benzene or to achieve <10 ppmw?

☐ Yes ☐ No

g. Is material exempt from controls in accordance with 40 CFR 61.342?

☐ Yes ☐ No

→ If yes, specify exemption: _____

h. Based on your knowledge of your waste and the BWON regulations, do you believe that this waste stream is subject to treatment and control requirements at an off-site TSDF?

☐ Yes ☐ No

6. 40 CFR 63 GGGGG → Does the material contain <500 ppmw VOHAPs at the point of determination?

☐ Yes ☐ No

7. CERCLA or State-Mandated clean up → Please submit the Record of Decision or other documentation with process information to assist others in the evaluation for proper disposal. A "Determination of Acceptability" may be needed for CERCLA wastes not going to a CERCLA approved facility.

8. NRC or state regulated radioactive or NORM Waste → Please identify Isotopes and pCi/g: _____



Requested Facility: Peoria City - County Landfill ☐ Unsure Profile Number: 635080IL
☐ Multiple Generator Locations (Attach Locations) ☐ Request Certificate of Disposal ☐ Renewal? Original Profile Number: _____

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

- Generator Name: Illinois Power Generating Company
- Generator Site Address: 17933 N Cilco Rd
(City, State, ZIP) Canton IL 61520
- County: Fulton
- Contact Name: Dianna Tickner
- Email: dianna.tickner@vistracorp.com
- Phone: (618) 381-3124 7. Fax: _____
- Generator EPA ID: _____ ☒ N/A
- State ID: _____ ☒ N/A

C. MATERIAL INFORMATION

- Common Name: Asbestos-Non-Friable
Describe Process(es) Generating Material: ☐ See Attached

Removal of uncontaminated, non-regulated, non-friable asbestos from Demolition/ renovation - when dry, cannot be crumbled, pulverized or reduced to powder by hand pressure. Specific to gaskets, resilient floor coverings and asphalt roofing
- Material Composition and Contaminants: ☐ See Attached

1. Non-Friable Asbestos (Uncontaminated)	0-100 %
2.	
3.	
4.	
Total comp. must be equal to or greater than 100% ≥100%	
- State Waste Codes: _____ ☒ N/A
- Color: Various
- Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Other: _____
- Free Liquid Range Percentage: _____ to _____ ☒ N/A
- pH: _____ to _____ ☒ N/A
- Strong Odor: ☐ Yes ☒ No Describe: _____
- Flash Point: ☐ <140°F ☐ 140° – 199°F ☒ ≥200° ☒ N/A

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

- Analytical attached ☐ Yes
Please identify applicable samples and/or lab reports:
- Other information attached (such as MSDS)? ☐ Yes

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this EZ Profile™ form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 – Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to Waste Management prior to providing the material to Waste Management.

- ☐ I am an Authorized Agent signing on behalf of the Generator, and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.

Name (Print): Dianna Tickner Date: 03/01/2023
 Title: Senior Director, Decommissioning & Demolition
 Company: Luminant

B. BILLING INFORMATION☐ SAME AS GENERATOR

- Billing Name: Green Rock Strategies LLC
- Billing Address: 1640 Meeting Street Suite 305
(City, State, ZIP) Charleston SC 29455
- Contact Name: Raymond Lightfoot
- Email: rlightfoot@greenrockllc.com
- Phone: (502) 803-1733 6. Fax: _____
- WM Hauled? ☒ Yes ☐ No
- P.O. Number: _____
- Payment Method: ☒ Credit Account ☐ Cash ☐ Credit Card

D. REGULATORY INFORMATION

- EPA Hazardous Waste? ☐ Yes* ☒ No
Code: _____
 - State Hazardous Waste? ☐ Yes ☒ No
Code: _____
 - Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? ☐ Yes* ☒ No
 - Contains Underlying Hazardous Constituents? ☐ Yes* ☒ No
 - From an industry regulated under Benzene NESHAP? ☐ Yes* ☒ No
 - Facility remediation subject to 40 CFR 63 GGGGG? ☐ Yes* ☒ No
 - CERCLA or State-mandated clean-up? ☐ Yes* ☒ No
 - NRC or State-regulated radioactive or NORM waste? ☐ Yes* ☒ No
- *If Yes, see Addendum (page 2) for additional questions and space.**
- Contains PCBs? → If Yes, answer a, b and c. ☐ Yes ☒ No
 - Regulated by 40 CFR 761? ☐ Yes ☐ No
 - Remediation under 40 CFR 761.61 (a)? ☐ Yes ☐ No
 - Were PCB imported into the US? ☐ Yes ☐ No
 - Regulated and/or Untreated Medical/Infectious Waste? ☐ Yes ☒ No
 - Contains Asbestos? ☒ Yes ☐ No
→ If Yes: ☒ Non-Friable ☐ Non-Friable – Regulated ☐ Friable

F. SHIPPING AND DOT INFORMATION

- ☒ One-Time Event ☐ Repeat Event/Ongoing Business
- Estimated Quantity/Unit of Measure: 300
☐ Tons ☒ Yards ☐ Drums ☐ Gallons ☐ Other: _____
- Container Type and Size: 30cy roll-offs
- USDOT Proper Shipping Name: _____ ☒ N/A

Certification Signature

87F4a57100...



EZ Profile™ Addendum



Only complete this Addendum if prompted by responses on EZ Profile™ (page 1) or to provide additional information. Sections and question numbers correspond to EZ Profile™.

Profile Number: 635080IL

C. MATERIAL INFORMATION

Describe Process Generating Material (Continued from page 1):

If more space is needed, please attach additional pages.

products (specify in C.2.) DOES NOT include clean-up wastes, such as, soils that are contaminated with asbestos, lead-based painted debris, liquids and PCB containing building materials such as caulk/glaze/mastic/galbestos.

Material Composition and Contaminants (Continued from page 1):

If more space is needed, please attach additional pages.

5.	
6.	
7.	
8.	
9.	
Total composition must be equal to or greater than 100%	
	≥100%

D. REGULATORY INFORMATION

Only questions with a "Yes" response in Section D on the EZ Profile™ form (page 1) need to be answered here.

1. EPA Hazardous Waste

a. Please list all USEPA listed and characteristic waste code numbers:

b. Is the material subject to the Alternative Debris standards (40 CFR 268.45)?

☐ Yes ☐ No

c. Is the material subject to the Alternative Soil standards (40 CFR 268.49)? → If Yes, complete question 4.

☐ Yes ☐ No

d. Is the material exempt from Subpart CC Controls (40 CFR 264.1083)?

☐ Yes ☐ No

→ If Yes, please check **one** of the following:

☐ Waste meets LDR or treatment exemptions for organics (40 CFR 264.1082(c)(2) or (c)(4))

☐ Waste contains VOCs that average <500 ppmw (CFR 264.1082(c)(1)) – will require annual update.

2. State Hazardous Waste → Please list all state waste codes: _____

3. For material that is Treated, Delisted, or Excluded → Please indicate the category, below:

☐ Delisted Hazardous Waste

☐ Excluded Waste under 40 CFR 261.4 → Specify Exclusion: _____

☐ Treated Hazardous Waste Debris

☐ Treated Characteristic Hazardous Waste → If checked, complete question 4.

4. Underlying Hazardous Constituents → Please list all Underlying Hazardous Constituents:

5. Industries regulated under Benzene NESHAP include petroleum refineries, chemical manufacturing plants, coke by-product recovery plants, and TSDFs.

a. Are you a TSDF? → If yes, please complete Benzene NESHAP questionnaire. If not, continue.

☐ Yes ☐ No

b. Does this material contain benzene?

☐ Yes ☐ No

1. If yes, what is the flow weighted average concentration?

_____ ppmw

c. What is your facility's current total annual benzene quantity in Megagrams?

☐ <1 Mg ☐ 1–9.99 Mg ☐ ≥10 Mg

d. Is this waste soil from a remediation?

☐ Yes ☐ No

1. If yes, what is the benzene concentration in remediation waste?

_____ ppmw

e. Does the waste contain >10% water/moisture?

☐ Yes ☐ No

f. Has material been treated to remove 99% of the benzene or to achieve <10 ppmw?

☐ Yes ☐ No

g. Is material exempt from controls in accordance with 40 CFR 61.342?

☐ Yes ☐ No

→ If yes, specify exemption: _____

h. Based on your knowledge of your waste and the BWON regulations, do you believe that this waste stream is subject to treatment and control requirements at an off-site TSDF?

☐ Yes ☐ No

6. 40 CFR 63 GGGGG → Does the material contain <500 ppmw VOHAPs at the point of determination?

☐ Yes ☐ No

7. CERCLA or State-Mandated clean up → Please submit the Record of Decision or other documentation with process information to assist others in the evaluation for proper disposal. A "Determination of Acceptability" may be needed for CERCLA wastes not going to a CERCLA approved facility.

8. NRC or state regulated radioactive or NORM Waste → Please identify Isotopes and pCi/g: _____



Requested Facility: Peoria City - County Landfill ☐ Unsure Profile Number: 635087IL
☐ Multiple Generator Locations (Attach Locations) ☐ Request Certificate of Disposal ☐ Renewal? Original Profile Number: _____

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

- Generator Name: Illinois Department of Transportation - 68F38
- Generator Site Address: 200-500 SW Adams St
(City, State, ZIP) Peoria IL 61602
- County: Peoria
- Contact Name: Matt Stockert
- Email: matts@environmentalops.com
- Phone: (618) 581-4544 7. Fax: _____
- Generator EPA ID: _____ ☒ N/A
- State ID: _____ ☒ N/A

C. MATERIAL INFORMATION

- Common Name: Soil
Describe Process(es) Generating Material: ☐ See Attached

Excess soil resulting from excavation for roadway maintenance and reconstruction
- Material Composition and Contaminants: ☐ See Attached

1. <u>soil</u>	100 %
2.	
3.	
4.	
Total comp. must be equal to or greater than 100% <u>≥100%</u>	
- State Waste Codes: _____ ☒ N/A
- Color: brown
- Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Other: _____
- Free Liquid Range Percentage: _____ to _____ ☒ N/A
- pH: 7.86 to 8.75 ☐ N/A
- Strong Odor: ☐ Yes ☒ No Describe: _____
- Flash Point: ☐ <140°F ☐ 140°–199°F ☒ ≥200° ☐ N/A

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

- Analytical attached ☒ Yes
Please identify applicable samples and/or lab reports:

SS-68F38-1, SS-68F38-2, SS-68F38-3, SS-68F38-4, SS-68F38-5
- Other information attached (such as MSDS)? ☐ Yes

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this EZ Profile™ form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 – Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to Waste Management prior to providing the material to Waste Management.

- ☒ I am an Authorized Agent signing on behalf of the Generator, and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.

Name (Print): Matt Stockert Date: 02/24/2023
 Title: IHS Program Manager
 Company: Environmental Operations, Inc.

B. BILLING INFORMATION☒ SAME AS GENERATOR

- Billing Name: Phoenix Corporation of the Quad Cities
- Billing Address: 1006 Rosehill Rd
(City, State, ZIP) Port Byron IL 61275
- Contact Name: Andrew DeCap
- Email: adecap@phoenixcorp.org
- Phone: (309) 523-3687 x206 6. Fax: _____
- WM Hauled? ☐ Yes ☒ No
- P.O. Number: _____
- Payment Method: ☐ Credit Account ☐ Cash ☐ Credit Card

D. REGULATORY INFORMATION

- EPA Hazardous Waste? ☐ Yes* ☒ No
Code: _____
 - State Hazardous Waste? ☐ Yes ☒ No
Code: _____
 - Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? ☐ Yes* ☒ No
 - Contains Underlying Hazardous Constituents? ☐ Yes* ☒ No
 - From an industry regulated under Benzene NESHAP? ☐ Yes* ☒ No
 - Facility remediation subject to 40 CFR 63 GGGGG? ☐ Yes* ☒ No
 - CERCLA or State-mandated clean-up? ☐ Yes* ☒ No
 - NRC or State-regulated radioactive or NORM waste? ☐ Yes* ☒ No
- *If Yes, see Addendum (page 2) for additional questions and space.**
- Contains PCBs? → If Yes, answer a, b and c. ☐ Yes ☒ No
 - Regulated by 40 CFR 761? ☐ Yes ☐ No
 - Remediation under 40 CFR 761.61 (a)? ☐ Yes ☐ No
 - Were PCB imported into the US? ☐ Yes ☐ No
 - Regulated and/or Untreated Medical/Infectious Waste? ☐ Yes ☒ No
 - Contains Asbestos? ☐ Yes ☒ No
→ If Yes: ☐ Non-Friable ☐ Non-Friable – Regulated ☐ Friable

F. SHIPPING AND DOT INFORMATION

- ☒ One-Time Event ☐ Repeat Event/Ongoing Business
- Estimated Quantity/Unit of Measure: 1140
☐ Tons ☒ Yards ☐ Drums ☐ Gallons ☐ Other: _____
- Container Type and Size: bulk
- USDOT Proper Shipping Name: ☒ N/A

Certification Signature

Matt Stockert

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Profile Addendum: State of Illinois GENERATOR'S NON-SPECIAL WASTE CERTIFICATION

F. Additional Waste Stream Information

Profile Number: 635087IL

Generators Name: Illinois Department of Transportation - 68F38

Generators SITE Address: 200-500 SW Adams St Peoria IL 61602
(The location where the waste is generated)

Waste Name: Soil

The Illinois Environmental Protection Act allows a Generator to certify that their pollution control waste or industrial process waste, is not an Illinois Special Waste (Section 3.45). By completing the following questionnaire, you may certify that the waste stream represented by the Waste Management Profile referenced above is not an Illinois Special Waste as defined in the Act.

Is the waste referenced above any of the following:

- | | | |
|--|------------------------------|--|
| 1. A Potentially Infectious Medical Waste (PIMW)? | ☐ Yes | ☒ No |
| 2. A Hazardous Waste as defined in 40 CFR 261 or in 35 IAC 722.111? | ☐ Yes | ☒ No |
| 3. A Liquid Waste (fails the paint filter test as defined in 35 IAC 811.107)? | ☐ Yes | ☒ No |
| 4. A regulated PCB waste as defined in 40 CFR 761? | ☐ Yes | ☒ No |
| 5. A NESHAP regulated asbestos waste other than waste from renovation or demolition? | ☐ Yes | ☒ No |
| 6. A waste resulting from the shredding recyclable metals (auto fluff)? | ☐ Yes | ☒ No |
| 7. A delisted Hazardous Waste or Treated Characteristic Hazardous Waste, subject to LDR requirements under 35 IAC 728.107? | ☐ Yes | ☒ No |

In determining that this waste is not a liquid, I have used knowledge of the processes generating the waste and the attached supporting documentation: ☐ MSDS ☒ Analytical ☐ Other (explain below):

In determining that this waste is not RCRA hazardous, I have used knowledge of the processes generating the waste and the attached supporting documentation: ☐ MSDS ☒ Analytical ☐ Other (explain below):

8. Is the waste represented by this profile sheet exempt from Illinois Solid Waste Management Act fee? ☒ Yes ☐ No

Select option: ☒ Pollution Control Waste ☐ Other

By signing below, I certify my waste is NOT an Illinois Special Waste, and that I understand that a person who knowingly and falsely certifies that a waste is not special waste is subject to the penalties set forth in subdivision (6) of subsection (h) of section 44 of the Illinois Environmental Protection Act.

Name: (Print) Matt Stockert

Title: IHS Program Manager

Signature: Matt Stockert

Date: 02/24/2023



Requested Facility: Peoria City - County Landfill ☐ Unsure Profile Number: 635131IL
☐ Multiple Generator Locations (Attach Locations) ☐ Request Certificate of Disposal ☐ Renewal? Original Profile Number: _____

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

- Generator Name: Illinois Department of Transportation - 68G74
- Generator Site Address: 701 W. Detweiller Dr., 707 W Pioneer
(City, State, ZIP) Peoria IL 61615
- County: Peoria
- Contact Name: Matt Stockert
- Email: matts@environmentalops.com
- Phone: (618) 581-4544 7. Fax: _____
- Generator EPA ID: _____ ☒ N/A
- State ID: _____ ☒ N/A

C. MATERIAL INFORMATION

- Common Name: Soil
Describe Process(es) Generating Material: ☐ See Attached

Excess soil resulting from excavation for roadway reconstruction and maintenance
- Material Composition and Contaminants: ☐ See Attached

1. <u>Soil</u>	100 %
2. _____	
3. _____	
4. _____	
Total comp. must be equal to or greater than 100% ≥100%	
- State Waste Codes: _____ ☒ N/A
- Color: brown
- Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Other: _____
- Free Liquid Range Percentage: _____ to _____ ☒ N/A
- pH: 7.70 to 8.08 ☐ N/A
- Strong Odor: ☐ Yes ☒ No Describe: _____
- Flash Point: ☐ <140°F ☐ 140°–199°F ☒ ≥200° ☐ N/A

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

- Analytical attached ☒ Yes
Please identify applicable samples and/or lab reports:

SS-68G74-1, SS-68G74-2, SS-68G74-3
- Other information attached (such as MSDS)? ☐ Yes

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this EZ Profile™ form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 – Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to Waste Management prior to providing the material to Waste Management.

- ☒ I am an Authorized Agent signing on behalf of the Generator, and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.

Name (Print): Matt Stockert Date: 02/28/2023
 Title: IHS Program Manager
 Company: Environmental Operations, Inc.

B. BILLING INFORMATION☐ SAME AS GENERATOR

- Billing Name: Oberlander Electric Co.
- Billing Address: 2101 N Main St
(City, State, ZIP) East Peoria IL 61611
- Contact Name: Ryan Marvin
- Email: rmarvin@oberlanderelectric.com
- Phone: (309) 694-1468 6. Fax: _____
- WM Hauled? ☐ Yes ☒ No
- P.O. Number: _____
- Payment Method: ☐ Credit Account ☐ Cash ☐ Credit Card

D. REGULATORY INFORMATION

- EPA Hazardous Waste? ☐ Yes* ☒ No
Code: _____
 - State Hazardous Waste? ☐ Yes ☒ No
Code: _____
 - Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? ☐ Yes* ☒ No
 - Contains Underlying Hazardous Constituents? ☐ Yes* ☒ No
 - From an industry regulated under Benzene NESHAP? ☐ Yes* ☒ No
 - Facility remediation subject to 40 CFR 63 GGGGG? ☐ Yes* ☒ No
 - CERCLA or State-mandated clean-up? ☐ Yes* ☒ No
 - NRC or State-regulated radioactive or NORM waste? ☐ Yes* ☒ No
- *If Yes, see Addendum (page 2) for additional questions and space.**
- Contains PCBs? → If Yes, answer a, b and c. ☐ Yes ☒ No
 - Regulated by 40 CFR 761? ☐ Yes ☐ No
 - Remediation under 40 CFR 761.61 (a)? ☐ Yes ☐ No
 - Were PCB imported into the US? ☐ Yes ☐ No
 - Regulated and/or Untreated Medical/Infectious Waste? ☐ Yes ☒ No
 - Contains Asbestos? ☐ Yes ☒ No
→ If Yes: ☐ Non-Friable ☐ Non-Friable – Regulated ☐ Friable

F. SHIPPING AND DOT INFORMATION

- ☒ One-Time Event ☐ Repeat Event/Ongoing Business
- Estimated Quantity/Unit of Measure: 50
☐ Tons ☒ Yards ☐ Drums ☐ Gallons ☐ Other: _____
- Container Type and Size: bulk
- USDOT Proper Shipping Name: _____ ☒ N/A

Certification Signature

1246eb6d8c...



Profile Addendum: State of Illinois GENERATOR'S NON-SPECIAL WASTE CERTIFICATION

F. Additional Waste Stream Information

Profile Number: 635131IL

Generators Name: Illinois Department of Transportation - 68G74

Generators SITE Address: 701 W. Detweiller Dr., 707 W Pioneer Peoria IL 61615
(The location where the waste is generated)

Waste Name: Soil

The Illinois Environmental Protection Act allows a Generator to certify that their pollution control waste or industrial process waste, is not an Illinois Special Waste (Section 3.45). By completing the following questionnaire, you may certify that the waste stream represented by the Waste Management Profile referenced above is not an Illinois Special Waste as defined in the Act.

Is the waste referenced above any of the following:

- | | | |
|--|------------------------------|--|
| 1. A Potentially Infectious Medical Waste (PIMW)? | ☐ Yes | ☒ No |
| 2. A Hazardous Waste as defined in 40 CFR 261 or in 35 IAC 722.111? | ☐ Yes | ☒ No |
| 3. A Liquid Waste (fails the paint filter test as defined in 35 IAC 811.107)? | ☐ Yes | ☒ No |
| 4. A regulated PCB waste as defined in 40 CFR 761? | ☐ Yes | ☒ No |
| 5. A NESHAP regulated asbestos waste other than waste from renovation or demolition? | ☐ Yes | ☒ No |
| 6. A waste resulting from the shredding recyclable metals (auto fluff)? | ☐ Yes | ☒ No |
| 7. A delisted Hazardous Waste or Treated Characteristic Hazardous Waste, subject to LDR requirements under 35 IAC 728.107? | ☐ Yes | ☒ No |

In determining that this waste is not a liquid, I have used knowledge of the processes generating the waste and the attached supporting documentation: ☐ MSDS ☒ Analytical ☐ Other (explain below):

In determining that this waste is not RCRA hazardous, I have used knowledge of the processes generating the waste and the attached supporting documentation: ☐ MSDS ☒ Analytical ☐ Other (explain below):

8. Is the waste represented by this profile sheet exempt from Illinois Solid Waste Management Act fee? ☒ Yes ☐ No

Select option: ☒ Pollution Control Waste ☐ Other

By signing below, I certify my waste is NOT an Illinois Special Waste, and that I understand that a person who knowingly and falsely certifies that a waste is not special waste is subject to the penalties set forth in subdivision (6) of subsection (h) of section 44 of the Illinois Environmental Protection Act.

Name: (Print) Matt Stockert

Title: IHS Program Manager

Signature: Matt Stockert

Date: 02/28/2023



Requested Facility: Peoria City - County Landfill ☐ Unsure Profile Number: 635365IL
☐ Multiple Generator Locations (Attach Locations) ☐ Request Certificate of Disposal ☐ Renewal? Original Profile Number: _____

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

- Generator Name: Bridgestone Peoria
- Generator Site Address: 1601 Knoxville Avenue
(City, State, ZIP) Peoria IL 61603
- County: Peoria
- Contact Name: Mike Tharpe
- Email: tharpemike@bfusa.com
- Phone: (615) 554-0417 7. Fax: _____
- Generator EPA ID: _____ ☒ N/A
- State ID: _____ ☒ N/A

C. MATERIAL INFORMATION

- Common Name: Hydraulic Oil Contaminated Soil
Describe Process(es) Generating Material: ☒ See Attached

Soil and/or Cleanup Debris (tarps, absorbent, pads, PPE, rags, etc) contaminated with hydraulic oil due to a line break, product spill, or leak.
- Material Composition and Contaminants: ☒ See Attached

1. Soil contaminated with hydraulic oil	90-100 %
2. Debris contaminated with hydraulic oil	0-10 %
3.	
4.	
Total comp. must be equal to or greater than 100% <u>≥100%</u>	
- State Waste Codes: _____ ☒ N/A
- Color: Brown/grey
- Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Other: _____
- Free Liquid Range Percentage: _____ to _____ ☒ N/A
- pH: _____ to _____ ☒ N/A
- Strong Odor: ☐ Yes ☒ No Describe: _____
- Flash Point: ☐ <140°F ☐ 140°-199°F ☐ ≥200° ☒ N/A

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

- Analytical attached ☒ Yes
Please identify Lab Report(s) and list specific representative Sample ID#s:

Bay 5
- Other information attached (such as SDS)? ☐ Yes

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this Waste Management ("WM") Profile, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to WM prior to providing the material to WM. I am aware that there are significant penalties for knowingly submitting false information.

- ☒ I am authorized to sign on behalf of the Generator and I have confirmed with the Generator that information contained in this profile, as well as supporting documents provided, are accurate and complete.
- ☐ I am a duly authorized employee of Generator holding a position of technical responsibility with direct knowledge of the waste stream and the information contained in this profile, and I confirm that information contained in this profile, as well as supporting documents are accurate and complete.

QUESTIONS? CALL 800 963 4776 FOR ASSISTANCE

B. BILLING INFORMATION☒ SAME AS GENERATOR

- Billing Name: Apex Companies, LLC
- Billing Address: 205 West Randolph Street, Suite 740
(City, State, ZIP) Chicago IL 60606
- Contact Name: Jen Makino
- Email: jen.makino@apexc.com
- Phone: (312) 639-8206 6. Fax: _____
- P.O. Number: Bridgestone - Peoria
- Payment Method: ☒ Credit Account ☐ Cash ☐ Credit Card at Gate

D. REGULATORY INFORMATION

- EPA Hazardous Waste? ☐ Yes* ☒ No
Code: _____
- State Hazardous Waste? ☐ Yes ☒ No
Code: _____
- Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? ☐ Yes* ☒ No
- Contains Underlying Hazardous Constituents? ☐ Yes* ☒ No
- Does the material contain benzene? ☐ Yes* ☒ No
- Facility remediation subject to 40 CFR 63 GGGGG? ☐ Yes* ☒ No
- CERCLA or State-mandated clean-up? ☐ Yes* ☒ No
- NRC, State-regulated, NORM or TENORM waste? ☐ Yes* ☒ No

***If Yes, see Addendum (page 2) for additional questions and space.**

- Contains PCBs? → If Yes, answer a, b and c. ☐ Yes ☒ No
 - Regulated by 40 CFR 761? ☐ Yes ☐ No
 - Remediation under 40 CFR 761.61 (a)? ☐ Yes ☐ No
 - Were PCB imported into the US? ☐ Yes ☐ No
- Regulated and/or Untreated Medical/Infectious Waste? ☐ Yes ☒ No
- Contains Asbestos? ☐ Yes ☒ No
→ If Yes: ☐ Non-Friable ☐ Non-Friable - Regulated ☐ Friable
- Contains Dioxins? (If Yes, please attach analysis) ☐ Yes ☒ No

F. SHIPPING AND DOT INFORMATION

- ☒ One-Time Event ☐ Repeat Event/Ongoing Business
- Estimated Annual Quantity/Unit of Measure: 20
☐ Tons ☒ Yards ☐ Drums ☐ Gallons ☐ Other _____
- Container Type and Size: 10 yard
- USDOT Proper Shipping Name ☒ N/A
- Estimated Start Date _____
- Transportation Needed? ☐ Yes* ☒ No

Name (Print): Mike Tharpe
Title: Lead Remediation Specialist
Company: Bridgestone Retail Operations, LLC
Date: 03/23/2023

Certification Signature

Mike Tharpe

a3c37ae060...



**Profile Addendum: State of Illinois
GENERATOR'S NON-SPECIAL WASTE CERTIFICATION**

F. Additional Waste Stream Information

Profile Number: 635365IL

Generators Name: Bridgestone Peoria

Generators SITE Address: 1601 Knoxville Avenue Peoria IL 61603
(The location where the waste is generated)

Waste Name: Hydraulic Oil Contaminated Soil

The Illinois Environmental Protection Act allows a Generator to certify that their pollution control waste or industrial process waste, is not an Illinois Special Waste (Section 3.45). By completing the following questionnaire, you may certify that the waste stream represented by the Waste Management Profile referenced above is not an Illinois Special Waste as defined in the Act.

Is the waste referenced above any of the following:

- | | | |
|--|------------------------------|--|
| 1. A Potentially Infectious Medical Waste (PIMW)? | ☐ Yes | ☒ No |
| 2. A Hazardous Waste as defined in 40 CFR 261 or in 35 IAC 722.111? | ☐ Yes | ☒ No |
| 3. A Liquid Waste (fails the paint filter test as defined in 35 IAC 811.107)? | ☐ Yes | ☒ No |
| 4. A regulated PCB waste as defined in 40 CFR 761? | ☐ Yes | ☒ No |
| 5. A NESHAP regulated asbestos waste other than waste from renovation or demolition? | ☐ Yes | ☒ No |
| 6. A waste resulting from the shredding recyclable metals (auto fluff)? | ☐ Yes | ☒ No |
| 7. A delisted Hazardous Waste or Treated Characteristic Hazardous Waste, subject to LDR requirements under 35 IAC 728.107? | ☐ Yes | ☒ No |

In determining that this waste is not a liquid, I have used knowledge of the processes generating the waste and the attached supporting documentation: ☒ MSDS ☒ Analytical ☐ Other (explain below):

In determining that this waste is not RCRA hazardous, I have used knowledge of the processes generating the waste and the attached supporting documentation: ☒ MSDS ☒ Analytical ☐ Other (explain below):

8. Is the waste represented by this profile sheet exempt from Illinois Solid Waste Management Act fee? ☒ Yes ☐ No

Select option: ☒ Pollution Control Waste ☐ Other

By signing below, I certify my waste is NOT an Illinois Special Waste, and that I understand that a person who knowingly and falsely certifies that a waste is not special waste is subject to the penalties set forth in subdivision (6) of subsection (h) of section 44 of the Illinois Environmental Protection Act.

Name: (Print) Mike Tharpe

Title: Lead Remediation Specialist

Signature: Mike Tharpe

Date: 03/23/2023



REQUEST FOR DISCUSSION

To: Peoria City/County Landfill Committee Members
From: Adrian Caballero and Joshua Gabehart, P.E., Foth Infrastructure & Environment, LLC

AGENDA DATE REQUESTED: April 12, 2023

ACTION REQUESTED: Discussion on recent meeting with AML.

BACKGROUND: On April 4, 2023, representatives from WM, GFL, Foth, Hanson, and AML met to discuss the entrance road dam and wetlands project. Topics of conversation included group introductions, site history, current design overview, project funding, procurement, schedule, breakdown of responsibilities, and continued discussion on handling of Gob piles.

Following introductions and site history, AML asked the group if all parties agree to proceed with the funding. Foth responded that the Landfill Committee would be able to provide a yes or no answer after the committee meeting scheduled on April 12, 2023. GFL and WM representatives elected to defer until after the Committee's decision.

Pending the group's decision, AML provided an estimated timeline for the project, up to the beginning of construction. Foth's understanding of schedule is summarized below:

- Apr 14, 2023: Landfill stakeholders provide yes/no stance on project
- Jul 1, 2023: AML procurement/funding has been authorized
- Aug 1, 2023: Construction Plans and Specifications begin
- Nov 1, 2023: Project is advertised for bids
- Jan 1, 2024: Contract in place for construction
- Apr 1, 2024: Construction begins

Major topics of conversation regarding the project included wetlands, borrow material, and utilities. AML committed to fund a portion of wetlands development, prorated on the area disturbed by dam construction vs. the total disturbed referenced in the mitigation permit related to Landfill No. 3 construction. Upon further discussion, AML is open to fund a larger portion of wetlands if GFL supplies fill material and authorization from AML/IDNR management. GFL will be submitting a timeline extension request to USACE regarding the wetland mitigation soon to incorporate project schedule plus some buffer to allow for development of Landfill No. 3 to begin May 2023. Currently, once wetland for Landfill No. 3 area is disturbed, GFL has 12 months to have mitigation wetland constructed and established. By extending this 12 month to 24 or 30 months, it allows time for the dam and wetland project to be completed by AML.

Utilities pose a risk to the project as minimal coordination with Ameren has taken place. Based on current design, the existing 69kV powerline will be relocated to the West to allow for excavation under existing poles and shifting of the entrance roadway. Coordination is needed with all utilities servicing existing facilities soon to avoid schedule delays. Further, we discussed operations during dam and wetland construction and that full closure of the road would not be beneficial to all parties. Hanson, who has been retained directly by AML to complete construction design and inspection, had previously created a phasing plan while under contract with GFL that would minimize Landfill No. 2 daily operations and maintain two-way traffic to the scale house.

Handling and disposal of Gob piles conversation was resumed. AML has not previously disposed of Gob at a landfill and the need to build roads for trucks will increase disturbance footprint and costs. Disposing of Gob at the landfill was discussed and additional information on material is needed to evaluate any acceptance criteria. AML's preference is to reclaim in place by excavating a small depression, place the Gob below grade, and then cover with excavated soil. AML will be providing additional information on potential environmental impacts on burying Gob and any limitations on this material being placed in landfills. This is their standard operation when restoring areas.

FINANCIAL IMPACT: N/A

REVENUE & EXPENSE BUDGET VS ACTUAL

FOR YEARS ENDING DECEMBER 31, 2022 & 2023

DESCRIPTION	JANUARY			FEBRUARY			MARCH			APRIL		
	2022 Actual	2022 Budget	2023 Actual	2022 Actual	2022 Budget	2023 Actual	2022 Actual	2022 Budget	2023 Actual	2022 Actual	2022 Budget	2023 Actual
REVENUES												
Host Fees	\$ 38,683.18	\$ 37,771.25	\$ 31,130.61	\$ 26,431.15	\$ 37,771.25	\$ 31,542.80	\$ 22,840.33	\$ 37,771.25	\$ 28,823.05	\$ 41,915.95	\$ 37,771.25	
Leases	\$ -	\$ 1,783.33	\$ 1,062.54	\$ 1,041.71	\$ 1,783.33	\$ 1,062.54	\$ 2,083.42	\$ 1,783.33	\$ 4,971.56	\$ -	\$ 1,783.33	
Interest Earned - On Cash Balance	\$ 58.39	\$ 250.00	\$ 1,195.40	\$ 56.81	\$ 250.00	\$ 866.07	\$ 68.87	\$ 250.00		\$ 96.84	\$ 250.00	
TOTAL REVENUES	\$ 38,741.57	\$ 39,804.58	\$ 33,388.55	\$ 27,529.67	\$ 39,804.58	\$ 33,471.41	\$ 24,992.62	\$ 39,804.58	\$ 33,794.61	\$ 42,012.79	\$ 39,804.58	\$ -
EXPENSES												
Municipal Reimbursements												
City Personnel	\$ -	\$ 6,333.33	\$ 6,333.33	\$ -	\$ 6,333.33	\$ 6,333.33	\$ -	\$ 6,333.33	\$ -	\$ -	\$ 6,333.33	
County Personnel	\$ -	\$ 708.33	\$ -	\$ -	\$ 708.33	\$ -	\$ -	\$ 708.33	\$ -	\$ -	\$ 708.33	
City Audit	\$ -	\$ 208.33	\$ -	\$ -	\$ 208.33	\$ -	\$ -	\$ 208.33	\$ -	\$ -	\$ 208.33	
Consultant Guidance and Operational Costs												
General Guidance & Compliance (Clean Air Act Permit Rpt)	\$ -	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	\$ 19,185.31	\$ -	\$ 10,000.00	\$ 8,873.19	\$ 34,069.33	\$ 10,000.00	
Groundwater Support/Reporting	\$ -	\$ 2,500.00	\$ -	\$ -	\$ 2,500.00	\$ 7,921.01	\$ -	\$ 2,500.00	\$ 3,954.45	\$ 7,989.32	\$ 2,500.00	
LF#1 Gas System & Leache Management Ops.	\$ -	\$ 11,250.00	\$ -	\$ -	\$ 11,250.00	\$ 9,815.01	\$ -	\$ 11,250.00	\$ 9,164.07	\$ 53,983.73	\$ 11,250.00	
IEPA Coordination / Reporting	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,256.61	\$ -	
LF#1 Construction Engineering	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
LF #2 to LF #3 Transition Activities	\$ -	\$ 1,666.67	\$ -	\$ -	\$ 1,666.67	\$ 5,058.33	\$ -	\$ 1,666.67	\$ 3,135.94	\$ 2,898.42	\$ 1,666.67	
Solar Development	\$ -	\$ 2,916.67	\$ -		\$ 2,916.67	\$ -	\$ -	\$ 2,916.67	\$ -	\$ -	\$ 2,916.67	
Contracted/Capital Improvements												
Post Closure Care	\$ -	\$ 208.33	\$ -	\$ -	\$ 208.33	\$ -	\$ -	\$ 208.33	\$ -	\$ -	\$ 208.33	
Leachate Extraction Improvements	\$ -	\$ 208.33	\$ -	\$ -	\$ 208.33	\$ -	\$ -	\$ 208.33	\$ -	\$ -	\$ 208.33	
GCCS Improvement Projects	\$ -	\$ 208.33	\$ -	\$ -	\$ 208.33	\$ -	\$ -	\$ 208.33	\$ -	\$ -	\$ 208.33	
Remediation Capital Project - \$150,000 budget	\$ -	\$ -	\$ -	\$ 38,360.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Committee's Operational Expenses												
Off-Site Liquids Disposal(Transport & Leachate Treatment	\$ -	\$ 833.33	\$ -	\$ -	\$ 833.33	\$ -	\$ 902.62	\$ 833.33	\$ 867.70	\$ 1,778.92	\$ 833.33	
Telephone	\$ -	\$ 33.33	\$ -	\$ 36.03	\$ 33.33	\$ 36.01	\$ 36.01	\$ 33.33	\$ 36.03	\$ 36.01	\$ 33.33	
Electricity	\$ 362.84	\$ 500.00	\$ -	\$ 385.50	\$ 500.00	\$ 655.93	\$ 424.91	\$ 500.00	\$ 533.17	\$ 355.74	\$ 500.00	
Unplanned/Contingency												
Groundwater Assessments/Contingency	\$ -	\$ 416.67	\$ -	\$ -	\$ 416.67	\$ -	\$ -	\$ 416.67	\$ -	\$ -	\$ 416.67	
GCCS Contingency	\$ -	\$ 208.33	\$ -	\$ -	\$ 208.33	\$ -	\$ -	\$ 208.33	\$ -	\$ -	\$ 208.33	
Unplanned Services and Repairs	\$ -	\$ 833.33	\$ -	\$ 223.50	\$ 833.33	\$ 6,885.55	\$ -	\$ 833.33	\$ 2,189.61	\$ 714.07	\$ 833.33	
TOTAL EXPENSES	\$ 362.84	\$ 39,033.33	\$ 6,333.33	\$ 39,005.03	\$ 39,033.33	\$ 55,890.48	\$ 1,363.54	\$ 39,033.33	\$ 28,754.16	\$ 107,082.15	\$ 39,033.33	\$ -
EXCESS REVENUES OVER EXPENSES	\$ 38,378.73	\$ 771.25	\$ 27,055.22	\$ (11,475.36)	\$ 771.25	\$ (22,419.07)	\$ 23,629.08	\$ 771.25	\$ 5,040.45	\$ (65,069.36)	\$ 771.25	\$ -
BEGINNING FUND BALANCE	\$ 336,531.96		\$ 180,228.39	\$ 374,910.69		\$ 207,283.61	\$ 363,435.33		\$ 184,864.54	\$ 387,064.41		\$ 189,904.99
ENDING FUND BALANCE	\$ 374,910.69		\$ 207,283.61	\$ 363,435.33		\$ 184,864.54	\$ 387,064.41		\$ 189,904.99	\$ 321,995.05		\$ 189,904.99

REVENUE & EXPENSE BUDGET VS ACTUAL

FOR YEARS ENDING DECEMBER 31, 2022 & 2023

DESCRIPTION	MAY			JUNE			JULY			AUGUST		
	2022 Actual	2022 Budget	2023 Actual	2022 Actual	2022 Budget	2023 Actual	2022 Actual	2022 Budget	2023 Actual	2022 Actual	2022 Budget	2023 Actual
REVENUES												
Host Fees	\$ 34,547.93	\$ 37,771.25		\$ 39,825.44	\$ 37,771.25		\$ 42,404.46	\$ 37,771.25		\$ 37,284.75	\$ 37,771.25	
Leases	\$ 2,104.25	\$ 1,783.33		\$ 1,062.54	\$ 1,783.33		\$ 6,042.22	\$ 1,783.33		\$ 150.00	\$ 1,783.33	
Interest Earned - On Cash Balance	\$ 124.05	\$ 250.00		\$ 175.46	\$ 250.00		\$ 308.53	\$ 250.00		\$ 465.63	\$ 250.00	
TOTAL REVENUES	\$ 36,776.23	\$ 39,804.58	\$ -	\$ 41,063.44	\$ 39,804.58	\$ -	\$ 48,755.21	\$ 39,804.58	\$ -	\$ 37,900.38	\$ 39,804.58	\$ -
EXPENSES												
Municipal Reimbursements												
City Personnel	\$ -	\$ 6,333.33		\$ -	\$ 6,333.33		\$ -	\$ 6,333.33		\$ 50,666.67	\$ 6,333.33	
County Personnel	\$ -	\$ 708.33		\$ -	\$ 708.33		\$ -	\$ 708.33		\$ -	\$ 708.33	
City Audit	\$ -	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33	
Consultant Guidance and Operational Costs												
General Guidance & Compliance (Clean Air Act Permit Rpt)	\$ 16,778.74	\$ 10,000.00		\$ 6,394.76	\$ 10,000.00		\$ 9,569.22	\$ 10,000.00		\$ 14,648.28	\$ 10,000.00	
Groundwater Support/Reporting	\$ 4,872.35	\$ 2,500.00		\$ 514.72	\$ 2,500.00		\$ 2,682.04	\$ 2,500.00		\$ 414.01	\$ 2,500.00	
LF#1 Gas System & Leache Management Ops.	\$ 9,145.14	\$ 11,250.00		\$ 7,349.70	\$ 11,250.00		\$ 10,587.53	\$ 11,250.00		\$ 10,879.09	\$ 11,250.00	
IEPA Coordination / Reporting	\$ -	\$ -		\$ -	\$ -		\$ -	\$ -		\$ -	\$ -	
LF#1 Construction Engineering	\$ -	\$ -		\$ -	\$ -		\$ -	\$ -		\$ -	\$ -	
LF #2 to LF #3 Transition Activities	\$ 3,524.66	\$ 1,666.67		\$ 2,097.60	\$ 1,666.67		\$ 1,622.25	\$ 1,666.67		\$ 3,700.79	\$ 1,666.67	
Solar Development	\$ -	\$ 2,916.67		\$ -	\$ 2,916.67		\$ -	\$ 2,916.67		\$ -	\$ 2,916.67	
Contracted/Capital Improvements												
Post Closure Care	\$ -	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33	
Leachate Extraction Improvements	\$ 150,900.90	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33	
GCCS Improvement Projects	\$ -	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33	
Remediation Capital Project - \$150,000 budget	\$ -	\$ -		\$ -	\$ -		\$ -	\$ -		\$ -	\$ -	
Committee's Operational Expenses												
Off-Site Liquids Disposal(Transport & Leachate Treatment	\$ 169.22	\$ 833.33		\$ 1,837.06	\$ 833.33		\$ 131.39	\$ 833.33		\$ 930.62	\$ 833.33	
Telephone	\$ -	\$ 33.33		\$ 72.02	\$ 33.33		\$ 36.01	\$ 33.33		\$ 36.01	\$ 33.33	
Electricity	\$ 390.71	\$ 500.00		\$ 412.52	\$ 500.00		\$ 698.57	\$ 500.00		\$ 662.73	\$ 500.00	
Unplanned/Contingency												
Groundwater Assessments/Contingency	\$ -	\$ 416.67		\$ -	\$ 416.67		\$ -	\$ 416.67		\$ -	\$ 416.67	
GCCS Contingency	\$ -	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33	
Unplanned Services and Repairs	\$ 5,119.10	\$ 833.33		\$ -	\$ 833.33		\$ 492.34	\$ 833.33		\$ 5,127.97	\$ 833.33	
TOTAL EXPENSES	\$ 190,900.82	\$ 39,033.33	\$ -	\$ 18,678.38	\$ 39,033.33	\$ -	\$ 25,819.35	\$ 39,033.33	\$ -	\$ 87,066.17	\$ 39,033.33	\$ -
EXCESS REVENUES OVER EXPENSES	\$ (154,124.59)	\$ 771.25	\$ -	\$ 22,385.06	\$ 771.25	\$ -	\$ 22,935.86	\$ 771.25	\$ -	\$ (49,165.79)	\$ 771.25	\$ -
BEGINNING FUND BALANCE	\$ 321,995.05		\$ 189,904.99	\$ 167,870.46		\$ 189,904.99	\$ 190,255.52		\$ 189,904.99	\$ 213,191.38		\$ 189,904.99
ENDING FUND BALANCE	\$ 167,870.46		\$ 189,904.99	\$ 190,255.52		\$ 189,904.99	\$ 213,191.38		\$ 189,904.99	\$ 164,025.59		\$ 189,904.99

REVENUE & EXPENSE BUDGET VS ACTUAL

FOR YEARS ENDING DECEMBER 31, 2022 & 2023

DESCRIPTION	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	2022 Actual	2022 Budget	2023 Actual	2022 Actual	2022 Budget	2023 Actual	2022 Actual	2022 Budget	2023 Actual	2022 Actual	2022 Budget	2023 Actual
REVENUES												
Host Fees	\$ 48,276.74	\$ 37,771.25		\$ 41,887.25	\$ 37,771.25		\$ 40,926.28	\$ 37,771.25		\$ 37,270.01	\$ 37,771.25	
Leases	\$ -	\$ 1,783.33		\$ 7,953.74	\$ 1,783.33		\$ 1,062.54	\$ 1,783.33		\$ 2,125.08	\$ 1,783.33	
Interest Earned - On Cash Balance	\$ 615.72	\$ 250.00		\$ 615.41	\$ 250.00		\$ 906.94	\$ 250.00		\$ 1,013.51	\$ 250.00	
TOTAL REVENUES	\$ 48,892.46	\$ 39,804.58	\$ -	\$ 50,456.40	\$ 39,804.58	\$ -	\$ 42,895.76	\$ 39,804.58	\$ -	\$ 40,408.60	\$ 39,804.58	\$ -
EXPENSES												
Municipal Reimbursements												
City Personnel	\$ 6,333.33	\$ 6,333.33		\$ 6,333.33	\$ 6,333.33		\$ 6,333.33	\$ 6,333.33		\$ 6,333.34	\$ 6,333.33	
County Personnel	\$ -	\$ 708.33		\$ -	\$ 708.33		\$ -	\$ 708.33		\$ 8,500.00	\$ 708.33	
City Audit	\$ -	\$ 208.33		\$ -	\$ 208.33		\$ 2,500.00	\$ 208.33		\$ -	\$ 208.33	
Consultant Guidance and Operational Costs												
General Guidance & Compliance (Clean Air Act Permit Rpt)	\$ 7,834.09	\$ 10,000.00		\$ 3,922.80	\$ 10,000.00		\$ 6,192.98	\$ 10,000.00		\$ 19,412.56	\$ 10,000.00	
Groundwater Support/Reporting	\$ 2,185.38	\$ 2,500.00		\$ 1,522.10	\$ 2,500.00		\$ 278.10	\$ 2,500.00		\$ 3,688.12	\$ 2,500.00	
LF#1 Gas System & Leache Management Ops.	\$ 8,502.17	\$ 11,250.00		\$ 7,400.38	\$ 11,250.00		\$ 6,513.47	\$ 11,250.00		\$ 12,459.91	\$ 11,250.00	
IEPA Coordination / Reporting	\$ 2,906.15	\$ -		\$ 459.81	\$ -		\$ -	\$ -		\$ 3,050.86	\$ -	
LF#1 Construction Engineering	\$ -	\$ -		\$ -	\$ -		\$ -	\$ -		\$ -	\$ -	
LF #2 to LF #3 Transition Activities	\$ 5,809.20	\$ 1,666.67		\$ 4,803.41	\$ 1,666.67		\$ 1,410.07	\$ 1,666.67		\$ 8,796.20	\$ 1,666.67	
Solar Development	\$ -	\$ 2,916.67		\$ -	\$ 2,916.67		\$ -	\$ 2,916.67		\$ -	\$ 2,916.67	
Contracted/Capital Improvements												
Post Closure Care	\$ -	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33	
Leachate Extraction Improvements	\$ -	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33	
GCCS Improvement Projects	\$ -	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33	
Remediation Capital Project - \$150,000 budget	\$ -	\$ -		\$ -	\$ -		\$ -	\$ -		\$ -	\$ -	
Committee's Operational Expenses												
Off-Site Liquids Disposal(Transport & Leachate Treatment	\$ 80.57	\$ 833.33		\$ 1,596.03	\$ 833.33		\$ -	\$ 833.33		\$ 2,304.61	\$ 833.33	
Telephone	\$ 36.03	\$ 33.33		\$ 36.01	\$ 33.33		\$ 36.01	\$ 33.33		\$ 72.02	\$ 33.33	
Electricity	\$ 711.99	\$ 500.00		\$ -	\$ 500.00		\$ 802.50	\$ 500.00		\$ 1,312.70	\$ 500.00	
Unplanned/Contingency												
Groundwater Assessments/Contingency	\$ -	\$ 416.67		\$ -	\$ 416.67		\$ -	\$ 416.67		\$ -	\$ 416.67	
GCCS Contingency	\$ -	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33		\$ -	\$ 208.33	
Unplanned Services and Repairs	\$ 9,831.76	\$ 833.33		\$ 3,429.90	\$ 833.33		\$ 2,101.20	\$ 833.33		\$ 618.00	\$ 833.33	
TOTAL EXPENSES	\$ 44,230.67	\$ 39,033.33	\$ -	\$ 29,503.77	\$ 39,033.33	\$ -	\$ 26,167.66	\$ 39,033.33	\$ -	\$ 66,548.32	\$ 39,033.33	\$ -
EXCESS REVENUES OVER EXPENSES	\$ 4,661.79	\$ 771.25	\$ -	\$ 20,952.63	\$ 771.25	\$ -	\$ 16,728.10	\$ 771.25	\$ -	\$ (26,139.72)	\$ 771.25	\$ -
BEGINNING FUND BALANCE	\$ 164,025.59		\$ 189,904.99	\$ 168,687.38		\$ 189,904.99	\$ 189,640.01		\$ 189,904.99	\$ 206,368.11		\$ 189,904.99
ENDING FUND BALANCE	\$ 168,687.38		\$ 189,904.99	\$ 189,640.01		\$ 189,904.99	\$ 206,368.11		\$ 189,904.99	\$ 180,228.39		\$ 189,904.99

FOR YEARS ENDING DECEMBER 31, 2022 & 2023

DESCRIPTION	FY2022	FY2023	FY2023
	ACTUAL	BUDGET	YTD ACTUAL
REVENUES			
Host Fees	\$ 452,293.47	\$ 453,255.00	\$ 91,496.46
Leases	\$ 23,625.50	\$ 21,400.00	\$ 7,096.64
Interest Earned - On Cash Balance	\$ 4,506.16	\$ 3,000.00	\$ 2,061.47
TOTAL REVENUES	\$ 480,425.13	\$ 477,655.00	\$ 100,654.57
EXPENSES			
Municipal Reimbursements			
City Personnel	\$ 76,000.00	\$ 76,000.00	\$ 12,666.66
County Personnel	\$ 8,500.00	\$ 8,500.00	\$ -
City Audit	\$ 2,500.00	\$ 2,500.00	\$ -
Consultant Guidance and Operational Costs			
General Guidance & Compliance (Clean Air Act Permit Rpt)	\$ 118,822.76	\$ 120,000.00	\$ 28,058.50
Groundwater Support/Reporting	\$ 24,146.14	\$ 30,000.00	\$ 11,875.46
LF#1 Gas System & Leache Management Ops.	\$ 126,821.12	\$ 135,000.00	\$ 18,979.08
IEPA Coordination / Reporting	\$ 11,673.43	\$ -	\$ -
LF#1 Construction Engineering	\$ -	\$ -	\$ -
LF #2 to LF #3 Transition Activities	\$ 34,662.60	\$ 20,000.00	\$ 8,194.27
Solar Development	\$ -	\$ 35,000.00	\$ -
Contracted/Capital Improvements			
Post Closure Care	\$ -	\$ 2,500.00	\$ -
Leachate Extraction Improvements	\$ 150,900.90	\$ 2,500.00	\$ -
GCCS Improvement Projects	\$ -	\$ 2,500.00	\$ -
Remediation Capital Project - \$150,000 budget	\$ 38,360.00	\$ -	\$ -
Committee's Operational Expenses			
Off-Site Liquids Disposal(Transport & Leachate Treatment	\$ 9,731.04	\$ 10,000.00	\$ 867.70
Telephone	\$ 432.16	\$ 400.00	\$ 72.04
Electricity	\$ 6,520.71	\$ 6,000.00	\$ 1,189.10
Unplanned/Contingency			
Groundwater Assessments/Contingency	\$ -	\$ 5,000.00	\$ -
GCCS Contingency	\$ -	\$ 2,500.00	\$ -
Unplanned Services and Repairs	\$ 27,657.84	\$ 10,000.00	\$ 9,075.16
TOTAL EXPENSES	\$ 636,728.70	\$ 468,400.00	\$ 90,977.97
EXCESS REVENUES OVER EXPENSES	\$ (156,303.57)	\$ 9,255.00	\$ 9,676.60
BEGINNING FUND BALANCE	\$ 336,531.96		\$ 180,228.39
ENDING FUND BALANCE	\$ 180,228.39		\$ 189,904.99
	Reserves - Operation Expenditures	\$	117,100.00
	Reserves - Capital Expenditures	\$	50,000.00
	Reserves - Self Perpetual Care	\$	22,804.99

**Peoria City/County Landfill
Cash Flow Statement - Cash Basis
March 2023**

Beginning Balance January 31, 2022 \$207,394.10

Plus Deposits:

2/6/2023	Waste Management - Host Fee	\$31,542.80
2/28/2023	Interest	\$866.07
3/6/2023	SBA Steel	\$1,062.54
3/16/2023	Waste Management - Host Fee	\$28,823.05
3/28/2023	Lawrence Schmitt	\$1,289.00
3/28/2023	Steven Harernberg	\$232.81
3/28/2023	Jerry Wyatt	\$1,324.90
3/28/2023	SBA Steel	\$1,062.54
3/31/2023	Interest - not posted yet	

\$66,203.71

Less Electronic Debits & A/P Checks

2/10/2023	GPSD	\$74.48
2/24/2023	Verizon	\$72.02
2/24/2023	Ameren	\$655.93
2/28/2023	City of Peoria Admin Fees	\$6,333.33
3/3/2023	Foth Infrastructure	\$48,865.21
3/10/2023	Verizon	\$36.03
3/17/2023	Foth Infrastructure	\$27,317.26
3/24/2023	Ameren	\$533.17
3/31/2023	GFL	\$867.70
3/31/2023	City of Peoria Admin Fees - not posted yet	

\$84,755.13

Ending Cash Balance March 31, 2023

\$188,842.68

Peoria City/County Landfill No. 2
Waste Management of Illinois, Inc.
Monthly Activity Report
Mar-23

Tonnage:	General Refuse	Current Month			Landfill #2 Year to Date	Landfill #2 Year to Date
					2023	2022
	Haulers	13,475.64			34,732.08	30,916.68
	County Res. Free Loads	321.17			759.53	471.25
	County Res. \$5 Loads	0.00			0.00	0.57
	Roadside	31.28			64.88	54.68
	T O T A L	13,828.09			35,556.49	31,443.18
	Special Wastes					
	Industrial (Declassified)	91.63			786.41	3,108.48
	Industrial (Exempt)	0.00			0.00	0.00
	T O T A L	91.63			786.41	3,108.48
	TOTAL LANDFILL RECEIPTS	<u>13,919.72</u>			<u>36,342.90</u>	<u>34,551.66</u>
	Yard Waste Receipts					
	City Contract -	0.00			0.00	0.00
	All Other	0.00			0.00	0.00
	T O T A L	<u>0.00</u>			<u>0.00</u>	<u>0.00</u>
Payments:	Payable to City/County Committee					
	General Refuse	Tons 13,475.64				
		Rate \$ 2.75				
		<u>\$37,058.01</u>	\$37,058.01		\$95,513.22	82,856.70
	Special Waste - Ind.	Tons 91.63				
		Rate \$ 2.75				
		<u>\$251.98</u>	\$251.98		\$2,162.63	8,330.73
	T O T A L	<u>\$37,309.99</u>			<u>\$97,675.85</u>	<u>\$91,187.43</u>
	Payable to County					
	General Refuse	Tons 13,475.64				
		Rate \$ 1.27				
		<u>\$17,114.06</u>	\$17,114.06		\$44,109.74	39,264.18
	Special Waste - Ind.	Tons 91.63				
		Rate \$ 1.27				
		<u>\$116.37</u>	\$116.37		\$998.74	3,947.77
	T O T A L	<u>\$17,230.43</u>			<u>\$45,108.48</u>	<u>\$43,211.95</u>
	Payable to/Receivable From County					
	\$5 Loads	Loads 1.00				
		Rate \$ 5.00				
		<u>\$5.00</u>	\$5.00		\$30.00	35.00
	Less:					
	State Fee on Free and \$5 Loads	Tons 321.17				
		Rate \$ 2.22				
		<u>(\$713.00)</u>	(\$713.00)		(\$1,686.16)	(1,047.44)
	T O T A L	<u>(\$708.00)</u>			<u>(\$1,656.16)</u>	<u>(\$1,012.44)</u>
Tonnage:	General Refuse & Special Waste					
	In county	8,095.22	58.16%		20,657.13	20,958.09
	Out of county	5,824.50	41.84%		15,685.77	13,593.57
	Mixed	-	0.00%		-	-
	T O T A L	<u>13,919.72</u>	100.00%		<u>36,342.90</u>	<u>34,551.66</u>



REQUEST FOR DISCUSSION

To: Peoria City/County Landfill Committee Members

From: Christopher Peters & Ian Johnson, Waste Management

AGENDA DATE REQUESTED: April 12, 2023

ACTION REQUESTED: Receive and File Monthly Reports and **obtain required signatures as outlined below.**

BACKGROUND: Attached is the monthly activity report through **March 2023.**

1. All weekly random load checks were completed and documented with no issues to report.
2. To allow sufficient time to respond to short-term submittal requirements that may arise prior to the next Landfill Committee meeting, we respectfully request authorization for the Committee chairperson to sign such documents, subject to review and approval in advance by Foth.

FINANCIAL IMPACT: NA

APPENDIX A

Lab data Profile 635087IL

February 23, 2023

Matt Stockert
Environmental Operations, Inc.
7733 Forsyth Boulevard, Suite 1600
Clayton, MO 63105
TEL: (314) 480-4633
FAX: (314) 436-2900



Illinois	100226
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: IDOT 68F38 / 23210

WorkOrder: 23020750

Dear Matt Stockert:

TEKLAB, INC received 5 samples on 2/10/2023 14:13:00 for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Aaron Renner
Project Manager
(630)324-6855
arenner@teklabinc.com

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	5
Accreditations	6
Laboratory Results	7
Quality Control Results	17
Receiving Check List	57
Chain of Custody	Appended

Client: Environmental Operations, Inc.**Work Order:** 23020750**Client Project:** IDOT 68F38 / 23210**Report Date:** 23-Feb-23**Abbr Definition**

* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

Qualifiers

- | | |
|---|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| C - RL shown is a Client Requested Quantitation Limit | E - Value above quantitation range |
| H - Holding times exceeded | I - Associated internal standard was outside method criteria |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | T - TIC(Tentatively identified compound) |
| X - Value exceeds Maximum Contaminant Level | |



Case Narrative

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

Cooler Receipt Temp: 5.6 °C

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425

Phone (618) 344-1004

Fax (618) 344-1005

Email EHurley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415

Phone (217) 698-1004

Fax (217) 698-1005

Email KKlostermann@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515

Phone (630) 324-6855

Fax

Email arenner@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214

Phone (913) 541-1998

Fax (913) 541-1998

Email jhriley@teklabinc.com

Client: Environmental Operations, Inc.**Work Order:** 23020750**Client Project:** IDOT 68F38 / 23210**Report Date:** 23-Feb-23

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2024	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2023	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2023	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2023	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2023	Collinsville
Arkansas	ADEQ	88-0966		3/14/2023	Collinsville
Illinois	IDPH	17584		5/31/2023	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2024	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

Lab ID: 23020750-001

Client Sample ID: SS-68F38-1

Matrix: SOLID

Collection Date: 02/10/2023 09:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
ASTM D92								
Ignitability, Open Cup	*	60		>200	°F	1	02/17/2023 08:35	R324903
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		4.6	%	1	02/10/2023 18:36	R324675
SW-846 9045C								
pH (1:1)	NELAP	1.00		8.38		1	02/16/2023 14:48	R324901
SW-846 9095								
Paint Filter	NELAP	0		Pass	Pass/Fail	1	02/17/2023 11:32	R324930
SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP								
Arsenic	NELAP	0.250		< 0.250	mg/L	1	02/17/2023 17:30	202978
Barium	NELAP	0.450		0.450	mg/L	1	02/17/2023 17:30	202978
Cadmium	NELAP	0.0200		< 0.0200	mg/L	1	02/17/2023 17:30	202978
Chromium	NELAP	0.100		< 0.100	mg/L	1	02/17/2023 17:30	202978
Lead	NELAP	0.400		< 0.400	mg/L	1	02/17/2023 17:30	202978
Selenium	NELAP	0.500		< 0.500	mg/L	1	02/17/2023 17:30	202978
Silver	NELAP	0.0700		< 0.0700	mg/L	1	02/17/2023 17:30	202978
SW-846 1311, 7470A IN TCLP EXTRACT								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/16/2023 12:15	202958
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS								
2,4,5-Trichlorophenol	NELAP	0.100		ND	mg/L	1	02/21/2023 17:07	203138
2,4,6-Trichlorophenol	NELAP	0.100		ND	mg/L	1	02/21/2023 17:07	203138
2,4-Dinitrotoluene	NELAP	0.100		ND	mg/L	1	02/21/2023 17:07	203138
Cresols, Total	NELAP	0.200		ND	mg/L	1	02/21/2023 17:07	203138
Hexachlorobenzene	NELAP	0.100		ND	mg/L	1	02/21/2023 17:07	203138
Hexachlorobutadiene	NELAP	0.100		ND	mg/L	1	02/21/2023 17:07	203138
Hexachloroethane	NELAP	0.100		ND	mg/L	1	02/21/2023 17:07	203138
m,p-Cresol	NELAP	0.100		ND	mg/L	1	02/21/2023 17:07	203138
Nitrobenzene	NELAP	0.100		ND	mg/L	1	02/21/2023 17:07	203138
o-Cresol	NELAP	0.100		ND	mg/L	1	02/21/2023 17:07	203138
Pentachlorophenol	NELAP	0.200		ND	mg/L	1	02/21/2023 17:07	203138
Pyridine	NELAP	0.200		ND	mg/L	1	02/21/2023 17:07	203138
Surr: 2,4,6-Tribromophenol	*	50.5-124		80.2	%REC	1	02/21/2023 17:07	203138
Surr: 2-Fluorobiphenyl	*	44.3-104		80.7	%REC	1	02/21/2023 17:07	203138
Surr: 2-Fluorophenol	*	30.2-83.3		49.6	%REC	1	02/21/2023 17:07	203138
Surr: Nitrobenzene-d5	*	34-108		76.9	%REC	1	02/21/2023 17:07	203138
Surr: Phenol-d5	*	23.2-62.1		40.5	%REC	1	02/21/2023 17:07	203138
Surr: p-Terphenyl-d14	*	38.5-117		67.0	%REC	1	02/21/2023 17:07	203138
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	38.6		ND	µg/Kg-dry	1	02/16/2023 00:01	202844
Aroclor 1221	NELAP	38.6		ND	µg/Kg-dry	1	02/16/2023 00:01	202844
Aroclor 1232	NELAP	38.6		ND	µg/Kg-dry	1	02/16/2023 00:01	202844
Aroclor 1242	NELAP	38.6		ND	µg/Kg-dry	1	02/16/2023 00:01	202844
Aroclor 1248	NELAP	38.6		ND	µg/Kg-dry	1	02/16/2023 00:01	202844
Aroclor 1254	NELAP	38.6		ND	µg/Kg-dry	1	02/16/2023 00:01	202844
Aroclor 1260	NELAP	38.6		ND	µg/Kg-dry	1	02/16/2023 00:01	202844
Surr: Decachlorobiphenyl	*	40.2-131		117.6	%REC	1	02/16/2023 00:01	202844

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

Lab ID: 23020750-001

Client Sample ID: SS-68F38-1

Matrix: SOLID

Collection Date: 02/10/2023 09:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Surr: Tetrachloro-meta-xylene	*	39-122		99.5	%REC	1	02/16/2023 00:01	202844
SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS								
1,1-Dichloroethene	NELAP	0.200		ND	mg/L	100	02/16/2023 17:53	203012
1,2-Dichloroethane	NELAP	0.200		ND	mg/L	100	02/16/2023 17:53	203012
1,4-Dichlorobenzene	NELAP	0.200		ND	mg/L	100	02/16/2023 17:53	203012
2-Butanone	NELAP	1.00		ND	mg/L	100	02/16/2023 17:53	203012
Benzene	NELAP	0.050		ND	mg/L	100	02/16/2023 17:53	203012
Carbon tetrachloride	NELAP	0.200		ND	mg/L	100	02/16/2023 17:53	203012
Chlorobenzene	NELAP	0.200		ND	mg/L	100	02/16/2023 17:53	203012
Chloroform	NELAP	0.200		ND	mg/L	100	02/16/2023 17:53	203012
Tetrachloroethene	NELAP	0.050		ND	mg/L	100	02/16/2023 17:53	203012
Trichloroethene	NELAP	0.200		ND	mg/L	100	02/16/2023 17:53	203012
Vinyl chloride	NELAP	0.200		ND	mg/L	100	02/16/2023 17:53	203012
Surr: 1,2-Dichloroethane-d4	*	80-120		100.1	%REC	100	02/16/2023 17:53	203012
Surr: 4-Bromofluorobenzene	*	80-120		99.6	%REC	100	02/16/2023 17:53	203012
Surr: Dibromofluoromethane	*	80-120		98.7	%REC	100	02/16/2023 17:53	203012
Surr: Toluene-d8	*	80-120		98.9	%REC	100	02/16/2023 17:53	203012

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

Lab ID: 23020750-002

Client Sample ID: SS-68F38-2

Matrix: SOLID

Collection Date: 02/10/2023 09:51

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
ASTM D92								
Ignitability, Open Cup	*	60		>200	°F	1	02/17/2023 08:42	R324903
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		15.5	%	1	02/10/2023 18:37	R324675
SW-846 9045C								
pH (1:1)	NELAP	1.00		7.86		1	02/16/2023 14:53	R324901
SW-846 9095								
Paint Filter	NELAP	0		Pass	Pass/Fail	1	02/17/2023 11:37	R324930
SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP								
Arsenic	NELAP	0.250		< 0.250	mg/L	1	02/15/2023 17:32	202943
Barium	NELAP	0.450		0.778	mg/L	1	02/15/2023 17:32	202943
Cadmium	NELAP	0.0200		< 0.0200	mg/L	1	02/15/2023 17:32	202943
Chromium	NELAP	0.100		< 0.100	mg/L	1	02/15/2023 17:32	202943
Lead	NELAP	0.400		< 0.400	mg/L	1	02/15/2023 17:32	202943
Selenium	NELAP	0.500		< 0.500	mg/L	1	02/15/2023 17:32	202943
Silver	NELAP	0.0700		< 0.0700	mg/L	1	02/15/2023 17:32	202943
SW-846 1311, 7470A IN TCLP EXTRACT								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/15/2023 15:26	202942
SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS								
2,4,5-Trichlorophenol	NELAP	0.100		ND	mg/L	1	02/21/2023 17:41	203138
2,4,6-Trichlorophenol	NELAP	0.100		ND	mg/L	1	02/21/2023 17:41	203138
2,4-Dinitrotoluene	NELAP	0.100		ND	mg/L	1	02/21/2023 17:41	203138
Cresols, Total	NELAP	0.200		ND	mg/L	1	02/21/2023 17:41	203138
Hexachlorobenzene	NELAP	0.100		ND	mg/L	1	02/21/2023 17:41	203138
Hexachlorobutadiene	NELAP	0.100		ND	mg/L	1	02/21/2023 17:41	203138
Hexachloroethane	NELAP	0.100		ND	mg/L	1	02/21/2023 17:41	203138
m,p-Cresol	NELAP	0.100		ND	mg/L	1	02/21/2023 17:41	203138
Nitrobenzene	NELAP	0.100		ND	mg/L	1	02/21/2023 17:41	203138
o-Cresol	NELAP	0.100		ND	mg/L	1	02/21/2023 17:41	203138
Pentachlorophenol	NELAP	0.200		ND	mg/L	1	02/21/2023 17:41	203138
Pyridine	NELAP	0.200		ND	mg/L	1	02/21/2023 17:41	203138
Surr: 2,4,6-Tribromophenol	*	50.5-124		81.2	%REC	1	02/21/2023 17:41	203138
Surr: 2-Fluorobiphenyl	*	44.3-104		78.7	%REC	1	02/21/2023 17:41	203138
Surr: 2-Fluorophenol	*	30.2-83.3		52.9	%REC	1	02/21/2023 17:41	203138
Surr: Nitrobenzene-d5	*	34-108		72.3	%REC	1	02/21/2023 17:41	203138
Surr: Phenol-d5	*	23.2-62.1		43.0	%REC	1	02/21/2023 17:41	203138
Surr: p-Terphenyl-d14	*	38.5-117		65.3	%REC	1	02/21/2023 17:41	203138
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	45.5		ND	µg/Kg-dry	1	02/16/2023 00:16	202880
Aroclor 1221	NELAP	45.5		ND	µg/Kg-dry	1	02/16/2023 00:16	202880
Aroclor 1232	NELAP	45.5		ND	µg/Kg-dry	1	02/16/2023 00:16	202880
Aroclor 1242	NELAP	45.5		ND	µg/Kg-dry	1	02/16/2023 00:16	202880
Aroclor 1248	NELAP	45.5		ND	µg/Kg-dry	1	02/16/2023 00:16	202880
Aroclor 1254	NELAP	45.5		ND	µg/Kg-dry	1	02/16/2023 00:16	202880
Aroclor 1260	NELAP	45.5		ND	µg/Kg-dry	1	02/16/2023 00:16	202880
Surr: Decachlorobiphenyl	*	40.2-131		97.7	%REC	1	02/16/2023 00:16	202880
Surr: Tetrachloro-meta-xylene	*	39-122		86.6	%REC	1	02/16/2023 00:16	202880

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

Lab ID: 23020750-002

Client Sample ID: SS-68F38-2

Matrix: SOLID

Collection Date: 02/10/2023 09:51

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS								
1,1-Dichloroethene	NELAP	0.200		ND	mg/L	100	02/16/2023 18:16	203012
1,2-Dichloroethane	NELAP	0.200		ND	mg/L	100	02/16/2023 18:16	203012
1,4-Dichlorobenzene	NELAP	0.200		ND	mg/L	100	02/16/2023 18:16	203012
2-Butanone	NELAP	1.00		ND	mg/L	100	02/16/2023 18:16	203012
Benzene	NELAP	0.050		ND	mg/L	100	02/16/2023 18:16	203012
Carbon tetrachloride	NELAP	0.200		ND	mg/L	100	02/16/2023 18:16	203012
Chlorobenzene	NELAP	0.200		ND	mg/L	100	02/16/2023 18:16	203012
Chloroform	NELAP	0.200		ND	mg/L	100	02/16/2023 18:16	203012
Tetrachloroethene	NELAP	0.050		ND	mg/L	100	02/16/2023 18:16	203012
Trichloroethene	NELAP	0.200		ND	mg/L	100	02/16/2023 18:16	203012
Vinyl chloride	NELAP	0.200		ND	mg/L	100	02/16/2023 18:16	203012
Surr: 1,2-Dichloroethane-d4	*	80-120		99.3	%REC	100	02/16/2023 18:16	203012
Surr: 4-Bromofluorobenzene	*	80-120		101.0	%REC	100	02/16/2023 18:16	203012
Surr: Dibromofluoromethane	*	80-120		98.2	%REC	100	02/16/2023 18:16	203012
Surr: Toluene-d8	*	80-120		100.4	%REC	100	02/16/2023 18:16	203012

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

Lab ID: 23020750-003

Client Sample ID: SS-68F38-3

Matrix: SOLID

Collection Date: 02/10/2023 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
ASTM D92								
Ignitability, Open Cup	*	60		>200	°F	1	02/17/2023 08:58	R324903
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		32.7	%	1	02/10/2023 18:37	R324675
SW-846 9045C								
pH (1:1)	NELAP	1.00		8.67		1	02/16/2023 14:55	R324901
SW-846 9095								
Paint Filter	NELAP	0		Pass	Pass/Fail	1	02/17/2023 11:41	R324930
SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP								
Arsenic	NELAP	0.250		< 0.250	mg/L	1	02/17/2023 10:11	203013
Barium	NELAP	0.450		0.633	mg/L	1	02/17/2023 10:11	203013
Cadmium	NELAP	0.0200		< 0.0200	mg/L	1	02/17/2023 10:11	203013
Chromium	NELAP	0.100		< 0.100	mg/L	1	02/17/2023 10:11	203013
Lead	NELAP	0.400		< 0.400	mg/L	1	02/17/2023 10:11	203013
Selenium	NELAP	0.500		< 0.500	mg/L	1	02/17/2023 10:11	203013
Silver	NELAP	0.0700		< 0.0700	mg/L	1	02/17/2023 10:11	203013
SW-846 1311, 7470A IN TCLP EXTRACT								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/16/2023 18:14	203015
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS								
2,4,5-Trichlorophenol	NELAP	0.010		ND	mg/L	1	02/22/2023 13:07	203138
2,4,6-Trichlorophenol	NELAP	0.010		ND	mg/L	1	02/22/2023 13:07	203138
2,4-Dinitrotoluene	NELAP	0.010		ND	mg/L	1	02/22/2023 13:07	203138
Cresols, Total	NELAP	0.020		ND	mg/L	1	02/22/2023 13:07	203138
Hexachlorobenzene	NELAP	0.010		ND	mg/L	1	02/22/2023 13:07	203138
Hexachlorobutadiene	NELAP	0.010		ND	mg/L	1	02/22/2023 13:07	203138
Hexachloroethane	NELAP	0.010		ND	mg/L	1	02/22/2023 13:07	203138
m,p-Cresol	NELAP	0.010		ND	mg/L	1	02/22/2023 13:07	203138
Nitrobenzene	NELAP	0.010		ND	mg/L	1	02/22/2023 13:07	203138
o-Cresol	NELAP	0.010		ND	mg/L	1	02/22/2023 13:07	203138
Pentachlorophenol	NELAP	0.020		ND	mg/L	1	02/22/2023 13:07	203138
Pyridine	NELAP	0.020		ND	mg/L	1	02/22/2023 13:07	203138
Surr: 2,4,6-Tribromophenol	*	50.5-124		88.4	%REC	1	02/22/2023 13:07	203138
Surr: 2-Fluorobiphenyl	*	44.3-104		78.7	%REC	1	02/22/2023 13:07	203138
Surr: 2-Fluorophenol	*	30.2-83.3		59.3	%REC	1	02/22/2023 13:07	203138
Surr: Nitrobenzene-d5	*	34-108		66.5	%REC	1	02/22/2023 13:07	203138
Surr: Phenol-d5	*	23.2-62.1		44.1	%REC	1	02/22/2023 13:07	203138
Surr: p-Terphenyl-d14	*	38.5-117		80.6	%REC	1	02/22/2023 13:07	203138
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	55.4		ND	µg/Kg-dry	1	02/16/2023 00:31	202880
Aroclor 1221	NELAP	55.4		ND	µg/Kg-dry	1	02/16/2023 00:31	202880
Aroclor 1232	NELAP	55.4		ND	µg/Kg-dry	1	02/16/2023 00:31	202880
Aroclor 1242	NELAP	55.4		ND	µg/Kg-dry	1	02/16/2023 00:31	202880
Aroclor 1248	NELAP	55.4		ND	µg/Kg-dry	1	02/16/2023 00:31	202880
Aroclor 1254	NELAP	55.4		ND	µg/Kg-dry	1	02/16/2023 00:31	202880
Aroclor 1260	NELAP	55.4		ND	µg/Kg-dry	1	02/16/2023 00:31	202880
Surr: Decachlorobiphenyl	*	40.2-131		76.0	%REC	1	02/16/2023 00:31	202880

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

Lab ID: 23020750-003

Client Sample ID: SS-68F38-3

Matrix: SOLID

Collection Date: 02/10/2023 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Surr: Tetrachloro-meta-xylene	*	39-122		73.2	%REC	1	02/16/2023 00:31	202880
SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS								
1,1-Dichloroethene	NELAP	0.200		ND	mg/L	100	02/16/2023 18:40	203012
1,2-Dichloroethane	NELAP	0.200		ND	mg/L	100	02/16/2023 18:40	203012
1,4-Dichlorobenzene	NELAP	0.200		ND	mg/L	100	02/16/2023 18:40	203012
2-Butanone	NELAP	1.00		ND	mg/L	100	02/16/2023 18:40	203012
Benzene	NELAP	0.050		ND	mg/L	100	02/16/2023 18:40	203012
Carbon tetrachloride	NELAP	0.200		ND	mg/L	100	02/16/2023 18:40	203012
Chlorobenzene	NELAP	0.200		ND	mg/L	100	02/16/2023 18:40	203012
Chloroform	NELAP	0.200		ND	mg/L	100	02/16/2023 18:40	203012
Tetrachloroethene	NELAP	0.050		ND	mg/L	100	02/16/2023 18:40	203012
Trichloroethene	NELAP	0.200		ND	mg/L	100	02/16/2023 18:40	203012
Vinyl chloride	NELAP	0.200		ND	mg/L	100	02/16/2023 18:40	203012
Surr: 1,2-Dichloroethane-d4	*	80-120		100.2	%REC	100	02/16/2023 18:40	203012
Surr: 4-Bromofluorobenzene	*	80-120		100.1	%REC	100	02/16/2023 18:40	203012
Surr: Dibromofluoromethane	*	80-120		100.0	%REC	100	02/16/2023 18:40	203012
Surr: Toluene-d8	*	80-120		98.7	%REC	100	02/16/2023 18:40	203012

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

Lab ID: 23020750-004

Client Sample ID: SS-68F38-4

Matrix: SOLID

Collection Date: 02/10/2023 10:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
ASTM D92								
Ignitability, Open Cup	*	60		>200	°F	1	02/17/2023 09:14	R324903
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		18.0	%	1	02/10/2023 18:38	R324675
SW-846 9045C								
pH (1:1)	NELAP	1.00		8.75		1	02/16/2023 14:57	R324901
SW-846 9095								
Paint Filter	NELAP	0		Pass	Pass/Fail	1	02/17/2023 11:46	R324930
SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP								
Arsenic	NELAP	0.250		< 0.250	mg/L	1	02/17/2023 10:30	203013
Barium	NELAP	0.450		1.04	mg/L	1	02/17/2023 10:30	203013
Cadmium	NELAP	0.0200		< 0.0200	mg/L	1	02/17/2023 10:30	203013
Chromium	NELAP	0.100		< 0.100	mg/L	1	02/17/2023 10:30	203013
Lead	NELAP	0.400		< 0.400	mg/L	1	02/17/2023 10:30	203013
Selenium	NELAP	0.500		< 0.500	mg/L	1	02/17/2023 10:30	203013
Silver	NELAP	0.0700		< 0.0700	mg/L	1	02/17/2023 10:30	203013
SW-846 1311, 7470A IN TCLP EXTRACT								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/16/2023 18:17	203015
LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.								
SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS								
2,4,5-Trichlorophenol	NELAP	0.100		ND	mg/L	1	02/22/2023 16:56	203184
2,4,6-Trichlorophenol	NELAP	0.100		ND	mg/L	1	02/22/2023 16:56	203184
2,4-Dinitrotoluene	NELAP	0.100		ND	mg/L	1	02/22/2023 16:56	203184
Cresols, Total	NELAP	0.200		ND	mg/L	1	02/22/2023 16:56	203184
Hexachlorobenzene	NELAP	0.100		ND	mg/L	1	02/22/2023 16:56	203184
Hexachlorobutadiene	NELAP	0.100		ND	mg/L	1	02/22/2023 16:56	203184
Hexachloroethane	NELAP	0.100		ND	mg/L	1	02/22/2023 16:56	203184
m,p-Cresol	NELAP	0.100		ND	mg/L	1	02/22/2023 16:56	203184
Nitrobenzene	NELAP	0.100		ND	mg/L	1	02/22/2023 16:56	203184
o-Cresol	NELAP	0.100		ND	mg/L	1	02/22/2023 16:56	203184
Pentachlorophenol	NELAP	0.200		ND	mg/L	1	02/22/2023 16:56	203184
Pyridine	NELAP	0.200		ND	mg/L	1	02/22/2023 16:56	203184
Surr: 2,4,6-Tribromophenol	*	50.5-124		75.5	%REC	1	02/22/2023 16:56	203184
Surr: 2-Fluorobiphenyl	*	44.3-104		64.1	%REC	1	02/22/2023 16:56	203184
Surr: 2-Fluorophenol	*	30.2-83.3		55.2	%REC	1	02/22/2023 16:56	203184
Surr: Nitrobenzene-d5	*	34-108		55.7	%REC	1	02/22/2023 16:56	203184
Surr: Phenol-d5	*	23.2-62.1		43.4	%REC	1	02/22/2023 16:56	203184
Surr: p-Terphenyl-d14	*	38.5-117		71.0	%REC	1	02/22/2023 16:56	203184
Allowable Marginal Exceedance of o-Cresol in the laboratory control sample is verified per the TNI Standard.								
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	43.0		ND	µg/Kg-dry	1	02/16/2023 00:47	202880
Aroclor 1221	NELAP	43.0		ND	µg/Kg-dry	1	02/16/2023 00:47	202880
Aroclor 1232	NELAP	43.0		ND	µg/Kg-dry	1	02/16/2023 00:47	202880
Aroclor 1242	NELAP	43.0		ND	µg/Kg-dry	1	02/16/2023 00:47	202880
Aroclor 1248	NELAP	43.0		ND	µg/Kg-dry	1	02/16/2023 00:47	202880
Aroclor 1254	NELAP	43.0		ND	µg/Kg-dry	1	02/16/2023 00:47	202880
Aroclor 1260	NELAP	43.0		ND	µg/Kg-dry	1	02/16/2023 00:47	202880

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

Lab ID: 23020750-004

Client Sample ID: SS-68F38-4

Matrix: SOLID

Collection Date: 02/10/2023 10:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Surr: Decachlorobiphenyl	*	40.2-131		88.1	%REC	1	02/16/2023 00:47	202880
Surr: Tetrachloro-meta-xylene	*	39-122		84.7	%REC	1	02/16/2023 00:47	202880
SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS								
1,1-Dichloroethene	NELAP	0.200		ND	mg/L	100	02/17/2023 12:11	203053
1,2-Dichloroethane	NELAP	0.200		ND	mg/L	100	02/17/2023 12:11	203053
1,4-Dichlorobenzene	NELAP	0.200		ND	mg/L	100	02/17/2023 12:11	203053
2-Butanone	NELAP	1.00		ND	mg/L	100	02/17/2023 12:11	203053
Benzene	NELAP	0.050		ND	mg/L	100	02/17/2023 12:11	203053
Carbon tetrachloride	NELAP	0.200		ND	mg/L	100	02/17/2023 12:11	203053
Chlorobenzene	NELAP	0.200		ND	mg/L	100	02/17/2023 12:11	203053
Chloroform	NELAP	0.200		ND	mg/L	100	02/17/2023 12:11	203053
Tetrachloroethene	NELAP	0.050		ND	mg/L	100	02/17/2023 12:11	203053
Trichloroethene	NELAP	0.200		ND	mg/L	100	02/17/2023 12:11	203053
Vinyl chloride	NELAP	0.200		ND	mg/L	100	02/17/2023 12:11	203053
Surr: 1,2-Dichloroethane-d4	*	80-120		100.9	%REC	100	02/17/2023 12:11	203053
Surr: 4-Bromofluorobenzene	*	80-120		99.9	%REC	100	02/17/2023 12:11	203053
Surr: Dibromofluoromethane	*	80-120		100.0	%REC	100	02/17/2023 12:11	203053
Surr: Toluene-d8	*	80-120		97.7	%REC	100	02/17/2023 12:11	203053

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

Lab ID: 23020750-005

Client Sample ID: SS-68F38-5

Matrix: SOLID

Collection Date: 02/10/2023 11:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
ASTM D92								
Ignitability, Open Cup	*	60		>200	°F	1	02/17/2023 09:21	R324903
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		14.7	%	1	02/10/2023 18:38	R324675
SW-846 9045C								
pH (1:1)	NELAP	1.00		8.35		1	02/16/2023 15:00	R324901
SW-846 9095								
Paint Filter	NELAP	0		Pass	Pass/Fail	1	02/17/2023 11:49	R324930
SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP								
Arsenic	NELAP	0.250		< 0.250	mg/L	1	02/17/2023 10:31	203013
Barium	NELAP	0.450		0.714	mg/L	1	02/17/2023 10:31	203013
Cadmium	NELAP	0.0200		< 0.0200	mg/L	1	02/17/2023 10:31	203013
Chromium	NELAP	0.100		< 0.100	mg/L	1	02/17/2023 10:31	203013
Lead	NELAP	0.400		< 0.400	mg/L	1	02/17/2023 10:31	203013
Selenium	NELAP	0.500		< 0.500	mg/L	1	02/17/2023 10:31	203013
Silver	NELAP	0.0700		< 0.0700	mg/L	1	02/17/2023 10:31	203013
SW-846 1311, 7470A IN TCLP EXTRACT								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	02/16/2023 18:28	203015
<i>LCS recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable per the TNI Standard.</i>								
SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS								
2,4,5-Trichlorophenol	NELAP	0.100		ND	mg/L	1	02/22/2023 18:11	203184
2,4,6-Trichlorophenol	NELAP	0.100		ND	mg/L	1	02/22/2023 18:11	203184
2,4-Dinitrotoluene	NELAP	0.100		ND	mg/L	1	02/22/2023 18:11	203184
Cresols, Total	NELAP	0.200		ND	mg/L	1	02/22/2023 18:11	203184
Hexachlorobenzene	NELAP	0.100		ND	mg/L	1	02/22/2023 18:11	203184
Hexachlorobutadiene	NELAP	0.100		ND	mg/L	1	02/22/2023 18:11	203184
Hexachloroethane	NELAP	0.100		ND	mg/L	1	02/22/2023 18:11	203184
m,p-Cresol	NELAP	0.100		ND	mg/L	1	02/22/2023 18:11	203184
Nitrobenzene	NELAP	0.100		ND	mg/L	1	02/22/2023 18:11	203184
o-Cresol	NELAP	0.100		ND	mg/L	1	02/22/2023 18:11	203184
Pentachlorophenol	NELAP	0.200		ND	mg/L	1	02/22/2023 18:11	203184
Pyridine	NELAP	0.200		ND	mg/L	1	02/22/2023 18:11	203184
Surr: 2,4,6-Tribromophenol	*	50.5-124		92.3	%REC	1	02/22/2023 18:11	203184
Surr: 2-Fluorobiphenyl	*	44.3-104		78.4	%REC	1	02/22/2023 18:11	203184
Surr: 2-Fluorophenol	*	30.2-83.3		60.6	%REC	1	02/22/2023 18:11	203184
Surr: Nitrobenzene-d5	*	34-108		67.6	%REC	1	02/22/2023 18:11	203184
Surr: Phenol-d5	*	23.2-62.1		45.2	%REC	1	02/22/2023 18:11	203184
Surr: p-Terphenyl-d14	*	38.5-117		73.6	%REC	1	02/22/2023 18:11	203184
<i>Allowable Marginal Exceedance of o-Cresol in the laboratory control sample is verified per the TNI Standard.</i>								
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	43.3		ND	µg/Kg-dry	1	02/16/2023 01:02	202880
Aroclor 1221	NELAP	43.3		ND	µg/Kg-dry	1	02/16/2023 01:02	202880
Aroclor 1232	NELAP	43.3		ND	µg/Kg-dry	1	02/16/2023 01:02	202880
Aroclor 1242	NELAP	43.3		ND	µg/Kg-dry	1	02/16/2023 01:02	202880
Aroclor 1248	NELAP	43.3		ND	µg/Kg-dry	1	02/16/2023 01:02	202880
Aroclor 1254	NELAP	43.3		ND	µg/Kg-dry	1	02/16/2023 01:02	202880
Aroclor 1260	NELAP	43.3		ND	µg/Kg-dry	1	02/16/2023 01:02	202880

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

Lab ID: 23020750-005

Client Sample ID: SS-68F38-5

Matrix: SOLID

Collection Date: 02/10/2023 11:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Surr: Decachlorobiphenyl	*	40.2-131		85.1	%REC	1	02/16/2023 01:02	202880
Surr: Tetrachloro-meta-xylene	*	39-122		78.8	%REC	1	02/16/2023 01:02	202880
SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS								
1,1-Dichloroethene	NELAP	0.200		ND	mg/L	100	02/17/2023 12:36	203053
1,2-Dichloroethane	NELAP	0.200		ND	mg/L	100	02/17/2023 12:36	203053
1,4-Dichlorobenzene	NELAP	0.200		ND	mg/L	100	02/17/2023 12:36	203053
2-Butanone	NELAP	1.00		ND	mg/L	100	02/17/2023 12:36	203053
Benzene	NELAP	0.050		ND	mg/L	100	02/17/2023 12:36	203053
Carbon tetrachloride	NELAP	0.200		ND	mg/L	100	02/17/2023 12:36	203053
Chlorobenzene	NELAP	0.200		ND	mg/L	100	02/17/2023 12:36	203053
Chloroform	NELAP	0.200		ND	mg/L	100	02/17/2023 12:36	203053
Tetrachloroethene	NELAP	0.050		ND	mg/L	100	02/17/2023 12:36	203053
Trichloroethene	NELAP	0.200		ND	mg/L	100	02/17/2023 12:36	203053
Vinyl chloride	NELAP	0.200		ND	mg/L	100	02/17/2023 12:36	203053
Surr: 1,2-Dichloroethane-d4	*	80-120		103.8	%REC	100	02/17/2023 12:36	203053
Surr: 4-Bromofluorobenzene	*	80-120		100.7	%REC	100	02/17/2023 12:36	203053
Surr: Dibromofluoromethane	*	80-120		100.5	%REC	100	02/17/2023 12:36	203053
Surr: Toluene-d8	*	80-120		97.1	%REC	100	02/17/2023 12:36	203053



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

ASTM D92

Batch R324903		SampType: LCS		Units °F							
SampID: LCS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Ignitability, Open Cup		*	60		82	81.00	0	101.2	97	103	
											02/17/2023

Batch R324903		SampType: DUP		Units °F				RPD Limit 5				Date Analyzed
SampID: 23020665-003BDUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Ignitability, Open Cup		*	60		>200				0	0.00	02/16/2023	

Batch R324903		SampType: DUP		Units °F				RPD Limit 5				Date Analyzed
SampID: 23020666-002BDUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Ignitability, Open Cup		*	60		>200				0	0.00	02/16/2023	

Batch R324903		SampType: DUP		Units °F				RPD Limit 5				Date Analyzed
SampID: 23020807-001ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Ignitability, Open Cup		*	60		174				170.0	2.33	02/17/2023	

EPA SW846 3550B, 5035A, ASTM D2974

Batch R324675		SampType: LCS		Units %							
SampID: LCS											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Percent Moisture		*	0.1		99.0	99.00	0	100.0	90	110	02/10/2023

Batch R324675		SampType: LCSQC		Units %							
SampID: LCSQC											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Percent Moisture		*	0.1		99.0	99.00	0	100.0	90	110	02/10/2023

SW-846 9045C

Batch R324901		SampType: LCS		Units							
SampID: LCS-R324901											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
pH (1:1)		1.00		6.99	7.000	0	99.9	99.1	100.8	02/16/2023	



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 9045C

Batch R324901		SampType: DUP		Units				RPD Limit 10			
SampID: 23020750-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
pH (1:1)		1.00		8.60				8.380	2.59	02/16/2023	

Batch R324901		SampType: DUP		Units				RPD Limit 10			
SampID: 23020750-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		7.86				7.860	0.00	02/16/2023

Batch R324901		SampType: DUP		Units				RPD Limit 10			
SampID: 23020750-003ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		8.78				8.670	1.26	02/16/2023

Batch R324901		SampType: DUP		Units				RPD Limit 10			
SampID: 23020750-004ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		8.62				8.750	1.50	02/16/2023

Batch R324901		SampType: DUP		Units				RPD Limit 10			
SampID: 23020750-005ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		8.24				8.350	1.33	02/16/2023

Batch R324901		SampType: DUP		Units				RPD Limit 10			
SampID: 23020655-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		6.51				6.500	0.15	02/16/2023

Batch R324901		SampType: DUP		Units				RPD Limit 10			
SampID: 23020667-002BDUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
pH (1:1)		1.00		7.96				7.940	0.25	02/16/2023	

Batch R324901		SampType: DUP		Units				RPD Limit 10			
SampID: 23020681-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		8.80				8.710	1.03	02/16/2023



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 9045C

Batch R324901		SampType: DUP		Units				RPD Limit 10			
SampID: 23020681-002ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
pH (1:1)		1.00		7.99				8.000	0.13	02/16/2023	

Batch R324901		SampType: DUP		Units				RPD Limit 10			
SampID: 23020681-003ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
pH (1:1)		1.00		7.94				8.010	0.88	02/16/2023	

Batch R324901		SampType: DUP		Units				RPD Limit 10			
SampID: 23020681-004ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		8.81				9.020	2.36	02/16/2023

Batch R324901		SampType: DUP		Units				RPD Limit 10			
SampID: 23020681-005ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		7.95				8.180	2.85	02/16/2023

Batch R324901		SampType: DUP		Units				RPD Limit 10			Date Analyzed
SampID: 23020757-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
pH (1:1)			1.00		7.60				7.560	0.53	02/16/2023

Batch R324901		SampType: DUP		Units				RPD Limit 10			
SampID: 23020807-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
pH (1:1)		1.00		6.56				6.240	5.00	02/16/2023	

Batch R324901		SampType: DUP		Units				RPD Limit 10			
SampID: 23020851-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		10.9				10.78	0.92	02/16/2023

Batch R324901		SampType: DUP		Units				RPD Limit 10			
SampID: 23020901-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
pH (1:1)		1.00		7.75				7.470	3.68	02/16/2023	



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 9095

Batch R324930		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 23020750-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Paint Filter		0		Pass				0	0.00	02/17/2023	

Batch R324930		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 23020750-002ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Paint Filter		0		Pass				0	0.00	02/17/2023	

Batch R324930		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 23020750-003ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Paint Filter			0		Pass				0	0.00	02/17/2023

Batch R324930		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 23020750-004ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Paint Filter			0		Pass				0	0.00	02/17/2023

Batch R324930		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 23020750-005ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Paint Filter		0		Pass				0	0.00	02/17/2023	

Batch R324930		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 23020720-003ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Paint Filter			0		Pass				0	0.00	02/17/2023

Batch R324930		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 23021101-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Paint Filter		0		Pass				0	0.00	02/17/2023	



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP

Batch 202943		SampType: MBLK		Units mg/L							
SampID: MBLK-202943											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		0.250		< 0.250	0.0870	0	0	-100	100	02/15/2023	
Barium		0.450		< 0.450	0.1500	0	0	-100	100	02/15/2023	
Cadmium		0.0200		< 0.0200	0.0050	0	0	-100	100	02/15/2023	
Chromium		0.100		< 0.100	0.0340	0	0	-100	100	02/15/2023	
Lead		0.400		< 0.400	0.0400	0	0	-100	100	02/15/2023	
Selenium		0.500		< 0.500	0.1700	0	0	-100	100	02/15/2023	
Silver		0.0700		< 0.0700	0.0270	0	0	-100	100	02/15/2023	

Batch 202943		SampType: LCS		Units mg/L						
SampID: LCS-202943										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.250		5.39	5.000	0	107.8	85	115	02/15/2023
Barium		0.450		20.4	20.00	0	102.0	85	115	02/15/2023
Cadmium		0.0200		0.513	0.5000	0	102.6	85	115	02/15/2023
Chromium		0.100		2.04	2.000	0	101.9	85	115	02/15/2023
Lead		0.400		5.12	5.000	0	102.3	85	115	02/15/2023
Selenium		0.500		5.20	5.000	0	104.0	85	115	02/15/2023
Silver		0.0700		0.511	0.5000	0	102.2	85	115	02/15/2023

Batch 202943		SampType: MS		Units mg/L							
SampID: 23020750-002AMS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Arsenic			0.250		5.41	5.000	0	108.1	75	125	02/15/2023
Barium			0.450		20.9	20.00	0.7780	100.6	75	125	02/15/2023
Cadmium			0.0200		0.522	0.5000	0.01000	102.4	75	125	02/15/2023
Chromium			0.100		2.02	2.000	0	101.0	75	125	02/15/2023
Lead			0.400		5.04	5.000	0	100.8	75	125	02/15/2023
Selenium			0.500		5.16	5.000	0	103.3	75	125	02/15/2023
Silver			0.0700		0.511	0.5000	0	102.2	75	125	02/15/2023

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP

Batch 202943		SampType: MSD		Units mg/L				RPD Limit 20		
SampleID: 23020750-002AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.250		5.37	5.000	0	107.4	5.405	0.67	02/15/2023
Barium		0.450		21.0	20.00	0.7780	101.1	20.90	0.48	02/15/2023
Cadmium		0.0200		0.525	0.5000	0.01000	103.0	0.5220	0.57	02/15/2023
Chromium		0.100		2.04	2.000	0	101.8	2.021	0.79	02/15/2023
Lead		0.400		5.09	5.000	0	101.7	5.039	0.93	02/15/2023
Selenium		0.500		5.08	5.000	0	101.6	5.163	1.58	02/15/2023
Silver		0.0700		0.513	0.5000	0	102.6	0.5110	0.39	02/15/2023

Batch 202943		SampType: MS		Units mg/L						
SampleID: 23020838-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.250		5.36	5.000	0	107.3	75	125	02/15/2023
Barium		0.450		20.5	20.00	0.5700	99.7	75	125	02/15/2023
Cadmium		0.0200		0.504	0.5000	0	100.8	75	125	02/15/2023
Chromium		0.100		2.02	2.000	0	100.9	75	125	02/15/2023
Lead		0.400		5.09	5.000	0.04400	101.0	75	125	02/15/2023
Selenium		0.500		5.09	5.000	0	101.7	75	125	02/15/2023
Silver		0.0700		0.509	0.5000	0	101.8	75	125	02/15/2023

Batch 202978		SampType: MBLK		Units mg/L						
SampleID: MBLK-202978										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.250		< 0.250	0.0870	0	0	-100	100	02/17/2023
Barium		0.450		< 0.450	0.1500	0	0	-100	100	02/17/2023
Cadmium		0.0200		< 0.0200	0.0050	0	0	-100	100	02/17/2023
Chromium		0.100		< 0.100	0.0340	0	0	-100	100	02/17/2023
Lead		0.400		< 0.400	0.0400	0	0	-100	100	02/17/2023
Selenium		0.500		< 0.500	0.1700	0	0	-100	100	02/17/2023
Silver		0.0700		< 0.0700	0.0270	0	0	-100	100	02/17/2023

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP

Batch 202978		SampType: LCS		Units mg/L						
SampID: LCS-202978										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.250		5.22	5.000	0	104.5	85	115	02/17/2023
Barium		0.450		19.8	20.00	0	98.8	85	115	02/17/2023
Cadmium		0.0200		0.502	0.5000	0	100.4	85	115	02/17/2023
Chromium		0.100		1.97	2.000	0	98.4	85	115	02/17/2023
Lead		0.400		5.08	5.000	0	101.5	85	115	02/17/2023
Selenium		0.500		5.13	5.000	0	102.6	85	115	02/17/2023
Silver		0.0700		0.496	0.5000	0	99.2	85	115	02/17/2023

Batch 202978		SampType: MS		Units mg/L							
SampID: 23020681-005AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		0.250		5.50	5.000	0	110.0	75	125	02/17/2023	
Barium		0.450		22.2	20.00	1.276	104.7	75	125	02/17/2023	
Cadmium		0.0200		0.530	0.5000	0	106.0	75	125	02/17/2023	
Chromium		0.100		2.09	2.000	0	104.4	75	125	02/17/2023	
Lead		0.400		5.36	5.000	0	107.2	75	125	02/17/2023	
Selenium		0.500		5.37	5.000	0	107.4	75	125	02/17/2023	
Silver		0.0700		0.527	0.5000	0	105.4	75	125	02/17/2023	

Batch 202978		SampType: MSD		Units mg/L					RPD Limit 20		Date Analyzed
SampID: 23020681-005AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Arsenic		0.250		5.57	5.000	0	111.3	5.499	1.23	02/17/2023	
Barium		0.450		22.2	20.00	1.276	104.7	22.21	0.00	02/17/2023	
Cadmium		0.0200		0.532	0.5000	0	106.4	0.5300	0.38	02/17/2023	
Chromium		0.100		2.08	2.000	0	104.2	2.089	0.19	02/17/2023	
Lead		0.400		5.37	5.000	0	107.5	5.361	0.22	02/17/2023	
Selenium		0.500		5.36	5.000	0	107.1	5.371	0.30	02/17/2023	
Silver		0.0700		0.531	0.5000	0	106.2	0.5270	0.76	02/17/2023	



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP

Batch 202978		SampType: MS		Units mg/L						
SampID: 23020700-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.250		5.57	5.000	0	111.4	75	125	02/17/2023
Barium		0.450		21.5	20.00	0.3470	105.8	75	125	02/17/2023
Cadmium		0.0200		0.538	0.5000	0	107.6	75	125	02/17/2023
Chromium		0.100		2.12	2.000	0	105.9	75	125	02/17/2023
Lead		0.400		5.98	5.000	0.5240	109.1	75	125	02/17/2023
Selenium		0.500		5.46	5.000	0	109.2	75	125	02/17/2023
Silver		0.0700		0.536	0.5000	0	107.2	75	125	02/17/2023

Batch 202978		SampType: MSD		Units mg/L				RPD Limit 20		Date Analyzed
SampID: 23020700-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Arsenic		0.250		5.59	5.000	0	111.8	5.569	0.38	02/17/2023
Barium		0.450		21.6	20.00	0.3470	106.2	21.50	0.37	02/17/2023
Cadmium		0.0200		0.540	0.5000	0	108.0	0.5380	0.37	02/17/2023
Chromium		0.100		2.13	2.000	0	106.6	2.118	0.61	02/17/2023
Lead		0.400		6.00	5.000	0.5240	109.5	5.978	0.35	02/17/2023
Selenium		0.500		5.43	5.000	0	108.6	5.462	0.55	02/17/2023
Silver		0.0700		0.535	0.5000	0	107.0	0.5360	0.19	02/17/2023

Batch 202978		SampType: MS		Units mg/L							
SampID: 23020720-001AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		0.250		5.45	5.000	0	109.1	75	125	02/17/2023	
Barium		0.450		23.3	20.00	2.513	103.7	75	125	02/17/2023	
Cadmium		0.0200		0.531	0.5000	0	106.2	75	125	02/17/2023	
Chromium		0.100		2.17	2.000	0.06900	105.2	75	125	02/17/2023	
Lead		0.400		12.1	5.000	7.012	101.0	75	125	02/17/2023	
Selenium		0.500		5.36	5.000	0	107.1	75	125	02/17/2023	
Silver		0.0700		0.530	0.5000	0	106.0	75	125	02/17/2023	



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP

Batch 202978		SampType: MS		Units mg/L						
SampleID: 23020720-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.250		5.57	5.000	0	111.4	75	125	02/17/2023
Barium		0.450		22.1	20.00	0.9040	105.9	75	125	02/17/2023
Cadmium		0.0200		0.537	0.5000	0	107.4	75	125	02/17/2023
Chromium		0.100		2.75	2.000	0.6120	106.9	75	125	02/17/2023
Lead		0.400		5.50	5.000	0.04600	109.1	75	125	02/17/2023
Selenium		0.500		5.41	5.000	0	108.2	75	125	02/17/2023
Silver		0.0700		0.537	0.5000	0	107.4	75	125	02/17/2023

Batch 202978		SampType: MS		Units mg/L							
SampleID: 23020743-001AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		0.250		5.55	5.000	0	111.0	75	125	02/17/2023	
Barium		0.450		21.5	20.00	0.3870	105.7	75	125	02/17/2023	
Cadmium		0.0200		0.536	0.5000	0	107.2	75	125	02/17/2023	
Chromium		0.100		2.12	2.000	0	106.0	75	125	02/17/2023	
Lead		0.400		5.46	5.000	0	109.2	75	125	02/17/2023	
Selenium		0.500		5.37	5.000	0	107.4	75	125	02/17/2023	
Silver		0.0700		0.538	0.5000	0	107.6	75	125	02/17/2023	

Batch 202978		SampType: MS		Units mg/L							
SampleID: 23020744-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Lead		0.400		5.46	5.000	0	109.2	75	125	02/17/2023	

Batch 202978		SampType: MS		Units mg/L							
SampID: 23020750-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic		0.250		5.52	5.000	0	110.4	75	125	02/17/2023	
Barium		0.450		21.4	20.00	0.4500	104.8	75	125	02/17/2023	
Cadmium		0.0200		0.546	0.5000	0.01700	105.8	75	125	02/17/2023	
Chromium		0.100		2.10	2.000	0	104.8	75	125	02/17/2023	
Lead		0.400		5.40	5.000	0	107.9	75	125	02/17/2023	
Selenium		0.500		5.39	5.000	0	107.9	75	125	02/17/2023	
Silver		0.0700		0.531	0.5000	0	106.2	75	125	02/17/2023	

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP

Batch 203013		SampType: MBLK		Units mg/L							
SampID: MBLK-203013											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		0.250		< 0.250	0.0870	0	0	-100	100	02/17/2023	
Barium		0.450		< 0.450	0.1500	0	0	-100	100	02/17/2023	
Cadmium		0.0200		< 0.0200	0.0050	0	0	-100	100	02/17/2023	
Chromium		0.100		< 0.100	0.0340	0	0	-100	100	02/17/2023	
Lead		0.400		< 0.400	0.0400	0	0	-100	100	02/17/2023	
Selenium		0.500		< 0.500	0.1700	0	0	-100	100	02/17/2023	
Silver		0.0700		< 0.0700	0.0270	0	0	-100	100	02/17/2023	

Batch 203013		SampType: LCS		Units mg/L							
SampID: LCS-203013											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		0.250		5.56	5.000	0	111.2	85	115	02/17/2023	
Barium		0.450		21.3	20.00	0	106.5	85	115	02/17/2023	
Cadmium		0.0200		0.527	0.5000	0	105.4	85	115	02/17/2023	
Chromium		0.100		2.12	2.000	0	105.9	85	115	02/17/2023	
Lead		0.400		5.23	5.000	0	104.6	85	115	02/17/2023	
Selenium		0.500		5.11	5.000	0	102.2	85	115	02/17/2023	
Silver		0.0700		0.538	0.5000	0	107.6	85	115	02/17/2023	

Batch 203013		SampType: MS		Units mg/L						
SampID: 23020720-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.250		5.50	5.000	0	110.0	75	125	02/17/2023
Barium		0.450		23.5	20.00	2.547	104.8	75	125	02/17/2023
Cadmium		0.0200		0.518	0.5000	0	103.6	75	125	02/17/2023
Chromium		0.100		2.10	2.000	0	104.9	75	125	02/17/2023
Lead		0.400		5.25	5.000	0	105.0	75	125	02/17/2023
Selenium		0.500		5.08	5.000	0	101.7	75	125	02/17/2023
Silver		0.0700		0.538	0.5000	0	107.6	75	125	02/17/2023

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP

Batch 203013		SampType: MS		Units mg/L							
SampID: 23020750-005AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		0.250		5.55	5.000	0	111.0	75	125		
Barium		0.450		21.4	20.00	0.7140	103.4	75	125		
Cadmium		0.0200		0.505	0.5000	0	101.0	75	125		
Chromium		0.100		2.12	2.000	0	106.2	75	125		
Lead		0.400		5.25	5.000	0	105.0	75	125		
Selenium		0.500		5.19	5.000	0	103.8	75	125		
Silver		0.0700		0.536	0.5000	0	107.2	75	125		

Batch 203013		SampType: MSD		Units mg/L				RPD Limit 20		
SampID: 23020750-005AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.250		5.54	5.000	0	110.8	5.549	0.13	02/17/2023
Barium		0.450		21.5	20.00	0.7140	103.9	21.40	0.47	02/17/2023
Cadmium		0.0200		0.505	0.5000	0	101.0	0.5050	0.00	02/17/2023
Chromium		0.100		2.11	2.000	0	105.6	2.125	0.57	02/17/2023
Lead		0.400		5.17	5.000	0	103.4	5.250	1.57	02/17/2023
Selenium		0.500		5.18	5.000	0	103.7	5.192	0.13	02/17/2023
Silver		0.0700		0.539	0.5000	0	107.8	0.5360	0.56	02/17/2023

Batch 203013		SampType: MS		Units mg/L							
SampID: 23021024-001AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Arsenic		0.250		5.46	5.000	0	109.1	75	125		
Barium		0.450		20.5	20.00	0	102.5	75	125		
Cadmium		0.0200		0.501	0.5000	0	100.2	75	125		
Chromium		0.100		2.07	2.000	0	103.6	75	125		
Lead		0.400		5.10	5.000	0	102.0	75	125		
Selenium		0.500		5.18	5.000	0	103.6	75	125		
Silver		0.0700		0.536	0.5000	0	107.2	75	125		

SW-846 1311, 7470A IN TCLP EXTRACT

Batch 202942		SampType: MBLK		Units mg/L							
SampID: MBLK-202942											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	02/15/2023	



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 7470A IN TCLP EXTRACT

Batch 202942 SampType: LCS Units mg/L

SampID: LCS-202942

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00571	0.0050	0	114.2	85	115	02/15/2023

Batch 202942 SampType: MS Units mg/L

SampID: 23020750-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00564	0.0050	0	112.8	75	125	02/15/2023

Batch 202942 SampType: MSD Units mg/L

SampID: 23020750-002AMSD

RPD Limit 15

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00568	0.0050	0	113.6	0.005638	0.78	02/15/2023

Batch 202942 SampType: MS Units mg/L

SampID: 23020838-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00587	0.0050	0	117.3	75	125	02/15/2023

Batch 202958 SampType: MBLK Units mg/L

SampID: MBLK-202958

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	02/16/2023

Batch 202958 SampType: LCS Units mg/L

SampID: LCS-202958

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020	S	0.00575	0.0050	0	115.1	85	115	02/16/2023

Batch 202958 SampType: MS Units mg/L

SampID: 23020681-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00578	0.0050	0	115.6	75	125	02/16/2023

Batch 202958 SampType: MSD Units mg/L

SampID: 23020681-002AMSD

RPD Limit 15

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00562	0.0050	0	112.4	0.005782	2.88	02/16/2023



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 7470A IN TCLP EXTRACT

Batch 202958 SampType: MS Units mg/L

SampID: 23020720-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00580	0.0050	0	116.0	75	125	02/16/2023

Batch 202958 SampType: MS Units mg/L

SampID: 23020720-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00572	0.0050	0	114.5	75	125	02/16/2023

Batch 202958 SampType: MS Units mg/L

SampID: 23020743-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00583	0.0050	0	116.6	75	125	02/16/2023

Batch 202958 SampType: MS Units mg/L

SampID: 23020750-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00577	0.0050	0	115.4	75	125	02/16/2023

Batch 203015 SampType: MBLK Units mg/L

SampID: MBLK-203015

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	02/16/2023

Batch 203015 SampType: LCS Units mg/L

SampID: LCS-203015

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020	S	0.00645	0.0050	0	128.9	85	115	02/16/2023

Batch 203015 SampType: MS Units mg/L

SampID: 23020720-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00436	0.0050	0	87.3	75	125	02/16/2023

Batch 203015 SampType: MS Units mg/L

SampID: 23020750-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00608	0.0050	0	121.7	75	125	02/16/2023



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 7470A IN TCLP EXTRACT

Batch 203015		SampType: MSD		Units mg/L				RPD Limit 15			
SampID: 23020750-004AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Mercury		0.00020		0.00605	0.0050	0	120.9	0.006084	0.64	02/16/2023	

Batch 203015		SampType: MS		Units mg/L							
SampID: 23021024-001AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Mercury		0.00020		0.00616	0.0050	0	123.2	75	125	02/16/2023	

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch	203138	SampType:	MBLK	Units mg/L								Date Analyzed
SampID:	MBLK-203138											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
2,4,5-Trichlorophenol			0.010		ND						02/21/2023	
2,4,6-Trichlorophenol			0.010		ND						02/21/2023	
2,4-Dinitrotoluene			0.010		ND						02/21/2023	
Hexachlorobenzene			0.010		ND						02/21/2023	
Hexachlorobutadiene			0.010		ND						02/21/2023	
Hexachloroethane			0.010		ND						02/21/2023	
m,p-Cresol			0.010		ND						02/21/2023	
Nitrobenzene			0.010		ND						02/21/2023	
o-Cresol			0.010		ND						02/21/2023	
Pentachlorophenol			0.020		ND						02/21/2023	
Pyridine			0.020		ND						02/21/2023	
Surr: 2,4,6-Tribromophenol	*				0.037	0.0500		74.2	61.1	111	02/21/2023	
Surr: 2-Fluorobiphenyl	*				0.021	0.0250		82.8	54.7	109	02/21/2023	
Surr: 2-Fluorophenol	*				0.027	0.0500		54.3	42.9	83.6	02/21/2023	
Surr: Nitrobenzene-d5	*				0.020	0.0250		79.8	48.4	122	02/21/2023	
Surr: Phenol-d5	*				0.022	0.0500		44.0	32.2	65.4	02/21/2023	
Surr: p-Terphenyl-d14	*				0.020	0.0250		79.8	59.3	125	02/21/2023	

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 203138		SampType: LCS		Units mg/L							Date Analyzed	
SampID: LCS-203138												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
2,4,5-Trichlorophenol		0.010		0.036	0.0500	0	72.5	70.3	111			
2,4,6-Trichlorophenol		0.010		0.036	0.0500	0	72.7	63.1	107			
2,4-Dinitrotoluene		0.010		0.037	0.0500	0	73.9	64.6	114			
Hexachlorobenzene		0.010		0.035	0.0500	0	70.0	67.1	109			
Hexachlorobutadiene		0.010		0.030	0.0500	0	59.2	50	102			
Hexachloroethane		0.010		0.029	0.0500	0	58.6	44.2	103			
m,p-Cresol		0.010		0.030	0.0500	0	59.7	52.4	110			
Nitrobenzene		0.010		0.036	0.0500	0	72.0	54	120			
o-Cresol		0.010		0.032	0.0500	0	64.8	50.8	108			
Pentachlorophenol		0.020		0.030	0.0500	0	60.8	43.8	94.4			
Pyridine		0.020		0.027	0.0500	0	53.4	8.66	100			
Surr: 2,4,6-Tribromophenol	*			0.036	0.0500		71.9	61.1	111			
Surr: 2-Fluorobiphenyl	*			0.018	0.0250		72.8	54.7	109			
Surr: 2-Fluorophenol	*			0.027	0.0500		53.1	42.9	83.6			
Surr: Nitrobenzene-d5	*			0.020	0.0250		78.8	48.4	122			
Surr: Phenol-d5	*			0.021	0.0500		42.8	32.2	65.4			
Surr: p-Terphenyl-d14	*			0.016	0.0250		64.4	59.3	125			

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 203138		SampType: LCSD		Units mg/L		RPD Limit 40				
SampID: LCSD-203138										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
2,4,5-Trichlorophenol		0.010		0.043	0.0500	0	86.5	0.03625	17.66	02/21/2023
2,4,6-Trichlorophenol		0.010		0.044	0.0500	0	87.2	0.03633	18.17	02/21/2023
2,4-Dinitrotoluene		0.010		0.044	0.0500	0	88.6	0.03696	18.04	02/21/2023
Hexachlorobenzene		0.010		0.042	0.0500	0	84.8	0.03500	19.12	02/21/2023
Hexachlorobutadiene		0.010		0.036	0.0500	0	72.2	0.02960	19.81	02/21/2023
Hexachloroethane		0.010		0.035	0.0500	0	70.7	0.02929	18.81	02/21/2023
m,p-Cresol		0.010		0.035	0.0500	0	70.1	0.02986	16.05	02/21/2023
Nitrobenzene		0.010		0.043	0.0500	0	85.3	0.03602	16.90	02/21/2023
o-Cresol		0.010		0.037	0.0500	0	74.9	0.03240	14.46	02/21/2023
Pentachlorophenol		0.020		0.034	0.0500	0	68.7	0.03042	12.16	02/21/2023
Pyridine		0.020		0.029	0.0500	0	58.0	0.02669	8.33	02/21/2023
Surr: 2,4,6-Tribromophenol	*			0.041	0.0500		81.4			02/21/2023
Surr: 2-Fluorobiphenyl	*			0.021	0.0250		83.6			02/21/2023
Surr: 2-Fluorophenol	*			0.029	0.0500		58.5			02/21/2023
Surr: Nitrobenzene-d5	*			0.023	0.0250		90.4			02/21/2023
Surr: Phenol-d5	*			0.024	0.0500		47.5			02/21/2023
Surr: p-Terphenyl-d14	*			0.016	0.0250		62.4			02/21/2023



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch	203138	SampType:	MS	Units	mg/L						
SampleID:	23020667-001AMS										Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
2,4,5-Trichlorophenol		0.100		0.430	0.5000	0	86.0	51.8	109	02/21/2023	
2,4,6-Trichlorophenol		0.100		0.443	0.5000	0	88.6	53.3	105	02/21/2023	
2,4-Dinitrotoluene		0.100		0.430	0.5000	0	86.0	48.7	120	02/21/2023	
Hexachlorobenzene		0.100		0.401	0.5000	0	80.2	53.1	114	02/21/2023	
Hexachlorobutadiene		0.100		0.365	0.5000	0	73.1	40.9	106	02/21/2023	
Hexachloroethane		0.100		0.326	0.5000	0	65.1	36.8	105	02/21/2023	
m,p-Cresol		0.100		0.380	0.5000	0	76.0	42	99.3	02/21/2023	
Nitrobenzene		0.100		0.394	0.5000	0	78.7	48.8	110	02/21/2023	
o-Cresol		0.100		0.388	0.5000	0	77.7	47.2	105	02/21/2023	
Pentachlorophenol		0.200		0.342	0.5000	0	68.4	40.3	91.7	02/21/2023	
Pyridine		0.200		0.283	0.5000	0	56.6	16	84.5	02/21/2023	
Cresols, Total		0.200		0.768	1.000	0	76.8	45.7	102	02/21/2023	
Surr: 2,4,6-Tribromophenol	*			0.451	0.5000		90.1	50.5	124	02/21/2023	
Surr: 2-Fluorobiphenyl	*			0.202	0.2500		80.6	44.3	104	02/21/2023	
Surr: 2-Fluorophenol	*			0.323	0.5000		64.6	30.2	83.3	02/21/2023	
Surr: Nitrobenzene-d5	*			0.180	0.2500		71.9	34	108	02/21/2023	
Surr: Phenol-d5	*			0.246	0.5000		49.2	23.2	62.1	02/21/2023	
Surr: p-Terphenyl-d14	*			0.185	0.2500		74.0	38.5	117	02/21/2023	

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 203138		SampType: MSD		Units mg/L				RPD Limit 40		
SampID: 23020667-001AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
2,4,5-Trichlorophenol		0.100		0.442	0.5000	0	88.4	0.4298	2.80	02/21/2023
2,4,6-Trichlorophenol		0.100		0.464	0.5000	0	92.8	0.4428	4.68	02/21/2023
2,4-Dinitrotoluene		0.100		0.432	0.5000	0	86.3	0.4301	0.32	02/21/2023
Hexachlorobenzene		0.100		0.414	0.5000	0	82.8	0.4010	3.24	02/21/2023
Hexachlorobutadiene		0.100		0.380	0.5000	0	76.1	0.3654	4.05	02/21/2023
Hexachloroethane		0.100		0.320	0.5000	0	64.0	0.3255	1.77	02/21/2023
m,p-Cresol		0.100		0.366	0.5000	0	73.3	0.3799	3.65	02/21/2023
Nitrobenzene		0.100		0.391	0.5000	0	78.2	0.3937	0.74	02/21/2023
o-Cresol		0.100		0.361	0.5000	0	72.2	0.3884	7.31	02/21/2023
Pentachlorophenol		0.200		0.348	0.5000	0	69.5	0.3422	1.59	02/21/2023
Pyridine		0.200		0.220	0.5000	0	44.0	0.2829	25.10	02/21/2023
Cresols, Total		0.200		0.727	1.000	0	72.7	0.7683	5.48	02/21/2023
Surr: 2,4,6-Tribromophenol	*			0.472	0.5000		94.4			02/21/2023
Surr: 2-Fluorobiphenyl	*			0.214	0.2500		85.4			02/21/2023
Surr: 2-Fluorophenol	*			0.305	0.5000		61.0			02/21/2023
Surr: Nitrobenzene-d5	*			0.175	0.2500		70.1			02/21/2023
Surr: Phenol-d5	*			0.238	0.5000		47.6			02/21/2023
Surr: p-Terphenyl-d14	*			0.186	0.2500		74.5			02/21/2023



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch	203138	SampType:	MS	Units	mg/L						
SampleID:	23020717-001CMS										Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
2,4,5-Trichlorophenol		0.200		0.800	1.000	0	80.0	51.8	109	02/22/2023	
2,4,6-Trichlorophenol		0.200		0.857	1.000	0	85.7	53.3	105	02/22/2023	
2,4-Dinitrotoluene		0.100		0.782	1.000	0	78.2	48.7	120	02/22/2023	
Hexachlorobenzene		0.100		0.790	1.000	0	79.0	53.1	114	02/22/2023	
Hexachlorobutadiene		0.200		0.619	1.000	0	61.9	40.9	106	02/22/2023	
Hexachloroethane		0.200		0.548	1.000	0	54.8	36.8	105	02/22/2023	
m,p-Cresol		0.200		0.707	1.000	0	70.7	42	99.3	02/22/2023	
Nitrobenzene		0.200		0.760	1.000	0	76.0	48.8	110	02/22/2023	
o-Cresol		0.200		0.706	1.000	0	70.6	47.2	105	02/22/2023	
Pentachlorophenol		0.400		0.590	1.000	0	59.0	40.3	91.7	02/22/2023	
Pyridine		0.400		0.518	1.000	0	51.8	16	84.5	02/22/2023	
Cresols, Total		0.400		1.41	2.000	0	70.7	45.7	102	02/22/2023	
Surr: 2,4,6-Tribromophenol	*			0.800	1.000		80.0	50.5	124	02/22/2023	
Surr: 2-Fluorobiphenyl	*			0.377	0.5000		75.3	44.3	104	02/22/2023	
Surr: 2-Fluorophenol	*			0.601	1.000		60.1	30.2	83.3	02/22/2023	
Surr: Nitrobenzene-d5	*			0.348	0.5000		69.7	34	108	02/22/2023	
Surr: Phenol-d5	*			0.456	1.000		45.6	23.2	62.1	02/22/2023	
Surr: p-Terphenyl-d14	*			0.378	0.5000		75.7	38.5	117	02/22/2023	



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch	203138	SampType:	MS	Units mg/L							
SampleID:		23020750-002AMS									Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
2,4,5-Trichlorophenol		0.100		0.427	0.5000	0	85.3	51.8	109	02/21/2023	
2,4,6-Trichlorophenol		0.100		0.422	0.5000	0	84.5	53.3	105	02/21/2023	
2,4-Dinitrotoluene		0.100		0.423	0.5000	0	84.6	48.7	120	02/21/2023	
Hexachlorobenzene		0.100		0.402	0.5000	0	80.4	53.1	114	02/21/2023	
Hexachlorobutadiene		0.100		0.337	0.5000	0	67.5	40.9	106	02/21/2023	
Hexachloroethane		0.100		0.328	0.5000	0	65.6	36.8	105	02/21/2023	
m,p-Cresol		0.100		0.349	0.5000	0	69.9	42	99.3	02/21/2023	
Nitrobenzene		0.100		0.404	0.5000	0	80.9	48.8	110	02/21/2023	
o-Cresol		0.100		0.373	0.5000	0	74.7	47.2	105	02/21/2023	
Pentachlorophenol		0.200		0.344	0.5000	0	68.9	40.3	91.7	02/21/2023	
Pyridine		0.200		0.281	0.5000	0	56.2	16	84.5	02/21/2023	
Cresols, Total		0.200		0.723	1.000	0	72.3	45.7	102	02/21/2023	
Surr: 2,4,6-Tribromophenol	*			0.395	0.5000		79.0	50.5	124	02/21/2023	
Surr: 2-Fluorobiphenyl	*			0.201	0.2500		80.3	44.3	104	02/21/2023	
Surr: 2-Fluorophenol	*			0.292	0.5000		58.4	30.2	83.3	02/21/2023	
Surr: Nitrobenzene-d5	*			0.211	0.2500		84.2	34	108	02/21/2023	
Surr: Phenol-d5	*			0.233	0.5000		46.5	23.2	62.1	02/21/2023	
Surr: p-Terphenyl-d14	*			0.161	0.2500		64.2	38.5	117	02/21/2023	



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch	203138	SampType:	MS	Units	mg/L						
SampleID: 23020750-003AMS											Date
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Analyzed	
2,4,5-Trichlorophenol		0.010		0.043	0.0500	0	85.5	51.8	109	02/22/2023	
2,4,6-Trichlorophenol		0.010		0.045	0.0500	0	90.0	53.3	105	02/22/2023	
2,4-Dinitrotoluene		0.010		0.042	0.0500	0	84.6	48.7	120	02/22/2023	
Hexachlorobenzene		0.010		0.041	0.0500	0	82.8	53.1	114	02/22/2023	
Hexachlorobutadiene		0.010		0.032	0.0500	0	64.5	40.9	106	02/22/2023	
Hexachloroethane		0.010		0.029	0.0500	0	57.4	36.8	105	02/22/2023	
m,p-Cresol		0.010		0.038	0.0500	0	75.8	42	99.3	02/22/2023	
Nitrobenzene		0.010		0.039	0.0500	0	77.3	48.8	110	02/22/2023	
o-Cresol		0.010		0.038	0.0500	0	75.1	47.2	105	02/22/2023	
Pentachlorophenol		0.020		0.033	0.0500	0	66.7	40.3	91.7	02/22/2023	
Pyridine		0.020		0.028	0.0500	0	57.0	16	84.5	02/22/2023	
Cresols, Total		0.020		0.075	0.1000	0	75.5	45.7	102	02/22/2023	
Surr: 2,4,6-Tribromophenol	*			0.047	0.0500		93.0	50.5	124	02/22/2023	
Surr: 2-Fluorobiphenyl	*			0.021	0.0250		82.4	44.3	104	02/22/2023	
Surr: 2-Fluorophenol	*			0.033	0.0500		66.1	30.2	83.3	02/22/2023	
Surr: Nitrobenzene-d5	*			0.018	0.0250		72.3	34	108	02/22/2023	
Surr: Phenol-d5	*			0.025	0.0500		49.2	23.2	62.1	02/22/2023	
Surr: p-Terphenyl-d14	*			0.020	0.0250		78.9	38.5	117	02/22/2023	

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 203138		SampType: MS		Units mg/L							Date Analyzed
SampleID: 23020807-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
2,4,5-Trichlorophenol		0.200		0.794	1.000	0	79.4	51.8	109	02/22/2023	
2,4,6-Trichlorophenol		0.200		0.783	1.000	0	78.3	53.3	105	02/22/2023	
2,4-Dinitrotoluene		0.100		0.793	1.000	0	79.3	48.7	120	02/22/2023	
Hexachlorobenzene		0.100		0.741	1.000	0	74.1	53.1	114	02/22/2023	
Hexachlorobutadiene		0.200		0.571	1.000	0	57.1	40.9	106	02/22/2023	
Hexachloroethane		0.200		0.593	1.000	0	59.3	36.8	105	02/22/2023	
m,p-Cresol		0.200		0.657	1.000	0	65.7	42	99.3	02/22/2023	
Nitrobenzene		0.200		0.739	1.000	0	73.9	48.8	110	02/22/2023	
o-Cresol		0.200		0.707	1.000	0	70.7	47.2	105	02/22/2023	
Pentachlorophenol		0.400		0.637	1.000	0	63.7	40.3	91.7	02/22/2023	
Pyridine		0.400		0.530	1.000	0	53.0	16	84.5	02/22/2023	
Cresols, Total		0.400		1.36	2.000	0	68.2	45.7	102	02/22/2023	
Surr: 2,4,6-Tribromophenol	*			0.733	1.000		73.3	50.5	124	02/22/2023	
Surr: 2-Fluorobiphenyl	*			0.365	0.5000		72.9	44.3	104	02/22/2023	
Surr: 2-Fluorophenol	*			0.538	1.000		53.8	30.2	83.3	02/22/2023	
Surr: Nitrobenzene-d5	*			0.382	0.5000		76.4	34	108	02/22/2023	
Surr: Phenol-d5	*			0.431	1.000		43.1	23.2	62.1	02/22/2023	
Surr: p-Terphenyl-d14	*			0.334	0.5000		66.8	38.5	117	02/22/2023	

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 203138		SampType: MS		Units mg/L							Date Analyzed
SampID: 23020944-003AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
2,4,5-Trichlorophenol		0.200		0.837	1.000	0	83.7	51.8	109	02/22/2023	
2,4,6-Trichlorophenol		0.200		0.836	1.000	0	83.6	53.3	105	02/22/2023	
2,4-Dinitrotoluene		0.100		0.843	1.000	0	84.3	48.7	120	02/22/2023	
Hexachlorobenzene		0.100		0.785	1.000	0	78.5	53.1	114	02/22/2023	
Hexachlorobutadiene		0.200		0.582	1.000	0	58.2	40.9	106	02/22/2023	
Hexachloroethane		0.200		0.552	1.000	0	55.2	36.8	105	02/22/2023	
m,p-Cresol		0.200		0.611	1.000	0	61.1	42	99.3	02/22/2023	
Nitrobenzene		0.200		0.769	1.000	0	76.9	48.8	110	02/22/2023	
o-Cresol		0.200		0.664	1.000	0	66.4	47.2	105	02/22/2023	
Pentachlorophenol		0.400		0.689	1.000	0	68.9	40.3	91.7	02/22/2023	
Pyridine		0.400		0.506	1.000	0	50.6	16	84.5	02/22/2023	
Cresols, Total		0.400		1.28	2.000	0	63.8	45.7	102	02/22/2023	
Surr: 2,4,6-Tribromophenol	*			0.811	1.000		81.1	50.5	124	02/22/2023	
Surr: 2-Fluorobiphenyl	*			0.396	0.5000		79.2	44.3	104	02/22/2023	
Surr: 2-Fluorophenol	*			0.496	1.000		49.6	30.2	83.3	02/22/2023	
Surr: Nitrobenzene-d5	*			0.404	0.5000		80.8	34	108	02/22/2023	
Surr: Phenol-d5	*			0.409	1.000		40.9	23.2	62.1	02/22/2023	
Surr: p-Terphenyl-d14	*			0.274	0.5000		54.8	38.5	117	02/22/2023	

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 203184		SampType: MBLK		Units mg/L							Date Analyzed	
SampID: MBLK-203184												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
2,4,5-Trichlorophenol		0.010		ND								
2,4,6-Trichlorophenol		0.010		ND								
2,4,6-Trichlorophenol		0.008		ND								
2,4-Dinitrotoluene		0.010		ND								
2,4-Dinitrotoluene		0.017		ND								
Hexachlorobenzene		0.010		ND								
Hexachlorobenzene		0.006		ND								
Hexachlorobutadiene		0.003		ND								
Hexachlorobutadiene		0.010		ND								
Hexachloroethane		0.005		ND								
Hexachloroethane		0.010		ND								
m,p-Cresol		0.010		ND								
m,p-Cresol	*	0.010		ND								
Nitrobenzene		0.006		ND								
Nitrobenzene		0.010		ND								
o-Cresol	*	0.010		ND								
o-Cresol		0.010		ND								
Pentachlorophenol		0.011		ND								
Pentachlorophenol		0.020		ND								
Pyridine		0.020		ND								
Pyridine		0.020		ND								
Surr: 2,4,6-Tribromophenol	*			0.046	0.0500		91.1	53.5	126			
Surr: 2,4,6-Tribromophenol	*			0.046	0.0500		91.1	57.8	111			
Surr: 2-Fluorobiphenyl	*			0.020	0.0250		80.1	49.4	110			
Surr: 2-Fluorobiphenyl	*			0.020	0.0250		80.1	65.3	101			
Surr: 2-Fluorophenol	*			0.029	0.0500		58.2	42.3	81.5			
Surr: 2-Fluorophenol	*			0.029	0.0500		58.2	39.8	98.1			
Surr: Nitrobenzene-d5	*			0.019	0.0250		74.6	15	314			
Surr: Nitrobenzene-d5	*			0.019	0.0250		74.6	50.4	112			
Surr: Phenol-d5	*			0.022	0.0500		44.5	32.9	61.8			
Surr: Phenol-d5	*			0.022	0.0500		44.5	8	424			
Surr: p-Terphenyl-d14	*			0.021	0.0250		82.8	51.8	118			
Surr: p-Terphenyl-d14	*			0.021	0.0250		82.8	10.5	141			



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 203184		SampType: LCS		Units mg/L							Date Analyzed
SampleID: LCS-203184											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
2,4,5-Trichlorophenol		0.010		0.038	0.0500	0	75.8	62.6	122	02/23/2023	
2,4,6-Trichlorophenol		0.008		0.040	0.0500	0	79.9	52	129	02/23/2023	
2,4,6-Trichlorophenol		0.010		0.040	0.0500	0	79.9	66	110	02/23/2023	
2,4-Dinitrotoluene		0.017		0.038	0.0500	0	76.6	48	127	02/23/2023	
2,4-Dinitrotoluene		0.010		0.038	0.0500	0	76.6	64.2	120	02/23/2023	
Hexachlorobenzene		0.010		0.037	0.0500	0	73.4	59.4	120	02/23/2023	
Hexachlorobenzene		0.006		0.037	0.0500	0	73.4	8	142	02/23/2023	
Hexachlorobutadiene		0.010		0.031	0.0500	0	62.3	47.4	108	02/23/2023	
Hexachlorobutadiene		0.003		0.031	0.0500	0	62.3	38	120	02/23/2023	
Hexachloroethane		0.010		0.028	0.0500	0	56.3	47.1	98.7	02/23/2023	
Hexachloroethane		0.005		0.028	0.0500	0	56.3	55	120	02/23/2023	
m,p-Cresol		0.010		0.028	0.0500	0	55.9	55.9	103	02/23/2023	
m,p-Cresol	*	0.010		0.028	0.0500	0	55.9	50.2	95.9	02/23/2023	
Nitrobenzene		0.006		0.034	0.0500	0	67.4	54	158	02/23/2023	
Nitrobenzene		0.010		0.034	0.0500	0	67.4	54.8	115	02/23/2023	
o-Cresol	*	0.010		0.029	0.0500	0	57.2	33.7	119	02/23/2023	
o-Cresol		0.010	S	0.029	0.0500	0	57.2	60.4	106	02/23/2023	
Pentachlorophenol		0.011		0.027	0.0500	0	54.1	38	152	02/23/2023	
Pentachlorophenol		0.020		0.027	0.0500	0	54.1	42.4	94.1	02/23/2023	
Pyridine		0.020		0.023	0.0500	0	46.3	19.9	83.4	02/23/2023	
Pyridine		0.020		0.023	0.0500	0	46.3	17.1	101	02/23/2023	
Surr: 2,4,6-Tribromophenol	*			0.040	0.0500		81.0	57.8	111	02/23/2023	
Surr: 2,4,6-Tribromophenol	*			0.040	0.0500		81.0	53.5	126	02/23/2023	
Surr: 2-Fluorobiphenyl	*			0.018	0.0250		70.7	49.4	110	02/23/2023	
Surr: 2-Fluorobiphenyl	*			0.018	0.0250		70.7	65.3	101	02/23/2023	
Surr: 2-Fluorophenol	*			0.023	0.0500		45.7	39.8	98.1	02/23/2023	
Surr: 2-Fluorophenol	*			0.023	0.0500		45.7	42.3	81.5	02/23/2023	
Surr: Nitrobenzene-d5	*			0.016	0.0250		63.0	15	314	02/23/2023	
Surr: Nitrobenzene-d5	*			0.016	0.0250		63.0	50.4	112	02/23/2023	
Surr: Phenol-d5	*			0.018	0.0500		35.7	32.9	61.8	02/23/2023	
Surr: Phenol-d5	*			0.018	0.0500		35.7	8	424	02/23/2023	
Surr: p-Terphenyl-d14	*			0.015	0.0250		59.6	51.8	118	02/23/2023	
Surr: p-Terphenyl-d14	*			0.015	0.0250		59.6	10.5	141	02/23/2023	

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 203184		SampType: LCSD		Units mg/L			RPD Limit 40			
SampleID: LCSD-203184										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
2,4,5-Trichlorophenol		0.010		0.040	0.0500	0	81.0	0.03790	6.63	02/22/2023
2,4,6-Trichlorophenol		0.010		0.042	0.0500	0	83.4	0.03993	4.34	02/22/2023
2,4,6-Trichlorophenol		0.008		0.042	0.0500	0	83.4	0.03993	4.34	02/22/2023
2,4-Dinitrotoluene		0.017		0.040	0.0500	0	79.0	0.03831	3.06	02/22/2023
2,4-Dinitrotoluene		0.010		0.040	0.0500	0	79.0	0.03831	3.06	02/22/2023
Hexachlorobenzene		0.006		0.039	0.0500	0	77.0	0.03669	4.84	02/22/2023
Hexachlorobenzene		0.010		0.039	0.0500	0	77.0	0.03669	4.84	02/22/2023
Hexachlorobutadiene		0.010		0.033	0.0500	0	67.0	0.03116	7.18	02/22/2023
Hexachlorobutadiene		0.003		0.033	0.0500	0	67.0	0.03116	7.18	02/22/2023
Hexachloroethane		0.005		0.031	0.0500	0	61.7	0.02813	9.29	02/22/2023
Hexachloroethane		0.010		0.031	0.0500	0	61.7	0.02813	9.29	02/22/2023
m,p-Cresol	*	0.010		0.032	0.0500	0	64.7	0.02797	14.55	02/22/2023
m,p-Cresol		0.010		0.032	0.0500	0	64.7	0.02797	14.55	02/22/2023
Nitrobenzene		0.006		0.036	0.0500	0	71.6	0.03370	6.04	02/22/2023
Nitrobenzene		0.010		0.036	0.0500	0	71.6	0.03370	6.04	02/22/2023
o-Cresol	*	0.010		0.033	0.0500	0	65.9	0.02859	0.00	02/22/2023
o-Cresol		0.010		0.033	0.0500	0	65.9	0.02859	14.17	02/22/2023
Pentachlorophenol		0.020		0.034	0.0500	0	67.0	0.02705	21.33	02/22/2023
Pentachlorophenol		0.011		0.034	0.0500	0	67.0	0.02705	21.33	02/22/2023
Pyridine		0.020		0.025	0.0500	0	50.6	0.02314	9.00	02/22/2023
Pyridine		0.020		0.025	0.0500	0	50.6	0.02314	9.00	02/22/2023
Surr: 2,4,6-Tribromophenol	*			0.041	0.0500		82.3			02/22/2023
Surr: 2,4,6-Tribromophenol	*			0.041	0.0500		82.3			02/22/2023
Surr: 2-Fluorobiphenyl	*			0.019	0.0250		74.3			02/22/2023
Surr: 2-Fluorobiphenyl	*			0.019	0.0250		74.3			02/22/2023
Surr: 2-Fluorophenol	*			0.029	0.0500		57.5			02/22/2023
Surr: 2-Fluorophenol	*			0.029	0.0500		57.5			02/22/2023
Surr: Nitrobenzene-d5	*			0.016	0.0250		64.1			02/22/2023
Surr: Nitrobenzene-d5	*			0.016	0.0250		64.1			02/22/2023
Surr: Phenol-d5	*			0.023	0.0500		45.2			02/22/2023
Surr: Phenol-d5	*			0.023	0.0500		45.2			02/22/2023
Surr: p-Terphenyl-d14	*			0.017	0.0250		69.2			02/22/2023
Surr: p-Terphenyl-d14	*			0.017	0.0250		69.2			02/22/2023



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 203184 SampType: MS

Units mg/L

SampleID: 23020750-004AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
2,4,5-Trichlorophenol		0.100		0.472	0.5000	0	94.4	51.8	109	02/22/2023
2,4,6-Trichlorophenol		0.100		0.482	0.5000	0	96.5	53.3	105	02/22/2023
2,4-Dinitrotoluene		0.100		0.456	0.5000	0	91.2	48.7	120	02/22/2023
Hexachlorobenzene		0.100		0.453	0.5000	0	90.6	53.1	114	02/22/2023
Hexachlorobutadiene		0.100		0.375	0.5000	0	75.0	40.9	106	02/22/2023
Hexachloroethane		0.100		0.334	0.5000	0	66.9	36.8	105	02/22/2023
m,p-Cresol		0.100		0.372	0.5000	0	74.4	42	99.3	02/22/2023
Nitrobenzene		0.100		0.408	0.5000	0	81.5	48.8	110	02/22/2023
o-Cresol		0.100		0.372	0.5000	0	74.5	47.2	105	02/22/2023
Pentachlorophenol		0.200		0.363	0.5000	0	72.6	40.3	91.7	02/22/2023
Pyridine		0.200		0.294	0.5000	0	58.8	16	84.5	02/22/2023
Cresols, Total		0.200		0.745	1.000	0	74.5	45.7	102	02/22/2023
Surr: 2,4,6-Tribromophenol	*			0.496	0.5000		99.2	50.5	124	02/22/2023
Surr: 2-Fluorobiphenyl	*			0.223	0.2500		89.3	44.3	104	02/22/2023
Surr: 2-Fluorophenol	*			0.315	0.5000		63.1	30.2	83.3	02/22/2023
Surr: Nitrobenzene-d5	*			0.183	0.2500		73.3	34	108	02/22/2023
Surr: Phenol-d5	*			0.235	0.5000		47.0	23.2	62.1	02/22/2023
Surr: p-Terphenyl-d14	*			0.200	0.2500		80.1	38.5	117	02/22/2023

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 203184		SampType: MS		Units mg/L							Date Analyzed
SampID: 23020973-001BMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
2,4,5-Trichlorophenol		0.100		0.459	0.5000	0	91.8	51.8	109	02/23/2023	
2,4,6-Trichlorophenol		0.100		0.459	0.5000	0	91.8	53.3	105	02/23/2023	
2,4-Dinitrotoluene		0.100		0.465	0.5000	0	93.0	48.7	120	02/23/2023	
Hexachlorobenzene		0.100		0.444	0.5000	0	88.8	53.1	114	02/23/2023	
Hexachlorobutadiene		0.100		0.372	0.5000	0	74.4	40.9	106	02/23/2023	
Hexachloroethane		0.100		0.377	0.5000	0	75.3	36.8	105	02/23/2023	
m,p-Cresol		0.100		0.412	0.5000	0	82.4	42	99.3	02/23/2023	
Nitrobenzene		0.100		0.440	0.5000	0	88.0	48.8	110	02/23/2023	
o-Cresol		0.100		0.435	0.5000	0	86.9	47.2	105	02/23/2023	
Pentachlorophenol		0.200		0.372	0.5000	0	74.3	40.3	91.7	02/23/2023	
Pyridine		0.200		0.321	0.5000	0	64.3	16	84.5	02/23/2023	
Cresols, Total		0.200		0.846	1.000	0	84.6	45.7	102	02/23/2023	
Surr: 2,4,6-Tribromophenol	*			0.436	0.5000		87.1	50.5	124	02/23/2023	
Surr: 2-Fluorobiphenyl	*			0.223	0.2500		89.3	44.3	104	02/23/2023	
Surr: 2-Fluorophenol	*			0.356	0.5000		71.2	30.2	83.3	02/23/2023	
Surr: Nitrobenzene-d5	*			0.237	0.2500		94.7	34	108	02/23/2023	
Surr: Phenol-d5	*			0.277	0.5000		55.4	23.2	62.1	02/23/2023	
Surr: p-Terphenyl-d14	*			0.228	0.2500		91.2	38.5	117	02/23/2023	

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 203184		SampType: MSD		Units mg/L			RPD Limit 40			
SampleID: 23020973-001BMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
2,4,5-Trichlorophenol		0.100		0.451	0.5000	0	90.2	0.4588	1.71	02/23/2023
2,4,6-Trichlorophenol		0.100		0.446	0.5000	0	89.3	0.4591	2.83	02/23/2023
2,4-Dinitrotoluene		0.100		0.462	0.5000	0	92.4	0.4648	0.63	02/23/2023
Hexachlorobenzene		0.100		0.430	0.5000	0	86.0	0.4441	3.23	02/23/2023
Hexachlorobutadiene		0.100		0.370	0.5000	0	74.1	0.3722	0.51	02/23/2023
Hexachloroethane		0.100		0.377	0.5000	0	75.5	0.3766	0.19	02/23/2023
m,p-Cresol		0.100		0.399	0.5000	0	79.8	0.4118	3.13	02/23/2023
Nitrobenzene		0.100		0.431	0.5000	0	86.3	0.4399	1.97	02/23/2023
o-Cresol		0.100		0.421	0.5000	0	84.1	0.4346	3.27	02/23/2023
Pentachlorophenol		0.200		0.360	0.5000	0	72.1	0.3715	3.03	02/23/2023
Pyridine		0.200		0.337	0.5000	0	67.5	0.3214	4.86	02/23/2023
Cresols, Total		0.200		0.820	1.000	0	82.0	0.8464	3.21	02/23/2023
Surr: 2,4,6-Tribromophenol	*			0.412	0.5000		82.4			02/23/2023
Surr: 2-Fluorobiphenyl	*			0.207	0.2500		82.7			02/23/2023
Surr: 2-Fluorophenol	*			0.334	0.5000		66.9			02/23/2023
Surr: Nitrobenzene-d5	*			0.224	0.2500		89.5			02/23/2023
Surr: Phenol-d5	*			0.255	0.5000		51.1			02/23/2023
Surr: p-Terphenyl-d14	*			0.216	0.2500		86.4			02/23/2023

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 203184		SampType: MS		Units mg/L						
SampID: 23021048-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
2,4,5-Trichlorophenol		0.100		0.372	0.5000	0	74.3	51.8	109	02/23/2023
2,4,6-Trichlorophenol		0.100		0.362	0.5000	0	72.4	53.3	105	02/23/2023
2,4-Dinitrotoluene		0.100		0.370	0.5000	0	74.1	48.7	120	02/23/2023
Hexachlorobenzene		0.100		0.343	0.5000	0	68.6	53.1	114	02/23/2023
Hexachlorobutadiene		0.100		0.294	0.5000	0	58.9	40.9	106	02/23/2023
Hexachloroethane		0.100		0.293	0.5000	0	58.6	36.8	105	02/23/2023
m,p-Cresol		0.100		0.340	0.5000	0	68.0	42	99.3	02/23/2023
Nitrobenzene		0.100		0.342	0.5000	0	68.4	48.8	110	02/23/2023
o-Cresol		0.100		0.360	0.5000	0	72.1	47.2	105	02/23/2023
Pentachlorophenol		0.200		0.324	0.5000	0	64.9	40.3	91.7	02/23/2023
Pyridine		0.200		0.291	0.5000	0	58.2	16	84.5	02/23/2023
Cresols, Total		0.200		0.700	1.000	0	70.0	45.7	102	02/23/2023
Surr: 2,4,6-Tribromophenol	*			0.352	0.5000		70.4	50.5	124	02/23/2023
Surr: 2-Fluorobiphenyl	*			0.169	0.2500		67.8	44.3	104	02/23/2023
Surr: 2-Fluorophenol	*			0.283	0.5000		56.5	30.2	83.3	02/23/2023
Surr: Nitrobenzene-d5	*			0.178	0.2500		71.3	34	108	02/23/2023
Surr: Phenol-d5	*			0.230	0.5000		46.0	23.2	62.1	02/23/2023
Surr: p-Terphenyl-d14	*			0.215	0.2500		86.1	38.5	117	02/23/2023

SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

Batch 202844		SampType: MBLK		Units µg/Kg							
SampID: MBLK-202844											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aroclor 1016			37.5		ND						02/14/2023
Aroclor 1221			37.5		ND						02/14/2023
Aroclor 1232			37.5		ND						02/14/2023
Aroclor 1242			37.5		ND						02/14/2023
Aroclor 1248			37.5		ND						02/14/2023
Aroclor 1254			37.5		ND						02/14/2023
Aroclor 1260			37.5		ND						02/14/2023
Surr: Decachlorobiphenyl		*			9.4	8.300		113.2	67.2	140	02/14/2023
Surr: Tetrachloro-meta-xylene		*			7.8	8.300		94.1	64.4	120	02/14/2023

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD
Batch 202844 **SampType:** LCS Units $\mu\text{g/Kg}$

SampID: LCSPCB-202844

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aroclor 1016		37.5		179	166.7	0	107.5	75.8	122	02/14/2023
Aroclor 1260		37.5		184	166.7	0	110.4	79.7	132	02/14/2023
Surr: Decachlorobiphenyl	*			10.5	8.300		126.0	67.2	140	02/14/2023
Surr: Tetrachloro-meta-xylene	*			8.7	8.300		104.3	64.4	120	02/14/2023

Batch 202844 **SampType:** MS Units $\mu\text{g/Kg-dry}$

SampID: 23020681-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aroclor 1016		47.0		199	209.1	0	95.1	35.3	143	02/15/2023
Aroclor 1260		47.0		189	209.1	0	90.4	40.8	140	02/15/2023
Surr: Decachlorobiphenyl	*			10.7	10.41		102.8	40.2	131	02/15/2023
Surr: Tetrachloro-meta-xylene	*			9.5	10.41		91.6	39	122	02/15/2023

Batch 202844 **SampType:** MSD Units $\mu\text{g/Kg-dry}$

 RPD Limit **40**

SampID: 23020681-005AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aroclor 1016		46.2		187	205.3	0	91.1	198.8	6.08	02/15/2023
Aroclor 1260		46.2		180	205.3	0	87.8	189.1	4.85	02/15/2023
Surr: Decachlorobiphenyl	*			10.5	10.22		103.0			02/15/2023
Surr: Tetrachloro-meta-xylene	*			10.3	10.22		101.1			02/15/2023

Batch 202880 **SampType:** MBLK Units $\mu\text{g/Kg}$

SampID: MBLK-202880

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aroclor 1016		37.5		ND						02/20/2023
Aroclor 1221		37.5		ND						02/20/2023
Aroclor 1232		37.5		ND						02/20/2023
Aroclor 1242		37.5		ND						02/20/2023
Aroclor 1248		37.5		ND						02/20/2023
Aroclor 1254		37.5		ND						02/20/2023
Aroclor 1260		37.5		ND						02/20/2023
Surr: Decachlorobiphenyl	*			8.7	8.300		105.0	67.2	140	02/20/2023
Surr: Tetrachloro-meta-xylene	*			7.4	8.300		89.7	64.4	120	02/20/2023

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD
Batch 202880 **SampType:** LCS Units $\mu\text{g/Kg}$

SampleID: LCSPCB-202880

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aroclor 1016		37.5		154	166.7	0	92.6	75.8	122	02/20/2023
Aroclor 1260		37.5		149	166.7	0	89.3	79.7	132	02/20/2023
Surr: Decachlorobiphenyl	*			8.6	8.300		103.8	67.2	140	02/20/2023
Surr: Tetrachloro-meta-xylene	*			7.4	8.300		89.1	64.4	120	02/20/2023

Batch 202880 **SampType:** MS Units $\mu\text{g/Kg}$

SampleID: 23020807-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aroclor 1016		7310	S	ND	3247	0	161.0	35.3	143	02/16/2023
Aroclor 1260		7310		ND	3247	0	104.4	40.8	140	02/16/2023
Surr: Decachlorobiphenyl	*			168	161.7		103.9	40.2	131	02/16/2023
Surr: Tetrachloro-meta-xylene	*			107	161.7		66.3	39	122	02/16/2023

Batch 202880 **SampType:** MSD Units $\mu\text{g/Kg}$

 RPD Limit **40**

SampleID: 23020807-001AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aroclor 1016		10800		ND	4809	0	142.8	5228	0.00	02/16/2023
Aroclor 1260		10800		ND	4809	0	112.0	3389	0.00	02/16/2023
Surr: Decachlorobiphenyl	*			290	239.4		121.0			02/16/2023
Surr: Tetrachloro-meta-xylene	*			193	239.4		80.8			02/16/2023

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS

Batch	203012	SampType:	MBLK	Units µg/L						
SampID:		MBLK-AK230216AW-1								
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1-Dichloroethene	*	2.0		ND						02/16/2023
1,2-Dichloroethane	*	2.0		ND						02/16/2023
1,4-Dichlorobenzene	*	2.0		ND						02/16/2023
2-Butanone	*	10.0		ND						02/16/2023
Benzene	*	0.5		ND						02/16/2023
Carbon tetrachloride	*	2.0		ND						02/16/2023
Chlorobenzene	*	2.0		ND						02/16/2023
Chloroform	*	2.0		ND						02/16/2023
Tetrachloroethene	*	0.5		ND						02/16/2023
Trichloroethene	*	2.0		ND						02/16/2023
Vinyl chloride	*	2.0		ND						02/16/2023
Surr: 1,2-Dichloroethane-d4	*			50.5	50.00		101.0	80	120	02/16/2023
Surr: 4-Bromofluorobenzene	*			50.3	50.00		100.6	80	120	02/16/2023
Surr: Dibromofluoromethane	*			49.9	50.00		99.8	80	120	02/16/2023
Surr: Toluene-d8	*			50.1	50.00		100.3	80	120	02/16/2023

Batch	203012	SampType:	LCS	Units µg/L							
SampID: LCS-AK230216AW-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
1,1-Dichloroethene	*	2.0		45.2	50.00	0	90.3	69.4	127	02/16/2023	
1,2-Dichloroethane	*	2.0		45.4	50.00	0	90.9	72.3	117	02/16/2023	
1,4-Dichlorobenzene	*	2.0		44.0	50.00	0	87.9	73.9	112	02/16/2023	
2-Butanone	*	10.0		117	125.0	0	93.6	68.8	134	02/16/2023	
Benzene	*	0.5		44.8	50.00	0	89.6	78.5	119	02/16/2023	
Carbon tetrachloride	*	2.0		48.4	50.00	0	96.9	70.9	127	02/16/2023	
Chlorobenzene	*	2.0		45.7	50.00	0	91.4	80	111	02/16/2023	
Chloroform	*	2.0		47.0	50.00	0	94.1	76.2	120	02/16/2023	
Tetrachloroethene	*	0.5		52.1	50.00	0	104.3	70.1	120	02/16/2023	
Trichloroethene	*	2.0		45.8	50.00	0	91.6	76.2	121	02/16/2023	
Vinyl chloride	*	2.0		45.3	50.00	0	90.6	58.6	141	02/16/2023	
Surr: 1,2-Dichloroethane-d4	*			51.0	50.00		101.9	80	120	02/16/2023	
Surr: 4-Bromofluorobenzene	*			49.9	50.00		99.8	80	120	02/16/2023	
Surr: Dibromofluoromethane	*			50.7	50.00		101.3	80	120	02/16/2023	
Surr: Toluene-d8	*			49.7	50.00		99.4	80	120	02/16/2023	

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS

Batch	203012	SampType:	LCSD	Units				µg/L	RPD Limit			30.5
SampleID: LCSD-AK230216AW-1												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed		
1,1-Dichloroethene	*	2.0		52.8	50.00	0	105.6	45.17	15.60	02/16/2023		
1,2-Dichloroethane	*	2.0		49.8	50.00	0	99.6	45.43	9.18	02/16/2023		
1,4-Dichlorobenzene	*	2.0		48.1	50.00	0	96.1	43.96	8.91	02/16/2023		
2-Butanone	*	10.0		129	125.0	0	103.3	117.0	9.77	02/16/2023		
Benzene	*	0.5		50.0	50.00	0	100.0	44.79	10.99	02/16/2023		
Carbon tetrachloride	*	2.0		56.7	50.00	0	113.4	48.44	15.73	02/16/2023		
Chlorobenzene	*	2.0		51.1	50.00	0	102.2	45.68	11.22	02/16/2023		
Chloroform	*	2.0		52.0	50.00	0	104.0	47.05	9.98	02/16/2023		
Tetrachloroethene	*	0.5		54.5	50.00	0	109.0	52.14	4.43	02/16/2023		
Trichloroethene	*	2.0		52.6	50.00	0	105.1	45.78	13.77	02/16/2023		
Vinyl chloride	*	2.0		52.7	50.00	0	105.3	45.32	15.00	02/16/2023		
Surr: 1,2-Dichloroethane-d4	*			50.9	50.00		101.8			02/16/2023		
Surr: 4-Bromofluorobenzene	*			49.8	50.00		99.7			02/16/2023		
Surr: Dibromofluoromethane	*			50.2	50.00		100.4			02/16/2023		
Surr: Toluene-d8	*			49.8	50.00		99.5			02/16/2023		

Batch 203012		SampType: LCSG		Units %REC							
SampID: LCSG-AK230216AW-1											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 1,2-Dichloroethane-d4		*			49.6	50.00		99.1	80	120	02/16/2023
Surr: 4-Bromofluorobenzene		*			49.8	50.00		99.5	80	120	02/16/2023
Surr: Dibromofluoromethane		*			49.5	50.00		99.0	80	120	02/16/2023
Surr: Toluene-d8		*			50.5	50.00		101.1	80	120	02/16/2023

Batch 203012		SampType: LCSGD		Units %REC		RPD Limit 0					
SampleID: LCSGD-AK230216AW-1											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Surr: 1,2-Dichloroethane-d4		*			50.1	50.00		100.2			02/16/2023
Surr: 4-Bromofluorobenzene		*			50.2	50.00		100.4			02/16/2023
Surr: Dibromofluoromethane		*			49.7	50.00		99.3			02/16/2023
Surr: Toluene-d8		*			51.0	50.00		101.9			02/16/2023



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS

Batch 203012		SampType: MS		Units mg/L						
SampID: 23020750-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1-Dichloroethene		0.200		4.28	5.000	0	85.6	69.3	133	02/16/2023
1,2-Dichloroethane		0.200		4.79	5.000	0	95.7	79	117	02/16/2023
1,4-Dichlorobenzene		0.200		5.08	5.000	0	101.6	78.3	109	02/16/2023
2-Butanone		1.00		4.47	5.000	0	89.4	71.6	129	02/16/2023
Benzene		0.050		4.78	5.000	0	95.5	78.9	118	02/16/2023
Carbon tetrachloride		0.200		5.27	5.000	0	105.4	78.6	125	02/16/2023
Chlorobenzene		0.200		4.72	5.000	0	94.4	84.7	110	02/16/2023
Chloroform		0.200		4.88	5.000	0	97.6	80.9	117	02/16/2023
Tetrachloroethene		0.050		4.72	5.000	0	94.4	75.2	112	02/16/2023
Trichloroethene		0.200		4.78	5.000	0	95.6	80.4	121	02/16/2023
Vinyl chloride		0.200		4.51	5.000	0	90.2	44.3	144	02/16/2023
Surr: 1,2-Dichloroethane-d4	*			4.96	5.000		99.3	80	120	02/16/2023
Surr: 4-Bromofluorobenzene	*			4.98	5.000		99.5	80	120	02/16/2023
Surr: Dibromofluoromethane	*			5.00	5.000		100.1	80	120	02/16/2023
Surr: Toluene-d8	*			4.99	5.000		99.7	80	120	02/16/2023

Batch 203012		SampType: MS		Units µg/L						
SampID: 23021019-001DMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		10.0		964	1000	0	96.4	72	120	02/16/2023
Surr: 1,2-Dichloroethane-d4	*			1000	1000		100.5	80	120	02/16/2023
Surr: 4-Bromofluorobenzene	*			1000	1000		100.0	80	120	02/16/2023
Surr: Dibromofluoromethane	*			1010	1000		100.6	80	120	02/16/2023
Surr: Toluene-d8	*			991	1000		99.1	80	120	02/16/2023

Batch 203012		SampType: MSD		Units µg/L				RPD Limit 20			
SampID: 23021019-001DMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene			10.0		908	1000	0	90.8	964.0	5.94	02/16/2023
Surr: 1,2-Dichloroethane-d4		*			1010	1000		100.5			02/16/2023
Surr: 4-Bromofluorobenzene		*			996	1000		99.6			02/16/2023
Surr: Dibromofluoromethane		*			1000	1000		100.1			02/16/2023
Surr: Toluene-d8		*			987	1000		98.7			02/16/2023

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS

Batch	203053	SampType:	MBLK	Units µg/L						
SampID:		MBLK-AM230217A-1								
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1-Dichloroethene	*	2.0		ND						02/17/2023
1,2-Dichloroethane	*	2.0		ND						02/17/2023
1,4-Dichlorobenzene	*	2.0		ND						02/17/2023
2-Butanone	*	10.0		ND						02/17/2023
Benzene	*	0.5		ND						02/17/2023
Carbon tetrachloride	*	2.0		ND						02/17/2023
Chlorobenzene	*	2.0		ND						02/17/2023
Chloroform	*	2.0		ND						02/17/2023
Tetrachloroethene	*	0.5		ND						02/17/2023
Trichloroethene	*	2.0		ND						02/17/2023
Vinyl chloride	*	2.0		ND						02/17/2023
Surr: 1,2-Dichloroethane-d4	*			49.4	50.00		98.8	80	120	02/17/2023
Surr: 4-Bromofluorobenzene	*			50.2	50.00		100.4	80	120	02/17/2023
Surr: Dibromofluoromethane	*			49.7	50.00		99.4	80	120	02/17/2023
Surr: Toluene-d8	*			48.7	50.00		97.4	80	120	02/17/2023

Batch	203053	SampType:	LCS	Units µg/L							
SampID:		LCS-AM230217A-1									Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
1,1-Dichloroethene		*	2.0		49.0	50.00	0	98.0	69.4	127	02/17/2023
1,2-Dichloroethane		*	2.0		50.4	50.00	0	100.7	72.3	117	02/17/2023
1,4-Dichlorobenzene		*	2.0		46.1	50.00	0	92.3	73.9	112	02/17/2023
2-Butanone		*	10.0		137	125.0	0	109.9	68.8	134	02/17/2023
Benzene		*	0.5		48.2	50.00	0	96.5	78.5	119	02/17/2023
Carbon tetrachloride		*	2.0		50.3	50.00	0	100.6	70.9	127	02/17/2023
Chlorobenzene		*	2.0		49.1	50.00	0	98.3	80	111	02/17/2023
Chloroform		*	2.0		50.3	50.00	0	100.7	76.2	120	02/17/2023
Tetrachloroethene		*	0.5		49.0	50.00	0	98.0	70.1	120	02/17/2023
Trichloroethene		*	2.0		49.4	50.00	0	98.8	76.2	121	02/17/2023
Vinyl chloride		*	2.0		49.5	50.00	0	98.9	58.6	141	02/17/2023
Surr: 1,2-Dichloroethane-d4		*			49.9	50.00		99.8	80	120	02/17/2023
Surr: 4-Bromofluorobenzene		*			49.6	50.00		99.1	80	120	02/17/2023
Surr: Dibromofluoromethane		*			50.8	50.00		101.5	80	120	02/17/2023
Surr: Toluene-d8		*			49.0	50.00		98.0	80	120	02/17/2023

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS

Batch 203053		SampType: LCSD		Units µg/L				RPD Limit 30.5			Date Analyzed
SampID: LCSD-AM230217A-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
1,1-Dichloroethene	*	2.0		49.7	50.00	0	99.3	49.01	1.34	02/17/2023	
1,2-Dichloroethane	*	2.0		50.5	50.00	0	101.1	50.37	0.34	02/17/2023	
1,4-Dichlorobenzene	*	2.0		46.6	50.00	0	93.2	46.13	0.99	02/17/2023	
2-Butanone	*	10.0		136	125.0	0	109.0	137.4	0.84	02/17/2023	
Benzene	*	0.5		49.0	50.00	0	98.1	48.23	1.69	02/17/2023	
Carbon tetrachloride	*	2.0		51.3	50.00	0	102.6	50.31	1.97	02/17/2023	
Chlorobenzene	*	2.0		49.3	50.00	0	98.6	49.13	0.30	02/17/2023	
Chloroform	*	2.0		51.8	50.00	0	103.7	50.33	2.96	02/17/2023	
Tetrachloroethene	*	0.5		52.7	50.00	0	105.3	49.00	7.22	02/17/2023	
Trichloroethene	*	2.0		50.8	50.00	0	101.6	49.38	2.82	02/17/2023	
Vinyl chloride	*	2.0		51.4	50.00	0	102.8	49.47	3.87	02/17/2023	
Surr: 1,2-Dichloroethane-d4	*			49.9	50.00		99.9			02/17/2023	
Surr: 4-Bromofluorobenzene	*			49.7	50.00		99.3			02/17/2023	
Surr: Dibromofluoromethane	*			50.0	50.00		99.9			02/17/2023	
Surr: Toluene-d8	*			48.6	50.00		97.2			02/17/2023	

Batch	203053	SampType:	MS	Units mg/L							
SampID: 23020750-005AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
1,1-Dichloroethene		0.200		4.12	5.000	0	82.3	69.3	133	02/17/2023	
1,2-Dichloroethane		0.200		4.99	5.000	0	99.8	79	117	02/17/2023	
1,4-Dichlorobenzene		0.200		4.85	5.000	0	97.0	78.3	109	02/17/2023	
2-Butanone		1.00		4.88	5.000	0	97.6	71.6	129	02/17/2023	
Benzene		0.050		4.70	5.000	0	94.0	78.9	118	02/17/2023	
Carbon tetrachloride		0.200		5.02	5.000	0	100.4	78.6	125	02/17/2023	
Chlorobenzene		0.200		4.70	5.000	0	93.9	84.7	110	02/17/2023	
Chloroform		0.200		4.88	5.000	0	97.6	80.9	117	02/17/2023	
Tetrachloroethene		0.050		4.57	5.000	0	91.4	75.2	112	02/17/2023	
Trichloroethene		0.200		4.67	5.000	0	93.4	80.4	121	02/17/2023	
Vinyl chloride		0.200		4.26	5.000	0	85.2	44.3	144	02/17/2023	
Surr: 1,2-Dichloroethane-d4	*			5.05	5.000		101.1	80	120	02/17/2023	
Surr: 4-Bromofluorobenzene	*			5.09	5.000		101.8	80	120	02/17/2023	
Surr: Dibromofluoromethane	*			5.02	5.000		100.4	80	120	02/17/2023	
Surr: Toluene-d8	*			4.95	5.000		99.0	80	120	02/17/2023	

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS

Batch 203053		SampType: MS		Units mg/L						
SampID: 23020807-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1-Dichloroethene		0.200		4.31	5.000	0	86.2	69.3	133	02/17/2023
1,2-Dichloroethane		0.200		5.21	5.000	0	104.1	79	117	02/17/2023
1,4-Dichlorobenzene		0.200		4.89	5.000	0	97.8	78.3	109	02/17/2023
2-Butanone		1.00		4.84	5.000	0	96.7	71.6	129	02/17/2023
Benzene		0.050		4.81	5.000	0	96.3	78.9	118	02/17/2023
Carbon tetrachloride		0.200		5.20	5.000	0	104.0	78.6	125	02/17/2023
Chlorobenzene		0.200		4.70	5.000	0	94.0	84.7	110	02/17/2023
Chloroform		0.200		4.99	5.000	0	99.8	80.9	117	02/17/2023
Tetrachloroethene		0.050		4.51	5.000	0	90.3	75.2	112	02/17/2023
Trichloroethene		0.200		4.72	5.000	0	94.5	80.4	121	02/17/2023
Vinyl chloride		0.200		4.23	5.000	0	84.7	44.3	144	02/17/2023
Surr: 1,2-Dichloroethane-d4	*			5.08	5.000		101.6	80	120	02/17/2023
Surr: 4-Bromofluorobenzene	*			4.98	5.000		99.5	80	120	02/17/2023
Surr: Dibromofluoromethane	*			5.09	5.000		101.8	80	120	02/17/2023
Surr: Toluene-d8	*			4.87	5.000		97.5	80	120	02/17/2023

Batch 203053		SampType: MS		Units mg/L						
SampID: 23020834-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1-Dichloroethene		0.200		4.16	5.000	0	83.3	69.3	133	02/17/2023
1,2-Dichloroethane		0.200		4.88	5.000	0	97.6	79	117	02/17/2023
1,4-Dichlorobenzene		0.200		4.84	5.000	0	96.8	78.3	109	02/17/2023
2-Butanone		1.00		4.74	5.000	0	94.9	71.6	129	02/17/2023
Benzene		0.050		4.66	5.000	0	93.2	78.9	118	02/17/2023
Carbon tetrachloride		0.200		5.07	5.000	0	101.4	78.6	125	02/17/2023
Chlorobenzene		0.200		4.52	5.000	0	90.4	84.7	110	02/17/2023
Chloroform		0.200		4.85	5.000	0	96.9	80.9	117	02/17/2023
Tetrachloroethene		0.050		4.47	5.000	0.05700	88.2	75.2	112	02/17/2023
Trichloroethene		0.200		4.69	5.000	0	93.7	80.4	121	02/17/2023
Vinyl chloride		0.200		4.13	5.000	0	82.7	44.3	144	02/17/2023
Surr: 1,2-Dichloroethane-d4	*			5.07	5.000		101.5	80	120	02/17/2023
Surr: 4-Bromofluorobenzene	*			5.10	5.000		101.9	80	120	02/17/2023
Surr: Dibromofluoromethane	*			5.02	5.000		100.3	80	120	02/17/2023
Surr: Toluene-d8	*			4.87	5.000		97.4	80	120	02/17/2023

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS

Batch 203053		SampType: MS		Units mg/L						
SampID: 23020834-002AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1-Dichloroethene		0.200		4.06	5.000	0	81.1	69.3	133	02/17/2023
1,2-Dichloroethane		0.200		4.93	5.000	0	98.6	79	117	02/17/2023
1,4-Dichlorobenzene		0.200		4.79	5.000	0	95.9	78.3	109	02/17/2023
2-Butanone		1.00		4.82	5.000	0	96.5	71.6	129	02/17/2023
Benzene		0.050		4.55	5.000	0	91.1	78.9	118	02/17/2023
Carbon tetrachloride		0.200		4.90	5.000	0	97.9	78.6	125	02/17/2023
Chlorobenzene		0.200		4.46	5.000	0	89.1	84.7	110	02/17/2023
Chloroform		0.200		4.79	5.000	0	95.8	80.9	117	02/17/2023
Tetrachloroethene		0.050		4.45	5.000	0.03800	88.3	75.2	112	02/17/2023
Trichloroethene		0.200		4.54	5.000	0	90.8	80.4	121	02/17/2023
Vinyl chloride		0.200		4.04	5.000	0	80.8	44.3	144	02/17/2023
Surr: 1,2-Dichloroethane-d4	*			5.12	5.000		102.5	80	120	02/17/2023
Surr: 4-Bromofluorobenzene	*			4.97	5.000		99.4	80	120	02/17/2023
Surr: Dibromofluoromethane	*			5.08	5.000		101.6	80	120	02/17/2023
Surr: Toluene-d8	*			4.88	5.000		97.6	80	120	02/17/2023

Batch 203053		SampType: MS		Units µg/L						
SampID: 23021036-019bMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1-Dichloroethene		2.00		41.9	50.00	0	83.8	67.5	123	02/17/2023
1,2-Dichloroethane		2.00		49.1	50.00	0	98.2	79	117	02/17/2023
1,4-Dichlorobenzene		2.00		47.3	50.00	0	94.7	78.3	109	02/17/2023
2-Butanone		5.00		44.8	50.00	0	89.7	71.6	129	02/17/2023
Benzene		0.50		46.6	50.00	0	93.2	72	120	02/17/2023
Carbon tetrachloride		2.00		50.8	50.00	0	101.5	78.6	125	02/17/2023
Chlorobenzene		2.00		45.3	50.00	0	90.6	73.9	108	02/17/2023
Chloroform		2.00		48.3	50.00	0	96.6	80.9	117	02/17/2023
Tetrachloroethene		0.50		44.9	50.00	0	89.8	75.2	112	02/17/2023
Trichloroethene		1.00		46.5	50.00	0.3100	92.3	77.7	119	02/17/2023
Vinyl chloride		2.00		43.8	50.00	0	87.6	44.3	144	02/17/2023
Surr: 1,2-Dichloroethane-d4	*			51.5	50.00		103.0	80	120	02/17/2023
Surr: 4-Bromofluorobenzene	*			50.3	50.00		100.6	80	120	02/17/2023
Surr: Dibromofluoromethane	*			50.7	50.00		101.5	80	120	02/17/2023
Surr: Toluene-d8	*			49.2	50.00		98.4	80	120	02/17/2023

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS

Batch	203053	SampType:	MSD	Units				µg/L	RPD Limit			20
SampleID: 23021036-019bMSD												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
1,1-Dichloroethene			2.00		43.6	50.00	0	87.2	41.91	3.91	02/17/2023	
1,2-Dichloroethane			2.00		51.2	50.00	0	102.3	49.11	4.07	02/17/2023	
1,4-Dichlorobenzene			2.00		51.0	50.00	0	102.0	47.34	7.40	02/17/2023	
2-Butanone			5.00		46.1	50.00	0	92.2	44.85	2.79	02/17/2023	
Benzene			0.50		49.2	50.00	0	98.4	46.61	5.37	02/17/2023	
Carbon tetrachloride			2.00		52.9	50.00	0	105.7	50.77	4.03	02/17/2023	
Chlorobenzene			2.00		48.2	50.00	0	96.4	45.32	6.16	02/17/2023	
Chloroform			2.00		51.0	50.00	0	102.0	48.32	5.36	02/17/2023	
Tetrachloroethene			0.50		48.2	50.00	0	96.4	44.92	7.00	02/17/2023	
Trichloroethene			1.00		48.9	50.00	0.3100	97.2	46.47	5.12	02/17/2023	
Vinyl chloride			2.00		45.1	50.00	0	90.1	43.81	2.84	02/17/2023	
Surr: 1,2-Dichloroethane-d4		*			50.5	50.00		101.0			02/17/2023	
Surr: 4-Bromofluorobenzene		*			50.8	50.00		101.6			02/17/2023	
Surr: Dibromofluoromethane		*			50.6	50.00		101.1			02/17/2023	
Surr: Toluene-d8		*			48.5	50.00		97.0			02/17/2023	



Receiving Check List

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 23020750

Client Project: IDOT 68F38 / 23210

Report Date: 23-Feb-23

Carrier: Matt Stockert

Received By: ANC

Completed by:

On:

10-Feb-23

Timothy W. Mathis

Reviewed by:

On:

10-Feb-23

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C **5.6**

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☐

NA ☒

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?

Yes ☐

No ☐

No VOA vials ☒

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

NA ☒

NPDES/CWA TCN interferences checked/treated in the field?

Yes ☐

No ☐

NA ☒

Any No responses must be detailed below or on the COC.

Samples requiring pH should be analyzed as soon as possible after collection. Samples submitted for pH analysis are analyzed as soon as practicable upon arrival at the laboratory. - ehurley - 2/10/2023 4:23:45 PM

23020750

Print Form

Teklab Chain of Custody

Pg. ____ of ____

Workorder _____

5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618)344-1004 ~ Fax:(618)344-1005

Environmental Operations, Inc.

Are the samples chilled? ☒ Yes ☐ No with: ☐ Ice ☐ Blue icePreserved in ☐ Lab ☐ Field

7733 Forsyth Blvd., Ste. 1600

Cooler Temp 5.0 ^{#3} Sampler Matt Stockert

St. Louis

MO

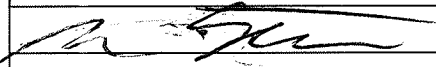
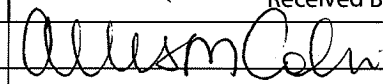
63105

Project Name/Number: IDOT 68F38 / 23310

Comments

Contact Matt StockerteMail matts@environmentalops. Phone 618-581-4544Requested Due Date STDBilling/PO 23310

Lab Use	Sample ID	Sample Date/Time	Preservative Matrix	TCLP VOCs	TCLP SVOCs	TCLP 8 RCRA Metals	Total PCBs	pH	Paint Filter	Ignitability				
<u>23020750</u> <u>001</u>	SS-68F38-1	2/10/23 <u>0930</u>	Unpres Soil	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
<u>002</u>	SS-68F38-2	2/10/23 <u>0951</u>	Unpres Soil	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
<u>003</u>	SS-68F38-3	2/10/23 <u>1030</u>	Unpres Soil	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
<u>004</u>	SS-68F38-4	2/10/23 <u>1055</u>	Unpres Soil	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
<u>005</u>	SS-68F38-5	2/10/23 <u>1112</u>	Unpres Soil	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
			Unpres Soil	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
			Unpres Soil	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
			Unpres Soil	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐

Relinquished By *	Date/Time	Received By	Date/Time
	2/10/23 1413		2/10/23 1413

* The individual signing this agreement on behalf of client acknowledges that they have read and understand the terms of this agreement and that they have the authority to sign on behalf of client.

Lab data Profile 635131IL

July 21, 2022

Matt Stockert
Environmental Operations, Inc.
7733 Forsyth Boulevard, Suite 1600
Clayton, MO 63105
TEL: (314) 480-4633
FAX: (314) 436-2900



Illinois	100226
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: IDOT 68G74 / 22556

WorkOrder: 22070650

Dear Matt Stockert:

TEKLAB, INC received 3 samples on 7/12/2022 16:05:00 for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Aaron Renner
Project Manager
(630)324-6855
arenner@teklabinc.com

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

This reporting package includes the following:

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Chain of Custody	Appended

Client: Environmental Operations, Inc.**Work Order:** 22070650**Client Project:** IDOT 68G74 / 22556**Report Date:** 21-Jul-22**Abbr Definition**

* Analytes on report marked with an asterisk are not NELAP accredited

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

CRQL A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.

DNI Did not ignite

DUP Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample is a sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL "The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

NC Data is not acceptable for compliance purposes

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

Qualifiers

- | | |
|---|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| C - RL shown is a Client Requested Quantitation Limit | E - Value above quantitation range |
| H - Holding times exceeded | I - Associated internal standard was outside method criteria |
| J - Analyte detected below quantitation limits | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | T - TIC(Tentatively identified compound) |
| X - Value exceeds Maximum Contaminant Level | |



Case Narrative

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

Cooler Receipt Temp: 4.8 °C

Locations

Collinsville

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email jhriley@teklabinc.com

Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
Phone (618) 344-1004
Fax (618) 344-1005
Email EHurley@teklabinc.com

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Chicago

Address 1319 Butterfield Rd.
Downers Grove, IL 60515
Phone (630) 324-6855
Fax
Email arenner@teklabinc.com

Kansas City

Address 8421 Nieman Road
Lenexa, KS 66214
Phone (913) 541-1998
Fax (913) 541-1998
Email jhriley@teklabinc.com

Client: Environmental Operations, Inc.**Work Order:** 22070650**Client Project:** IDOT 68G74 / 22556**Report Date:** 21-Jul-22

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2023	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2023	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2023	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2023	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2022	Collinsville
Arkansas	ADEQ	88-0966		3/14/2023	Collinsville
Illinois	IDPH	17584		5/31/2023	Collinsville
Iowa	IDNR	430		6/1/2024	Collinsville
Kentucky	UST	0073		1/31/2023	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

Lab ID: 22070650-001

Client Sample ID: SS-68G74-1

Matrix: SOLID

Collection Date: 07/11/2022 18:44

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
ASTM D92								
Ignitability, Open Cup	*	60		>200	°F	1	07/18/2022 11:45	R314557
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		5.9	%	1	07/14/2022 12:37	R314486
SW-846 9045C								
pH (1:1)	NELAP	1.00		8.08		1	07/14/2022 16:45	R314444
SW-846 9095								
Paint Filter	NELAP	0		Pass	Pass/Fail	1	07/15/2022 09:50	R314484
SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP								
Arsenic	NELAP	0.250		< 0.250	mg/L	1	07/20/2022 12:35	194670
Barium	NELAP	0.450		1.03	mg/L	1	07/20/2022 12:35	194670
Cadmium	NELAP	0.0200		< 0.0200	mg/L	1	07/20/2022 12:35	194670
Chromium	NELAP	0.100		< 0.100	mg/L	1	07/20/2022 12:35	194670
Lead	NELAP	0.400		< 0.400	mg/L	1	07/20/2022 12:35	194670
Selenium	NELAP	0.500		< 0.500	mg/L	1	07/20/2022 12:35	194670
Silver	NELAP	0.0700		< 0.0700	mg/L	1	07/20/2022 12:35	194670
SW-846 1311, 7470A IN TCLP EXTRACT								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	07/18/2022 16:56	194586
SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS								
2,4,5-Trichlorophenol	NELAP	0.100		ND	mg/L	1	07/19/2022 11:15	194585
2,4,6-Trichlorophenol	NELAP	0.100		ND	mg/L	1	07/19/2022 11:15	194585
2,4-Dinitrotoluene	NELAP	0.100		ND	mg/L	1	07/19/2022 11:15	194585
Cresols, Total	NELAP	0.200		ND	mg/L	1	07/19/2022 11:15	194585
Hexachlorobenzene	NELAP	0.100		ND	mg/L	1	07/19/2022 11:15	194585
Hexachlorobutadiene	NELAP	0.100		ND	mg/L	1	07/19/2022 11:15	194585
Hexachloroethane	NELAP	0.100		ND	mg/L	1	07/19/2022 11:15	194585
m,p-Cresol	NELAP	0.100		ND	mg/L	1	07/19/2022 11:15	194585
Nitrobenzene	NELAP	0.100		ND	mg/L	1	07/19/2022 11:15	194585
o-Cresol	NELAP	0.100		ND	mg/L	1	07/19/2022 11:15	194585
Pentachlorophenol	NELAP	0.200		ND	mg/L	1	07/19/2022 11:15	194585
Pyridine	NELAP	0.200		ND	mg/L	1	07/19/2022 11:15	194585
Surr: 2,4,6-Tribromophenol	*	50.5-124		78.4	%REC	1	07/19/2022 11:15	194585
Surr: 2-Fluorobiphenyl	*	44.3-104		71.9	%REC	1	07/19/2022 11:15	194585
Surr: 2-Fluorophenol	*	30.2-83.3		55.3	%REC	1	07/19/2022 11:15	194585
Surr: Nitrobenzene-d5	*	34-108		65.3	%REC	1	07/19/2022 11:15	194585
Surr: Phenol-d5	*	23.2-62.1		42.3	%REC	1	07/19/2022 11:15	194585
Surr: p-Terphenyl-d14	*	38.5-117		88.5	%REC	1	07/19/2022 11:15	194585
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	39.6		ND	µg/Kg-dry	1	07/18/2022 17:08	194615
Aroclor 1221	NELAP	39.6		ND	µg/Kg-dry	1	07/18/2022 17:08	194615
Aroclor 1232	NELAP	39.6		ND	µg/Kg-dry	1	07/18/2022 17:08	194615
Aroclor 1242	NELAP	39.6		ND	µg/Kg-dry	1	07/18/2022 17:08	194615
Aroclor 1248	NELAP	39.6		ND	µg/Kg-dry	1	07/18/2022 17:08	194615
Aroclor 1254	NELAP	39.6		ND	µg/Kg-dry	1	07/18/2022 17:08	194615
Aroclor 1260	NELAP	39.6		ND	µg/Kg-dry	1	07/18/2022 17:08	194615
Surr: Decachlorobiphenyl	*	40.2-131		88.5	%REC	1	07/18/2022 17:08	194615
Surr: Tetrachloro-meta-xylene	*	39-122		93.3	%REC	1	07/18/2022 17:08	194615

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

Lab ID: 22070650-001

Client Sample ID: SS-68G74-1

Matrix: SOLID

Collection Date: 07/11/2022 18:44

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS								
1,1-Dichloroethene	NELAP	0.200		ND	mg/L	100	07/19/2022 12:35	194692
1,2-Dichloroethane	NELAP	0.200		ND	mg/L	100	07/19/2022 12:35	194692
1,4-Dichlorobenzene	NELAP	0.200		ND	mg/L	100	07/19/2022 12:35	194692
2-Butanone	NELAP	1.00		ND	mg/L	100	07/19/2022 12:35	194692
Benzene	NELAP	0.050		ND	mg/L	100	07/19/2022 12:35	194692
Carbon tetrachloride	NELAP	0.200		ND	mg/L	100	07/19/2022 12:35	194692
Chlorobenzene	NELAP	0.200		ND	mg/L	100	07/19/2022 12:35	194692
Chloroform	NELAP	0.200		ND	mg/L	100	07/19/2022 12:35	194692
Tetrachloroethene	NELAP	0.050		ND	mg/L	100	07/19/2022 12:35	194692
Trichloroethene	NELAP	0.200		ND	mg/L	100	07/19/2022 12:35	194692
Vinyl chloride	NELAP	0.200		ND	mg/L	100	07/19/2022 12:35	194692
Surr: 1,2-Dichloroethane-d4	*	80-120		97.5	%REC	100	07/19/2022 12:35	194692
Surr: 4-Bromofluorobenzene	*	80-120		89.4	%REC	100	07/19/2022 12:35	194692
Surr: Dibromofluoromethane	*	80-120		106.6	%REC	100	07/19/2022 12:35	194692
Surr: Toluene-d8	*	80-120		92.3	%REC	100	07/19/2022 12:35	194692

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

Lab ID: 22070650-002

Client Sample ID: SS-68G74-2

Matrix: SOLID

Collection Date: 07/11/2022 19:33

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
ASTM D92								
Ignitability, Open Cup	*	60		>200	°F	1	07/15/2022 10:43	R314507
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		14.9	%	1	07/14/2022 12:37	R314486
SW-846 9045C								
pH (1:1)	NELAP	1.00		7.70		1	07/14/2022 16:48	R314444
SW-846 9095								
Paint Filter	NELAP	0		Pass	Pass/Fail	1	07/15/2022 09:54	R314484
SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP								
Arsenic	NELAP	0.250		< 0.250	mg/L	1	07/20/2022 12:49	194670
Barium	NELAP	0.450		0.828	mg/L	1	07/20/2022 12:49	194670
Cadmium	NELAP	0.0200		< 0.0200	mg/L	1	07/20/2022 12:49	194670
Chromium	NELAP	0.100		< 0.100	mg/L	1	07/20/2022 12:49	194670
Lead	NELAP	0.400		< 0.400	mg/L	1	07/20/2022 12:49	194670
Selenium	NELAP	0.500		< 0.500	mg/L	1	07/20/2022 12:49	194670
Silver	NELAP	0.0700		< 0.0700	mg/L	1	07/20/2022 12:49	194670
SW-846 1311, 7470A IN TCLP EXTRACT								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	07/18/2022 17:03	194586
SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS								
2,4,5-Trichlorophenol	NELAP	0.100		ND	mg/L	1	07/19/2022 12:23	194585
2,4,6-Trichlorophenol	NELAP	0.100		ND	mg/L	1	07/19/2022 12:23	194585
2,4-Dinitrotoluene	NELAP	0.100		ND	mg/L	1	07/19/2022 12:23	194585
Cresols, Total	NELAP	0.200		ND	mg/L	1	07/19/2022 12:23	194585
Hexachlorobenzene	NELAP	0.100		ND	mg/L	1	07/19/2022 12:23	194585
Hexachlorobutadiene	NELAP	0.100		ND	mg/L	1	07/19/2022 12:23	194585
Hexachloroethane	NELAP	0.100		ND	mg/L	1	07/19/2022 12:23	194585
m,p-Cresol	NELAP	0.100		ND	mg/L	1	07/19/2022 12:23	194585
Nitrobenzene	NELAP	0.100		ND	mg/L	1	07/19/2022 12:23	194585
o-Cresol	NELAP	0.100		ND	mg/L	1	07/19/2022 12:23	194585
Pentachlorophenol	NELAP	0.200		ND	mg/L	1	07/19/2022 12:23	194585
Pyridine	NELAP	0.200		ND	mg/L	1	07/19/2022 12:23	194585
Surr: 2,4,6-Tribromophenol	*	50.5-124		75.5	%REC	1	07/19/2022 12:23	194585
Surr: 2-Fluorobiphenyl	*	44.3-104		71.6	%REC	1	07/19/2022 12:23	194585
Surr: 2-Fluorophenol	*	30.2-83.3		49.0	%REC	1	07/19/2022 12:23	194585
Surr: Nitrobenzene-d5	*	34-108		65.2	%REC	1	07/19/2022 12:23	194585
Surr: Phenol-d5	*	23.2-62.1		39.1	%REC	1	07/19/2022 12:23	194585
Surr: p-Terphenyl-d14	*	38.5-117		66.8	%REC	1	07/19/2022 12:23	194585
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	43.7		ND	µg/Kg-dry	1	07/18/2022 17:25	194615
Aroclor 1221	NELAP	43.7		ND	µg/Kg-dry	1	07/18/2022 17:25	194615
Aroclor 1232	NELAP	43.7		ND	µg/Kg-dry	1	07/18/2022 17:25	194615
Aroclor 1242	NELAP	43.7		ND	µg/Kg-dry	1	07/18/2022 17:25	194615
Aroclor 1248	NELAP	43.7		ND	µg/Kg-dry	1	07/18/2022 17:25	194615
Aroclor 1254	NELAP	43.7		ND	µg/Kg-dry	1	07/18/2022 17:25	194615
Aroclor 1260	NELAP	43.7		ND	µg/Kg-dry	1	07/18/2022 17:25	194615
Surr: Decachlorobiphenyl	*	40.2-131		78.1	%REC	1	07/18/2022 17:25	194615
Surr: Tetrachloro-meta-xylene	*	39-122		90.5	%REC	1	07/18/2022 17:25	194615

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

Lab ID: 22070650-002

Client Sample ID: SS-68G74-2

Matrix: SOLID

Collection Date: 07/11/2022 19:33

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS								
1,1-Dichloroethene	NELAP	0.200		ND	mg/L	100	07/19/2022 13:02	194692
1,2-Dichloroethane	NELAP	0.200		ND	mg/L	100	07/19/2022 13:02	194692
1,4-Dichlorobenzene	NELAP	0.200		ND	mg/L	100	07/19/2022 13:02	194692
2-Butanone	NELAP	1.00		ND	mg/L	100	07/19/2022 13:02	194692
Benzene	NELAP	0.050		ND	mg/L	100	07/19/2022 13:02	194692
Carbon tetrachloride	NELAP	0.200		ND	mg/L	100	07/19/2022 13:02	194692
Chlorobenzene	NELAP	0.200		ND	mg/L	100	07/19/2022 13:02	194692
Chloroform	NELAP	0.200		ND	mg/L	100	07/19/2022 13:02	194692
Tetrachloroethene	NELAP	0.050		ND	mg/L	100	07/19/2022 13:02	194692
Trichloroethene	NELAP	0.200		ND	mg/L	100	07/19/2022 13:02	194692
Vinyl chloride	NELAP	0.200		ND	mg/L	100	07/19/2022 13:02	194692
Surr: 1,2-Dichloroethane-d4	*	80-120		99.6	%REC	100	07/19/2022 13:02	194692
Surr: 4-Bromofluorobenzene	*	80-120		89.5	%REC	100	07/19/2022 13:02	194692
Surr: Dibromofluoromethane	*	80-120		105.7	%REC	100	07/19/2022 13:02	194692
Surr: Toluene-d8	*	80-120		92.7	%REC	100	07/19/2022 13:02	194692

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

Lab ID: 22070650-003

Client Sample ID: SS-68G74-3

Matrix: SOLID

Collection Date: 07/11/2022 19:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
ASTM D92								
Ignitability, Open Cup	*	60		>200	°F	1	07/18/2022 11:56	R314557
EPA SW846 3550B, 5035A, ASTM D2974								
Percent Moisture	*	0.1		9.8	%	1	07/14/2022 12:37	R314486
SW-846 9045C								
pH (1:1)	NELAP	1.00		7.97		1	07/14/2022 16:52	R314444
SW-846 9095								
Paint Filter	NELAP	0		Pass	Pass/Fail	1	07/15/2022 09:58	R314484
SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP								
Arsenic	NELAP	0.250		< 0.250	mg/L	1	07/20/2022 12:50	194670
Barium	NELAP	0.450		1.04	mg/L	1	07/20/2022 12:50	194670
Cadmium	NELAP	0.0200		< 0.0200	mg/L	1	07/20/2022 12:50	194670
Chromium	NELAP	0.100		< 0.100	mg/L	1	07/20/2022 12:50	194670
Lead	NELAP	0.400		< 0.400	mg/L	1	07/20/2022 12:50	194670
Selenium	NELAP	0.500		< 0.500	mg/L	1	07/20/2022 12:50	194670
Silver	NELAP	0.0700		< 0.0700	mg/L	1	07/20/2022 12:50	194670
SW-846 1311, 7470A IN TCLP EXTRACT								
Mercury	NELAP	0.00020		< 0.00020	mg/L	1	07/18/2022 17:09	194586
SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS								
2,4,5-Trichlorophenol	NELAP	0.100		ND	mg/L	1	07/19/2022 12:57	194585
2,4,6-Trichlorophenol	NELAP	0.100		ND	mg/L	1	07/19/2022 12:57	194585
2,4-Dinitrotoluene	NELAP	0.100		ND	mg/L	1	07/19/2022 12:57	194585
Cresols, Total	NELAP	0.200		ND	mg/L	1	07/19/2022 12:57	194585
Hexachlorobenzene	NELAP	0.100		ND	mg/L	1	07/19/2022 12:57	194585
Hexachlorobutadiene	NELAP	0.100		ND	mg/L	1	07/19/2022 12:57	194585
Hexachloroethane	NELAP	0.100		ND	mg/L	1	07/19/2022 12:57	194585
m,p-Cresol	NELAP	0.100		ND	mg/L	1	07/19/2022 12:57	194585
Nitrobenzene	NELAP	0.100		ND	mg/L	1	07/19/2022 12:57	194585
o-Cresol	NELAP	0.100		ND	mg/L	1	07/19/2022 12:57	194585
Pentachlorophenol	NELAP	0.200		ND	mg/L	1	07/19/2022 12:57	194585
Pyridine	NELAP	0.200		ND	mg/L	1	07/19/2022 12:57	194585
Surr: 2,4,6-Tribromophenol	*	50.5-124		77.3	%REC	1	07/19/2022 12:57	194585
Surr: 2-Fluorobiphenyl	*	44.3-104		75.9	%REC	1	07/19/2022 12:57	194585
Surr: 2-Fluorophenol	*	30.2-83.3		54.8	%REC	1	07/19/2022 12:57	194585
Surr: Nitrobenzene-d5	*	34-108		68.3	%REC	1	07/19/2022 12:57	194585
Surr: Phenol-d5	*	23.2-62.1		43.2	%REC	1	07/19/2022 12:57	194585
Surr: p-Terphenyl-d14	*	38.5-117		69.0	%REC	1	07/19/2022 12:57	194585
SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD								
Aroclor 1016	NELAP	41.8		ND	µg/Kg-dry	1	07/18/2022 17:42	194615
Aroclor 1221	NELAP	41.8		ND	µg/Kg-dry	1	07/18/2022 17:42	194615
Aroclor 1232	NELAP	41.8		ND	µg/Kg-dry	1	07/18/2022 17:42	194615
Aroclor 1242	NELAP	41.8		ND	µg/Kg-dry	1	07/18/2022 17:42	194615
Aroclor 1248	NELAP	41.8		ND	µg/Kg-dry	1	07/18/2022 17:42	194615
Aroclor 1254	NELAP	41.8		ND	µg/Kg-dry	1	07/18/2022 17:42	194615
Aroclor 1260	NELAP	41.8		ND	µg/Kg-dry	1	07/18/2022 17:42	194615
Surr: Decachlorobiphenyl	*	40.2-131		79.7	%REC	1	07/18/2022 17:42	194615
Surr: Tetrachloro-meta-xylene	*	39-122		103.0	%REC	1	07/18/2022 17:42	194615

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

Lab ID: 22070650-003

Client Sample ID: SS-68G74-3

Matrix: SOLID

Collection Date: 07/11/2022 19:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS								
1,1-Dichloroethene	NELAP	0.200		ND	mg/L	100	07/19/2022 13:28	194692
1,2-Dichloroethane	NELAP	0.200		ND	mg/L	100	07/19/2022 13:28	194692
1,4-Dichlorobenzene	NELAP	0.200		ND	mg/L	100	07/19/2022 13:28	194692
2-Butanone	NELAP	1.00		ND	mg/L	100	07/19/2022 13:28	194692
Benzene	NELAP	0.050		ND	mg/L	100	07/19/2022 13:28	194692
Carbon tetrachloride	NELAP	0.200		ND	mg/L	100	07/19/2022 13:28	194692
Chlorobenzene	NELAP	0.200		ND	mg/L	100	07/19/2022 13:28	194692
Chloroform	NELAP	0.200		ND	mg/L	100	07/19/2022 13:28	194692
Tetrachloroethene	NELAP	0.050		ND	mg/L	100	07/19/2022 13:28	194692
Trichloroethene	NELAP	0.200		ND	mg/L	100	07/19/2022 13:28	194692
Vinyl chloride	NELAP	0.200		ND	mg/L	100	07/19/2022 13:28	194692
Surr: 1,2-Dichloroethane-d4	*	80-120		100.4	%REC	100	07/19/2022 13:28	194692
Surr: 4-Bromofluorobenzene	*	80-120		91.6	%REC	100	07/19/2022 13:28	194692
Surr: Dibromofluoromethane	*	80-120		106.9	%REC	100	07/19/2022 13:28	194692
Surr: Toluene-d8	*	80-120		92.7	%REC	100	07/19/2022 13:28	194692



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

ASTM D92

Batch R314507		SampType: DUP		Units °F				RPD Limit 5			
SampID: 22070649-003ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Ignitability, Open Cup		*	60		>200				0	0.00	07/15/2022

Batch R314507		SampType: DUP		Units °F				RPD Limit 5			
SampID: 22070665-008ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Ignitability, Open Cup		*	60		>200				0	0.00	07/15/2022

Batch R314507		SampType: DUP		Units °F				RPD Limit 5			Date Analyzed	
SampID: 22070930-001ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Ignitability, Open Cup		*	60		>200				0	0.00		

Batch R314557		SampType: DUP		Units °F				RPD Limit 5				Date Analyzed
SampID: 22070782-001CDUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Ignitability, Open Cup		*	60		>200				0	0.00		

Batch R314557		SampType: DUP		Units °F				RPD Limit 5			Date Analyzed
SampID: 22070932-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Ignitability, Open Cup		*	60		>200				0	0.00	

EPA SW846 3550B, 5035A, ASTM D2974

Batch R314486		SampType: LCS		Units %							
SampID: LCS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Percent Moisture	*	0.1		99.0	99.00	0	100.0	90	110	07/14/2022	

Batch R314486		SampType: LCSQC		Units %							
SampID: LCSQC											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Percent Moisture		*	0.1		99.0	99.00	0	100.0	90	110	07/14/2022



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 9045C

Batch R314444		SampType: LCS		Units						
SampID: LCS-R314444										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
pH (1:1)		1.00		6.98	7.000	0	99.7	99.1	100.8	07/14/2022

Batch R314444		SampType: DUP		Units				RPD Limit 10			
SampID: 22070650-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		8.27				8.080	2.32	07/14/2022

Batch R314444		SampType: DUP		Units				RPD Limit 10			
SampID: 22070650-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		7.67				7.700	0.39	07/14/2022

Batch R314444		SampType: DUP		Units				RPD Limit 10				Date Analyzed
SampID: 22070650-003ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
pH (1:1)			1.00		7.91				7.970	0.76		
07/14/2022												

Batch R314444		SampType: DUP		Units				RPD Limit 10				Date Analyzed
SampID: 22070649-001ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
pH (1:1)			1.00		7.40				7.760	4.75		
07/14/2022												

Batch R314444		SampType: DUP		Units				RPD Limit 10				Date Analyzed
SampID: 22070649-002ADUP												
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
pH (1:1)			1.00		7.70				7.640	0.78		
07/14/2022												

Batch R314444		SampType: DUP		Units				RPD Limit 10			
SampID: 22070649-003ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		8.05				7.960	1.12	07/14/2022

Batch R314444		SampType: DUP		Units				RPD Limit 10			
SampID: 22070649-004ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		7.79				7.940	1.91	07/14/2022



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 9045C

Batch R314444		SampType: DUP		Units				RPD Limit 10			
SampID: 22070649-005ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
pH (1:1)		1.00		8.45				8.470	0.24	07/14/2022	

Batch R314444		SampType: DUP		Units				RPD Limit 10			
SampID: 22070651-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		8.60				8.570	0.35	07/14/2022

Batch R314444		SampType: DUP		Units				RPD Limit 10			
SampID: 22070651-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		8.37				8.250	1.44	07/14/2022

Batch R314444		SampType: DUP		Units				RPD Limit 10			
SampID: 22070651-003ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		8.39				8.430	0.48	07/14/2022

Batch R314444		SampType: DUP		Units				RPD Limit 10			
SampID: 22070651-004ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		8.42				8.350	0.83	07/14/2022

Batch R314444		SampType: DUP		Units				RPD Limit 10			
SampID: 22070665-001ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		7.56				7.530	0.40	07/14/2022

Batch R314444		SampType: DUP		Units				RPD Limit 10			
SampID: 22070665-002ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
pH (1:1)		1.00		8.41				8.580	2.00	07/14/2022	

Batch R314444		SampType: DUP		Units				RPD Limit 10			
SampID: 22070665-003ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		8.67				8.850	2.05	07/14/2022



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 9045C

Batch R314444		SampType: DUP		Units				RPD Limit 10			
SampID: 22070665-004ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
pH (1:1)		1.00		8.53				8.700	1.97	07/14/2022	

Batch R314444		SampType: DUP		Units				RPD Limit 10			
SampID: 22070665-005ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
pH (1:1)		1.00		8.79				8.720	0.80	07/14/2022	

Batch R314444		SampType: DUP		Units				RPD Limit 10			
SampID: 22070665-006ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		8.63				8.460	1.99	07/14/2022

Batch R314444		SampType: DUP		Units				RPD Limit 10			
SampID: 22070665-007ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
pH (1:1)			1.00		9.14				9.180	0.44	07/14/2022

SW-846 9095

Batch R314484		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 22070650-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Paint Filter		0		Pass				0	0.00	07/15/2022	

Batch R314484		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 22070650-002ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Paint Filter		0		Pass				0	0.00	07/15/2022	

Batch R314484		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 22070650-003ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Paint Filter			0		Pass				0	0.00	07/15/2022



Quality Control Results

<http://www.teklabinc.com/>

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 9095

Batch R314484		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 22070622-001BDUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Paint Filter		0		Pass				0	0.00	07/15/2022	

Batch R314484		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 22070622-002BDUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Paint Filter		0		Pass				0	0.00	07/15/2022	

Batch R314484		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 22070622-003BDUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Paint Filter		0		Pass				0	0.00	07/15/2022	

Batch R314484		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 22070624-016ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Paint Filter			0		Pass				0	0.00	07/15/2022

Batch R314484		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 22070649-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Paint Filter		0		Pass				0	0.00	07/15/2022	

Batch R314484		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 22070649-002ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Paint Filter			0		Pass				0	0.00	07/15/2022

Batch R314484		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 22070649-003ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Paint Filter		0		Pass				0	0.00	07/15/2022	

Batch R314484		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 22070649-004ADUP											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Paint Filter			0		Pass				0	0.00	07/15/2022



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 9095

Batch R314484		SampType: DUP		Units		Pass/Fail		RPD Limit 0			Date Analyzed
SampID: 22070649-005ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Paint Filter		0		Pass				0	0.00		07/15/2022

Batch R314484		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 22070651-001ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Paint Filter		0		Pass				0	0.00	07/15/2022	

Batch R314484		SampType: DUP		Units		Pass/Fail		RPD Limit 0			Date Analyzed
SampID: 22070651-002ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Paint Filter		0		Pass				0	0.00		07/15/2022

Batch R314484		SampType: DUP		Units		Pass/Fail		RPD Limit 0			Date Analyzed
SampID: 22070651-003ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Paint Filter		0		Pass				0	0.00		07/15/2022

Batch R314484		SampType: DUP		Units		Pass/Fail		RPD Limit 0			
SampID: 22070651-004ADUP											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed	
Paint Filter		0		Pass				0	0.00	07/15/2022	

SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP

Batch 194670		SampType: MBLK		Units mg/L							
SampID: MBLK-194670											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Arsenic		0.250		< 0.250	0.0870	0	0	-100	100	07/20/2022	
Barium		0.450		< 0.450	0.1500	0	0	-100	100	07/20/2022	
Cadmium		0.0200		< 0.0200	0.0050	0	0	-100	100	07/20/2022	
Chromium		0.100		< 0.100	0.0340	0	0	-100	100	07/20/2022	
Lead		0.400		< 0.400	0.0400	0	0	-100	100	07/20/2022	
Selenium		0.500		< 0.500	0.1700	0	0	-100	100	07/20/2022	
Silver		0.0700		< 0.0700	0.0270	0	0	-100	100	07/20/2022	



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP

Batch 194670		SampType: LCS		Units mg/L						
SampID: LCS-194670										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.250		4.73	5.000	0	94.5	85	115	07/20/2022
Barium		0.450		17.9	20.00	0	89.7	85	115	07/20/2022
Cadmium		0.0200		0.467	0.5000	0	93.4	85	115	07/20/2022
Chromium		0.100		1.80	2.000	0	89.8	85	115	07/20/2022
Lead		0.400		4.56	5.000	0	91.2	85	115	07/20/2022
Selenium		0.500		4.51	5.000	0	90.2	85	115	07/20/2022
Silver		0.0700		0.449	0.5000	0	89.8	85	115	07/20/2022

Batch 194670		SampType: MS		Units mg/L						
SampID: 22070649-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.250		4.74	5.000	0	94.7	75	125	07/20/2022
Barium		0.450		18.3	20.00	0.6160	88.6	75	125	07/20/2022
Cadmium		0.0200		0.460	0.5000	0	92.0	75	125	07/20/2022
Chromium		0.100		1.79	2.000	0	89.7	75	125	07/20/2022
Lead		0.400		4.52	5.000	0	90.3	75	125	07/20/2022
Selenium		0.500		4.51	5.000	0	90.3	75	125	07/20/2022
Silver		0.0700		0.448	0.5000	0	89.6	75	125	07/20/2022

Batch 194670		SampType: MSD		Units mg/L					RPD Limit 20		Date Analyzed
SampID: 22070649-003AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
Arsenic		0.250		4.77	5.000	0	95.4	4.735	0.69	07/20/2022	
Barium		0.450		18.2	20.00	0.6160	88.0	18.33	0.59	07/20/2022	
Cadmium		0.0200		0.477	0.5000	0	95.4	0.4600	3.63	07/20/2022	
Chromium		0.100		1.81	2.000	0	90.4	1.793	0.83	07/20/2022	
Lead		0.400		4.54	5.000	0	90.7	4.516	0.44	07/20/2022	
Selenium		0.500		4.47	5.000	0	89.3	4.513	1.02	07/20/2022	
Silver		0.0700		0.453	0.5000	0	90.6	0.4480	1.11	07/20/2022	



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 1311, 3010A, 6010B, METALS IN TCLP EXTRACT BY ICP

Batch 194670		SampType: MS		Units mg/L						
SampID: 22070650-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.250		5.20	5.000	0	104.0	75	125	07/20/2022
Barium		0.450		21.3	20.00	1.028	101.4	75	125	07/20/2022
Cadmium		0.0200		0.523	0.5000	0	104.6	75	125	07/20/2022
Chromium		0.100		1.98	2.000	0	99.0	75	125	07/20/2022
Lead		0.400		5.00	5.000	0	99.9	75	125	07/20/2022
Selenium		0.500		4.87	5.000	0	97.5	75	125	07/20/2022
Silver		0.0700		0.484	0.5000	0	96.8	75	125	07/20/2022

Batch 194670		SampType: MS		Units mg/L						
SampID: 22070651-003AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.250		5.11	5.000	0	102.2	75	125	07/20/2022
Barium		0.450		20.9	20.00	0.8820	100.1	75	125	07/20/2022
Cadmium		0.0200		0.500	0.5000	0	100.0	75	125	07/20/2022
Chromium		0.100		1.95	2.000	0	97.6	75	125	07/20/2022
Lead		0.400		4.89	5.000	0	97.9	75	125	07/20/2022
Selenium		0.500		4.76	5.000	0	95.3	75	125	07/20/2022
Silver		0.0700		0.479	0.5000	0	95.8	75	125	07/20/2022

Batch 194670		SampType: MS		Units mg/L						
SampID: 22070733-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.250		5.03	5.000	0	100.6	75	125	07/20/2022
Barium		0.450		24.1	20.00	4.062	100.2	75	125	07/20/2022
Cadmium		0.0200		0.491	0.5000	0	98.2	75	125	07/20/2022
Chromium		0.100		2.00	2.000	0.08500	95.6	75	125	07/20/2022
Lead		0.400		4.82	5.000	0	96.4	75	125	07/20/2022
Selenium		0.500		4.78	5.000	0	95.5	75	125	07/20/2022
Silver		0.0700		0.466	0.5000	0	93.2	75	125	07/20/2022

SW-846 1311, 7470A IN TCLP EXTRACT

Batch 194586		SampType: MBLK		Units mg/L							
SampID: MBLK-194586											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
Mercury		0.00020		< 0.00020	0.0001	0	0	-100	100	07/18/2022	



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 1311, 7470A IN TCLP EXTRACT

Batch 194586 SampType: LCS Units mg/L

SampID: LCS-194586

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00517	0.0050	0	103.4	85	115	07/18/2022

Batch 194586 SampType: MS Units mg/L

SampID: 22070649-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00522	0.0050	0	104.4	75	125	07/18/2022

Batch 194586 SampType: MS Units mg/L

SampID: 22070649-005AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00507	0.0050	0	101.4	75	125	07/18/2022

Batch 194586 SampType: MS Units mg/L

SampID: 22070650-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00523	0.0050	0	104.6	75	125	07/18/2022

Batch 194586 SampType: MSD Units mg/L

RPD Limit 15

SampID: 22070650-002AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00519	0.0050	0	103.8	0.005231	0.78	07/18/2022

Batch 194586 SampType: MS Units mg/L

SampID: 22070651-003AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00512	0.0050	0	102.4	75	125	07/18/2022

Batch 194586 SampType: MSD Units mg/L

RPD Limit 15

SampID: 22070651-003AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		0.00516	0.0050	0	103.2	0.005122	0.75	07/18/2022

Batch 194586 SampType: MS Units mg/L

SampID: 22070665-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00523	0.0050	0	104.6	75	125	07/18/2022



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 1311, 7470A IN TCLP EXTRACT

Batch 194586 SampType: MS Units mg/L

SampID: 22070665-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00531	0.0050	0	106.2	75	125	07/18/2022

Batch 194586 SampType: MS Units mg/L

SampID: 22070733-001AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		0.00530	0.0050	0	106.1	75	125	07/18/2022

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 194585 SampType: MBLK Units mg/L

SampID: MBLK-194585

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
2,4,5-Trichlorophenol		0.010		ND						07/15/2022
2,4,6-Trichlorophenol		0.010		ND						07/15/2022
2,4-Dinitrotoluene		0.010		ND						07/15/2022
Hexachlorobenzene		0.010		ND						07/15/2022
Hexachlorobutadiene		0.010		ND						07/15/2022
Hexachloroethane		0.010		ND						07/15/2022
m,p-Cresol		0.010		ND						07/15/2022
Nitrobenzene		0.010		ND						07/15/2022
o-Cresol		0.010		ND						07/15/2022
Pentachlorophenol		0.020		ND						07/15/2022
Pyridine		0.020		ND						07/15/2022
Surr: 2,4,6-Tribromophenol	*			0.044	0.0500		88.5	55.2	117	07/15/2022
Surr: 2-Fluorobiphenyl	*			0.022	0.0250		86.4	51.7	106	07/15/2022
Surr: 2-Fluorophenol	*			0.033	0.0500		65.2	37.9	84.1	07/15/2022
Surr: Nitrobenzene-d5	*			0.019	0.0250		77.4	45.6	104	07/15/2022
Surr: Phenol-d5	*			0.025	0.0500		50.5	24.3	66.8	07/15/2022
Surr: p-Terphenyl-d14	*			0.025	0.0250		101.0	44.2	118	07/15/2022



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 194585		SampType: LCS		Units mg/L							Date Analyzed	
SampID: LCS-194585												
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit			
2,4,5-Trichlorophenol		0.010		0.042	0.0500	0	84.3	58.3	107			
2,4,6-Trichlorophenol		0.010		0.041	0.0500	0	82.0	54.6	111			
2,4-Dinitrotoluene		0.010		0.046	0.0500	0	91.7	53.4	127			
Hexachlorobenzene		0.010		0.044	0.0500	0	88.1	49.9	125			
Hexachlorobutadiene		0.010		0.035	0.0500	0	70.3	47.5	113			
Hexachloroethane		0.010		0.034	0.0500	0	67.4	50	102			
m,p-Cresol		0.010		0.039	0.0500	0	78.4	41.8	97			
Nitrobenzene		0.010		0.042	0.0500	0	83.1	59.7	106			
o-Cresol		0.010		0.042	0.0500	0	84.1	48.8	104			
Pentachlorophenol		0.020		0.031	0.0500	0	61.1	48.9	89			
Pyridine		0.020		ND	0.0500	0	31.0	23.6	72.1			
Surr: 2,4,6-Tribromophenol	*			0.042	0.0500		84.8	55.2	117			
Surr: 2-Fluorobiphenyl	*			0.020	0.0250		81.6	51.7	106			
Surr: 2-Fluorophenol	*			0.030	0.0500		60.4	37.9	84.1			
Surr: Nitrobenzene-d5	*			0.022	0.0250		86.3	45.6	104			
Surr: Phenol-d5	*			0.024	0.0500		47.2	24.3	66.8			
Surr: p-Terphenyl-d14	*			0.024	0.0250		94.6	44.2	118			

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 194585		SampType: LCSD		Units mg/L				RPD Limit 40		
SampID: LCSD-194585										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
2,4,5-Trichlorophenol		0.010		0.046	0.0500	0	92.6	0.04214	9.45	07/15/2022
2,4,6-Trichlorophenol		0.010		0.045	0.0500	0	89.4	0.04101	8.59	07/15/2022
2,4-Dinitrotoluene		0.010		0.051	0.0500	0	101.9	0.04584	10.56	07/15/2022
Hexachlorobenzene		0.010		0.049	0.0500	0	98.5	0.04405	11.13	07/15/2022
Hexachlorobutadiene		0.010		0.043	0.0500	0	86.9	0.03517	21.02	07/15/2022
Hexachloroethane		0.010		0.041	0.0500	0	82.5	0.03369	20.22	07/15/2022
m,p-Cresol		0.010		0.044	0.0500	0	88.6	0.03921	12.19	07/15/2022
Nitrobenzene		0.010		0.046	0.0500	0	92.8	0.04156	11.03	07/15/2022
o-Cresol		0.010		0.047	0.0500	0	94.9	0.04204	12.09	07/15/2022
Pentachlorophenol		0.020		0.035	0.0500	0	69.0	0.03057	12.14	07/15/2022
Pyridine		0.020	R	0.031	0.0500	0	62.4	0.01552	67.09	07/15/2022
Surr: 2,4,6-Tribromophenol	*			0.045	0.0500		90.5			07/15/2022
Surr: 2-Fluorobiphenyl	*			0.022	0.0250		88.4			07/15/2022
Surr: 2-Fluorophenol	*			0.034	0.0500		67.7			07/15/2022
Surr: Nitrobenzene-d5	*			0.024	0.0250		96.0			07/15/2022
Surr: Phenol-d5	*			0.027	0.0500		53.0			07/15/2022
Surr: p-Terphenyl-d14	*			0.025	0.0250		100.9			07/15/2022



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 194585 SampType: MS Units mg/L

SampleID: 22070649-002AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
2,4,5-Trichlorophenol		0.100		0.433	0.5000	0	86.6	48.8	135	07/15/2022
2,4,6-Trichlorophenol		0.100		0.418	0.5000	0	83.5	49.1	133	07/15/2022
2,4-Dinitrotoluene		0.100		0.473	0.5000	0	94.6	57.2	125	07/15/2022
Hexachlorobenzene		0.100		0.456	0.5000	0	91.2	53.3	118	07/15/2022
Hexachlorobutadiene		0.100		0.361	0.5000	0	72.2	36.1	121	07/15/2022
Hexachloroethane		0.100		0.347	0.5000	0	69.3	39.9	102	07/15/2022
m,p-Cresol		0.100		0.403	0.5000	0	80.7	47.1	101	07/15/2022
Nitrobenzene		0.100		0.434	0.5000	0	86.9	48.5	108	07/15/2022
o-Cresol		0.100		0.433	0.5000	0	86.6	45.8	106	07/15/2022
Pentachlorophenol		0.200		0.333	0.5000	0	66.5	33.1	125	07/15/2022
Pyridine		0.200		0.242	0.5000	0	48.5	23.2	79.4	07/15/2022
Cresols, Total		0.200		0.836	1.000	0	83.6	45.8	104	07/15/2022
Surr: 2,4,6-Tribromophenol	*			0.427	0.5000		85.4	50.5	124	07/15/2022
Surr: 2-Fluorobiphenyl	*			0.204	0.2500		81.5	44.3	104	07/15/2022
Surr: 2-Fluorophenol	*			0.309	0.5000		61.8	30.2	83.3	07/15/2022
Surr: Nitrobenzene-d5	*			0.220	0.2500		87.9	34	108	07/15/2022
Surr: Phenol-d5	*			0.242	0.5000		48.3	23.2	62.1	07/15/2022
Surr: p-Terphenyl-d14	*			0.226	0.2500		90.4	38.5	117	07/15/2022

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 194585		SampType: MSD		Units mg/L		RPD Limit 40				
SampleID: 22070649-002AMSD										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
2,4,5-Trichlorophenol		0.100		0.462	0.5000	0	92.3	0.4330	6.42	07/15/2022
2,4,6-Trichlorophenol		0.100		0.439	0.5000	0	87.8	0.4176	4.95	07/15/2022
2,4-Dinitrotoluene		0.100		0.493	0.5000	0	98.7	0.4729	4.22	07/15/2022
Hexachlorobenzene		0.100		0.466	0.5000	0	93.1	0.4559	2.11	07/15/2022
Hexachlorobutadiene		0.100		0.413	0.5000	0	82.7	0.3610	13.51	07/15/2022
Hexachloroethane		0.100		0.378	0.5000	0	75.6	0.3467	8.69	07/15/2022
m,p-Cresol		0.100		0.427	0.5000	0	85.4	0.4033	5.76	07/15/2022
Nitrobenzene		0.100		0.456	0.5000	0	91.2	0.4345	4.78	07/15/2022
o-Cresol		0.100		0.454	0.5000	0	90.7	0.4331	4.62	07/15/2022
Pentachlorophenol		0.200		0.343	0.5000	0	68.6	0.3326	3.08	07/15/2022
Pyridine		0.200		0.216	0.5000	0	43.1	0.2424	11.75	07/15/2022
Cresols, Total		0.200		0.881	1.000	0	88.1	0.8364	5.17	07/15/2022
Surr: 2,4,6-Tribromophenol	*			0.446	0.5000		89.1			07/15/2022
Surr: 2-Fluorobiphenyl	*			0.220	0.2500		87.9			07/15/2022
Surr: 2-Fluorophenol	*			0.327	0.5000		65.3			07/15/2022
Surr: Nitrobenzene-d5	*			0.235	0.2500		94.0			07/15/2022
Surr: Phenol-d5	*			0.260	0.5000		52.1			07/15/2022
Surr: p-Terphenyl-d14	*			0.223	0.2500		89.1			07/15/2022

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 194585		SampType: MS		Units mg/L						
SampleID: 22070649-005AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
2,4,5-Trichlorophenol		0.100		0.429	0.5000	0	85.7	48.8	135	07/16/2022
2,4,6-Trichlorophenol		0.100		0.411	0.5000	0	82.2	49.1	133	07/16/2022
2,4-Dinitrotoluene		0.100		0.462	0.5000	0	92.5	57.2	125	07/16/2022
Hexachlorobenzene		0.100		0.441	0.5000	0	88.1	53.3	118	07/16/2022
Hexachlorobutadiene		0.100		0.381	0.5000	0	76.3	36.1	121	07/16/2022
Hexachloroethane		0.100		0.359	0.5000	0	71.8	39.9	102	07/16/2022
m,p-Cresol		0.100		0.400	0.5000	0	80.0	47.1	101	07/16/2022
Nitrobenzene		0.100		0.428	0.5000	0	85.5	48.5	108	07/16/2022
o-Cresol		0.100		0.428	0.5000	0	85.7	45.8	106	07/16/2022
Pentachlorophenol		0.200		0.318	0.5000	0	63.5	33.1	125	07/16/2022
Pyridine		0.200		ND	0.5000	0	35.5	23.2	79.4	07/16/2022
Cresols, Total		0.200		0.828	1.000	0	82.8	45.8	104	07/16/2022
Surr: 2,4,6-Tribromophenol	*			0.415	0.5000		82.9	50.5	124	07/16/2022
Surr: 2-Fluorobiphenyl	*			0.202	0.2500		80.8	44.3	104	07/16/2022
Surr: 2-Fluorophenol	*			0.303	0.5000		60.7	30.2	83.3	07/16/2022
Surr: Nitrobenzene-d5	*			0.218	0.2500		87.2	34	108	07/16/2022
Surr: Phenol-d5	*			0.238	0.5000		47.7	23.2	62.1	07/16/2022
Surr: p-Terphenyl-d14	*			0.209	0.2500		83.6	38.5	117	07/16/2022



Quality Control Results

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Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 194585		SampType: MS		Units mg/L							Date Analyzed
SampleID: 22070650-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
2,4,5-Trichlorophenol		0.100		0.418	0.5000	0	83.6	51.8	109	07/19/2022	
2,4,6-Trichlorophenol		0.100		0.411	0.5000	0	82.2	53.3	105	07/19/2022	
2,4-Dinitrotoluene		0.100		0.450	0.5000	0	89.9	48.7	120	07/19/2022	
Hexachlorobenzene		0.100		0.427	0.5000	0	85.4	53.1	114	07/19/2022	
Hexachlorobutadiene		0.100		0.372	0.5000	0	74.4	40.9	106	07/19/2022	
Hexachloroethane		0.100		0.369	0.5000	0	73.9	36.8	105	07/19/2022	
m,p-Cresol		0.100		0.394	0.5000	0	78.7	42	99.3	07/19/2022	
Nitrobenzene		0.100		0.413	0.5000	0	82.6	48.8	110	07/19/2022	
o-Cresol		0.100		0.424	0.5000	0	84.7	47.2	105	07/19/2022	
Pentachlorophenol		0.200		0.298	0.5000	0	59.7	40.3	91.7	07/19/2022	
Pyridine		0.200		ND	0.5000	0	26.3	16	84.5	07/19/2022	
Cresols, Total		0.200		0.817	1.000	0	81.7	45.7	102	07/19/2022	
Surr: 2,4,6-Tribromophenol	*			0.393	0.5000		78.7	50.5	124	07/19/2022	
Surr: 2-Fluorobiphenyl	*			0.193	0.2500		77.0	44.3	104	07/19/2022	
Surr: 2-Fluorophenol	*			0.296	0.5000		59.2	30.2	83.3	07/19/2022	
Surr: Nitrobenzene-d5	*			0.208	0.2500		83.2	34	108	07/19/2022	
Surr: Phenol-d5	*			0.231	0.5000		46.3	23.2	62.1	07/19/2022	
Surr: p-Terphenyl-d14	*			0.211	0.2500		84.3	38.5	117	07/19/2022	

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 1311, 3510C, 8270C, SEMI-VOLATILES IN TCLP EXTRACT BY GC/MS

Batch 194585		SampType: MS		Units mg/L						
SampID: 22070651-001AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
2,4,5-Trichlorophenol		0.100		0.397	0.5000	0	79.4	51.8	109	07/19/2022
2,4,6-Trichlorophenol		0.100		0.390	0.5000	0	77.9	53.3	105	07/19/2022
2,4-Dinitrotoluene		0.100		0.426	0.5000	0	85.3	48.7	120	07/19/2022
Hexachlorobenzene		0.100		0.404	0.5000	0	80.7	53.1	114	07/19/2022
Hexachlorobutadiene		0.100		0.364	0.5000	0	72.7	40.9	106	07/19/2022
Hexachloroethane		0.100		0.355	0.5000	0	70.9	36.8	105	07/19/2022
m,p-Cresol		0.100		0.384	0.5000	0	76.8	42	99.3	07/19/2022
Nitrobenzene		0.100		0.398	0.5000	0	79.7	48.8	110	07/19/2022
o-Cresol		0.100		0.412	0.5000	0	82.4	47.2	105	07/19/2022
Pentachlorophenol		0.200		0.282	0.5000	0	56.5	40.3	91.7	07/19/2022
Pyridine		0.200		0.269	0.5000	0	53.8	16	84.5	07/19/2022
Cresols, Total		0.200		0.796	1.000	0	79.6	45.7	102	07/19/2022
Surr: 2,4,6-Tribromophenol	*			0.380	0.5000		76.0	50.5	124	07/19/2022
Surr: 2-Fluorobiphenyl	*			0.190	0.2500		76.0	44.3	104	07/19/2022
Surr: 2-Fluorophenol	*			0.288	0.5000		57.7	30.2	83.3	07/19/2022
Surr: Nitrobenzene-d5	*			0.206	0.2500		82.2	34	108	07/19/2022
Surr: Phenol-d5	*			0.228	0.5000		45.7	23.2	62.1	07/19/2022
Surr: p-Terphenyl-d14	*			0.195	0.2500		78.0	38.5	117	07/19/2022

SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

Batch	194615	SampType:	MBLK	Units µg/Kg							
SampID:		MBLK-194615									Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
Aroclor 1016			37.5		ND						07/18/2022
Aroclor 1221			37.5		ND						07/18/2022
Aroclor 1232			37.5		ND						07/18/2022
Aroclor 1242			37.5		ND						07/18/2022
Aroclor 1248			37.5		ND						07/18/2022
Aroclor 1254			37.5		ND						07/18/2022
Aroclor 1260			37.5		ND						07/18/2022
Surr: Decachlorobiphenyl	*				7.3	8.300		88.0	77.5	146	07/18/2022
Surr: Tetrachloro-meta-xylene	*				7.7	8.300		92.3	64	120	07/18/2022

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 3550B, 8082, POLYCHLORINATED BIPHENYLS (PCBS) BY GC/ECD

Batch 194615		SampType: LCS		Units µg/Kg							
SampID: LCSPCB-194615											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
Aroclor 1016		37.5		175	166.7	0	105.2	75.8	122	07/18/2022	
Aroclor 1260		37.5		189	166.7	0	113.6	79.7	132	07/18/2022	
Surr: Decachlorobiphenyl	*			8.0	8.300		96.2	77.5	146	07/18/2022	
Surr: Tetrachloro-meta-xylene	*			8.3	8.300		100.4	64	120	07/18/2022	

Batch 194615		SampType: MS		Units µg/Kg-dry						
SampID: 22070727-005AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Aroclor 1016		45.6		187	202.6	0	92.2	35.3	143	07/18/2022
Aroclor 1260		45.6		213	202.6	0	105.3	40.8	140	07/18/2022
Surr: Decachlorobiphenyl	*			8.1	10.09		80.1	40.2	131	07/18/2022
Surr: Tetrachloro-meta-xylene	*			8.5	10.09		84.6	39	122	07/18/2022

Batch	194615	SampType:	MSD	Units µg/Kg-dry						RPD Limit 40	
SampID: 22070727-005AMSD											
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Aroclor 1016			45.5		166	202.4	0	81.9	186.9	11.95	07/18/2022
Aroclor 1260			45.5		193	202.4	0	95.3	213.4	10.07	07/18/2022
Surr: Decachlorobiphenyl		*			8.1	10.08		80.4			07/18/2022
Surr: Tetrachloro-meta-xylene		*			8.5	10.08		84.0			07/18/2022

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS

Batch 194692		SampType: MBLK		Units µg/L							
SampID: MBLK-AE220719A-1											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
1,1-Dichloroethene	*	2.0		ND						07/19/2022	
1,2-Dichloroethane	*	2.0		ND						07/19/2022	
1,4-Dichlorobenzene	*	2.0		ND						07/19/2022	
2-Butanone	*	10.0		ND						07/19/2022	
Benzene	*	0.5		ND						07/19/2022	
Carbon tetrachloride	*	2.0		ND						07/19/2022	
Chlorobenzene	*	2.0		ND						07/19/2022	
Chloroform	*	2.0		ND						07/19/2022	
Tetrachloroethene	*	0.5		ND						07/19/2022	
Trichloroethene	*	2.0		ND						07/19/2022	
Vinyl chloride	*	2.0		ND						07/19/2022	
Surr: 1,2-Dichloroethane-d4	*			49.0	50.00		98.0	80	120	07/19/2022	
Surr: 4-Bromofluorobenzene	*			45.6	50.00		91.1	80	120	07/19/2022	
Surr: Dibromofluoromethane	*			52.8	50.00		105.7	80	120	07/19/2022	
Surr: Toluene-d8	*			47.3	50.00		94.6	80	120	07/19/2022	

Batch 194692		SampType: LCS		Units µg/L						
SampID: LCS-AE220719A-1										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1-Dichloroethene	*	2.0		54.9	50.00	0	109.7	69.4	127	07/19/2022
1,2-Dichloroethane	*	2.0		54.2	50.00	0	108.4	72.3	117	07/19/2022
1,4-Dichlorobenzene	*	2.0		49.2	50.00	0	98.4	73.9	112	07/19/2022
2-Butanone	*	10.0		122	125.0	0	97.5	68.8	134	07/19/2022
Benzene	*	0.5		55.1	50.00	0	110.1	78.5	119	07/19/2022
Carbon tetrachloride	*	2.0		59.0	50.00	0	117.9	70.9	127	07/19/2022
Chlorobenzene	*	2.0		49.1	50.00	0	98.2	80	111	07/19/2022
Chloroform	*	2.0		55.7	50.00	0	111.4	76.2	120	07/19/2022
Tetrachloroethene	*	0.5		53.5	50.00	0	106.9	70.1	120	07/19/2022
Trichloroethene	*	2.0		57.0	50.00	0	113.9	76.2	121	07/19/2022
Vinyl chloride	*	2.0		52.0	50.00	0	104.0	58.6	141	07/19/2022
Surr: 1,2-Dichloroethane-d4	*			48.7	50.00		97.5	80	120	07/19/2022
Surr: 4-Bromofluorobenzene	*			45.7	50.00		91.4	80	120	07/19/2022
Surr: Dibromofluoromethane	*			52.8	50.00		105.6	80	120	07/19/2022
Surr: Toluene-d8	*			46.5	50.00		92.9	80	120	07/19/2022

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS

Batch 194692		SampType: LCSD		Units µg/L				RPD Limit 30.5			Date Analyzed
SampID: LCSD-AE220719A-1											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
1,1-Dichloroethene	*	2.0		56.1	50.00	0	112.2	54.86	2.24	07/19/2022	
1,2-Dichloroethane	*	2.0		54.0	50.00	0	108.1	54.19	0.26	07/19/2022	
1,4-Dichlorobenzene	*	2.0		49.0	50.00	0	97.9	49.22	0.51	07/19/2022	
2-Butanone	*	10.0		121	125.0	0	96.5	121.9	0.99	07/19/2022	
Benzene	*	0.5		56.2	50.00	0	112.5	55.06	2.12	07/19/2022	
Carbon tetrachloride	*	2.0		60.3	50.00	0	120.6	58.95	2.25	07/19/2022	
Chlorobenzene	*	2.0		49.1	50.00	0	98.2	49.10	0.00	07/19/2022	
Chloroform	*	2.0		56.8	50.00	0	113.5	55.69	1.89	07/19/2022	
Tetrachloroethene	*	0.5		54.4	50.00	0	108.8	53.46	1.74	07/19/2022	
Trichloroethene	*	2.0		57.8	50.00	0	115.6	56.97	1.45	07/19/2022	
Vinyl chloride	*	2.0		54.4	50.00	0	108.7	51.99	4.46	07/19/2022	
Surr: 1,2-Dichloroethane-d4	*			49.6	50.00		99.3			07/19/2022	
Surr: 4-Bromofluorobenzene	*			45.9	50.00		91.8			07/19/2022	
Surr: Dibromofluoromethane	*			53.5	50.00		107.1			07/19/2022	
Surr: Toluene-d8	*			46.1	50.00		92.3			07/19/2022	

Batch 194692		SampType: MS		Units mg/L							
SampID: 22070649-004AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
1,1-Dichloroethene		0.200		4.46	5.000	0	89.1	69.3	133	07/19/2022	
1,2-Dichloroethane		0.200		4.87	5.000	0	97.4	79	117	07/19/2022	
1,4-Dichlorobenzene		0.200		4.38	5.000	0	87.6	78.3	109	07/19/2022	
2-Butanone		1.00		4.36	5.000	0	87.3	71.6	129	07/19/2022	
Benzene		0.050		5.00	5.000	0	100.1	78.9	118	07/19/2022	
Carbon tetrachloride		0.200		5.33	5.000	0	106.6	78.6	125	07/19/2022	
Chlorobenzene		0.200		4.48	5.000	0	89.6	84.7	110	07/19/2022	
Chloroform		0.200		5.10	5.000	0	102.1	80.9	117	07/19/2022	
Tetrachloroethene		0.050		4.67	5.000	0	93.3	75.2	112	07/19/2022	
Trichloroethene		0.200		5.18	5.000	0	103.6	80.4	121	07/19/2022	
Vinyl chloride		0.200		3.17	5.000	0	63.4	44.3	144	07/19/2022	
Surr: 1,2-Dichloroethane-d4	*			5.04	5.000		100.7	80	120	07/19/2022	
Surr: 4-Bromofluorobenzene	*			4.55	5.000		90.9	80	120	07/19/2022	
Surr: Dibromofluoromethane	*			5.37	5.000		107.3	80	120	07/19/2022	
Surr: Toluene-d8	*			4.61	5.000		92.2	80	120	07/19/2022	

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS

Batch 194692		SampType: MS		Units mg/L						
SampID: 22070649-005AMS										
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1-Dichloroethene		0.200		4.44	5.000	0	88.7	69.3	133	07/19/2022
1,2-Dichloroethane		0.200		4.98	5.000	0	99.6	79	117	07/19/2022
1,4-Dichlorobenzene		0.200		4.47	5.000	0	89.4	78.3	109	07/19/2022
2-Butanone		1.00		4.47	5.000	0	89.3	71.6	129	07/19/2022
Benzene		0.050		5.05	5.000	0	101.1	78.9	118	07/19/2022
Carbon tetrachloride		0.200		5.30	5.000	0	105.9	78.6	125	07/19/2022
Chlorobenzene		0.200		4.56	5.000	0	91.2	84.7	110	07/19/2022
Chloroform		0.200		5.20	5.000	0	103.9	80.9	117	07/19/2022
Tetrachloroethene		0.050		4.67	5.000	0	93.4	75.2	112	07/19/2022
Trichloroethene		0.200		5.15	5.000	0	103.1	80.4	121	07/19/2022
Vinyl chloride		0.200		3.15	5.000	0	62.9	44.3	144	07/19/2022
Surr: 1,2-Dichloroethane-d4	*			4.94	5.000		98.7	80	120	07/19/2022
Surr: 4-Bromofluorobenzene	*			4.41	5.000		88.2	80	120	07/19/2022
Surr: Dibromofluoromethane	*			5.35	5.000		107.0	80	120	07/19/2022
Surr: Toluene-d8	*			4.58	5.000		91.5	80	120	07/19/2022

Batch 194692		SampType: MS		Units mg/L							
SampID: 22070650-003AMS											Date Analyzed
Analyses		Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	
1,1-Dichloroethene			0.200		4.44	5.000	0	88.9	69.3	133	07/19/2022
1,2-Dichloroethane			0.200		4.90	5.000	0	98.1	79	117	07/19/2022
1,4-Dichlorobenzene			0.200		4.34	5.000	0	86.9	78.3	109	07/19/2022
2-Butanone			1.00		4.41	5.000	0	88.1	71.6	129	07/19/2022
Benzene			0.050		5.07	5.000	0	101.4	78.9	118	07/19/2022
Carbon tetrachloride			0.200		5.39	5.000	0	107.9	78.6	125	07/19/2022
Chlorobenzene			0.200		4.46	5.000	0	89.2	84.7	110	07/19/2022
Chloroform			0.200		5.14	5.000	0	102.9	80.9	117	07/19/2022
Tetrachloroethene			0.050		4.62	5.000	0	92.5	75.2	112	07/19/2022
Trichloroethene			0.200		5.20	5.000	0	103.9	80.4	121	07/19/2022
Vinyl chloride			0.200		3.12	5.000	0	62.3	44.3	144	07/19/2022
Surr: 1,2-Dichloroethane-d4		*			4.97	5.000		99.5	80	120	07/19/2022
Surr: 4-Bromofluorobenzene		*			4.50	5.000		90.0	80	120	07/19/2022
Surr: Dibromofluoromethane		*			5.29	5.000		105.9	80	120	07/19/2022
Surr: Toluene-d8		*			4.57	5.000		91.4	80	120	07/19/2022

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS

Batch 194692		SampType: MS		Units mg/L							
SampID: 22070651-003AMS											Date Analyzed
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
1,1-Dichloroethene		0.200		4.66	5.000	0	93.3	69.3	133	07/19/2022	
1,2-Dichloroethane		0.200		5.11	5.000	0	102.2	79	117	07/19/2022	
1,4-Dichlorobenzene		0.200		4.59	5.000	0	91.8	78.3	109	07/19/2022	
2-Butanone		1.00		4.63	5.000	0	92.6	71.6	129	07/19/2022	
Benzene		0.050		5.28	5.000	0	105.5	78.9	118	07/19/2022	
Carbon tetrachloride		0.200		5.55	5.000	0	111.0	78.6	125	07/19/2022	
Chlorobenzene		0.200		4.70	5.000	0	94.1	84.7	110	07/19/2022	
Chloroform		0.200		5.37	5.000	0.01800	107.0	80.9	117	07/19/2022	
Tetrachloroethene		0.050		4.91	5.000	0	98.3	75.2	112	07/19/2022	
Trichloroethene		0.200		5.46	5.000	0	109.2	80.4	121	07/19/2022	
Vinyl chloride		0.200		3.36	5.000	0	67.1	44.3	144	07/19/2022	
Surr: 1,2-Dichloroethane-d4	*			4.99	5.000		99.8	80	120	07/19/2022	
Surr: 4-Bromofluorobenzene	*			4.50	5.000		90.0	80	120	07/19/2022	
Surr: Dibromofluoromethane	*			5.33	5.000		106.6	80	120	07/19/2022	
Surr: Toluene-d8	*			4.56	5.000		91.1	80	120	07/19/2022	

Batch 194692		SampType: MS		Units mg/L							Date Analyzed
SampID: 22070665-001AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit		
1,1-Dichloroethene		0.200		4.74	5.000	0	94.8	69.3	133	07/19/2022	
1,2-Dichloroethane		0.200		5.24	5.000	0	104.7	79	117	07/19/2022	
1,4-Dichlorobenzene		0.200		4.62	5.000	0	92.5	78.3	109	07/19/2022	
2-Butanone		1.00		4.63	5.000	0	92.6	71.6	129	07/19/2022	
Benzene		0.050		5.37	5.000	0	107.4	78.9	118	07/19/2022	
Carbon tetrachloride		0.200		5.60	5.000	0	112.1	78.6	125	07/19/2022	
Chlorobenzene		0.200		4.77	5.000	0	95.4	84.7	110	07/19/2022	
Chloroform		0.200		5.44	5.000	0	108.9	80.9	117	07/19/2022	
Tetrachloroethene		0.050		5.02	5.000	0	100.3	75.2	112	07/19/2022	
Trichloroethene		0.200		5.54	5.000	0	110.8	80.4	121	07/19/2022	
Vinyl chloride		0.200		3.33	5.000	0	66.6	44.3	144	07/19/2022	
Surr: 1,2-Dichloroethane-d4	*			4.96	5.000		99.3	80	120	07/19/2022	
Surr: 4-Bromofluorobenzene	*			4.47	5.000		89.5	80	120	07/19/2022	
Surr: Dibromofluoromethane	*			5.36	5.000		107.2	80	120	07/19/2022	
Surr: Toluene-d8	*			4.61	5.000		92.2	80	120	07/19/2022	

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

SW-846 1311, 5030, 8260B, VOLATILE ORGANIC COMPOUNDS IN TCLP EXTRACT BY GC/MS

Batch 194692		SampType: MSD		Units mg/L				RPD Limit 20			Date Analyzed
SampID: 22070665-001AMSD											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD		
1,1-Dichloroethene		0.200		4.14	5.000	0	82.7	4.742	13.63	07/19/2022	
1,2-Dichloroethane		0.200		4.72	5.000	0	94.3	5.235	10.41	07/19/2022	
1,4-Dichlorobenzene		0.200		4.18	5.000	0	83.7	4.624	10.01	07/19/2022	
2-Butanone		1.00		4.22	5.000	0	84.5	4.630	9.19	07/19/2022	
Benzene		0.050		4.77	5.000	0	95.5	5.368	11.71	07/19/2022	
Carbon tetrachloride		0.200		4.95	5.000	0	99.0	5.604	12.35	07/19/2022	
Chlorobenzene		0.200		4.27	5.000	0	85.5	4.772	11.03	07/19/2022	
Chloroform		0.200		4.82	5.000	0	96.5	5.445	12.07	07/19/2022	
Tetrachloroethene		0.050		4.42	5.000	0	88.4	5.017	12.61	07/19/2022	
Trichloroethene		0.200		4.84	5.000	0	96.8	5.541	13.53	07/19/2022	
Vinyl chloride		0.200		2.92	5.000	0	58.4	3.328	13.06	07/19/2022	
Surr: 1,2-Dichloroethane-d4	*			4.93	5.000		98.5			07/19/2022	
Surr: 4-Bromofluorobenzene	*			4.46	5.000		89.2			07/19/2022	
Surr: Dibromofluoromethane	*			5.23	5.000		104.5			07/19/2022	
Surr: Toluene-d8	*			4.61	5.000		92.3			07/19/2022	

Batch 194692		SampType: MS		Units mg/L							
SampID: 22070665-002AMS											
Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed	
1,1-Dichloroethene		0.200		4.62	5.000	0	92.3	69.3	133	07/19/2022	
1,2-Dichloroethane		0.200		5.00	5.000	0	100.0	79	117	07/19/2022	
1,4-Dichlorobenzene		0.200		4.58	5.000	0	91.6	78.3	109	07/19/2022	
2-Butanone		1.00		4.54	5.000	0	90.9	71.6	129	07/19/2022	
Benzene		0.050		5.20	5.000	0	103.9	78.9	118	07/19/2022	
Carbon tetrachloride		0.200		5.51	5.000	0	110.3	78.6	125	07/19/2022	
Chlorobenzene		0.200		4.75	5.000	0	95.1	84.7	110	07/19/2022	
Chloroform		0.200		5.32	5.000	0.01400	106.0	80.9	117	07/19/2022	
Tetrachloroethene		0.050		4.97	5.000	0	99.4	75.2	112	07/19/2022	
Trichloroethene		0.200		5.35	5.000	0	106.9	80.4	121	07/19/2022	
Vinyl chloride		0.200		3.43	5.000	0	68.7	44.3	144	07/19/2022	
Surr: 1,2-Dichloroethane-d4	*			4.91	5.000		98.3	80	120	07/19/2022	
Surr: 4-Bromofluorobenzene	*			4.44	5.000		88.8	80	120	07/19/2022	
Surr: Dibromofluoromethane	*			5.22	5.000		104.3	80	120	07/19/2022	
Surr: Toluene-d8	*			4.62	5.000		92.3	80	120	07/19/2022	

Client: Environmental Operations, Inc.

Work Order: 22070650

Client Project: IDOT 68G74 / 22556

Report Date: 21-Jul-22

Carrier: Employee

Received By: CET

Completed by:

On:

14-Jul-22

Payton Yoch

Reviewed by:

On:

14-Jul-22

Elizabeth A. Hurley

Pages to follow:

Chain of custody

1

Extra pages included

0

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Temp °C **4.8**

Type of thermal preservation?

None ☐

Ice ☒

Blue Ice ☐

Dry Ice ☐

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Reported field parameters measured:

Field ☐

Lab ☐

NA ☒

Container/Temp Blank temperature in compliance?

Yes ☒

No ☐

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?

Yes ☐

No ☐

No VOA vials ☒

Water - TOX containers have zero headspace?

Yes ☐

No ☐

No TOX containers ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

NA ☒

NPDES/CWA TCN interferences checked/treated in the field?

Yes ☐

No ☐

NA ☒

Any No responses must be detailed below or on the COC.

Samples requiring pH should be analyzed as soon as possible after collection. Samples submitted for pH analysis are analyzed as soon as practicable upon arrival at the laboratory. - ehurley - 7/13/2022 10:53:14 AM

Teklab Chain of Custody

Pg. 1 of 1

Workorder 2207005

5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618)344-1004 ~ Fax: (618)344-1005

Environmental Operations, Inc.

Are the samples chilled? ☒ Yes ☐ No with: ☒ Ice ☐ Blue icePreserved in ☐ Lab ☐ Field

7733 Forsyth Blvd., Ste. 1600

Cooler Temp 4.8

Sampler Matt Stockert

St. Louis

MO

63105

Project Name/Number: IDOT 68G74 / 22556

Comments

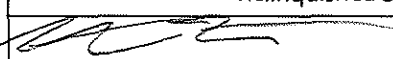
Contact Matt Stockert

eMail matts@environmentalops. Phone 618-581-4544

Requested Due Date STD

Billing/PO 22556

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	TCLP VOCs	TCLP SVOCs	TCLP 8 RCRA Metals	Total PCBs	pH	Paint Filter	Ignitability				
22070650-001	SS-68G74-1	7/11/22 1844	Unpres	Soil	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
002	SS-68G74-2	1933	Unpres	Soil	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
003	SS-68G74-3	1945	Unpres	Soil	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
			Unpres	Soil	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
			Unpres	Soil	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
			Unpres	Soil	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
			Unpres	Soil	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
			Unpres	Soil	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐

Relinquished By *	Date/Time	Received By	Date/Time
	7/12/22 1605	Chen Suwen	7-12-22 1605

* The individual signing this agreement on behalf of client acknowledges that they have read and understand the terms of this agreement and that they have the authority to sign on behalf of client.

Chen 7-12-22

Lab Report Profile 635365IL

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

March 15, 2023

Apex Companies, LLC
1701 East Woodfield Rd, Suite 333
Schaumburg, IL 60173
Telephone: (847) 956-8589
Fax: (847) 956-8619

Analytical Report for STAT Work Order: 23030307 Revision 0

RE: BR1024-0314031-23004545, Peoria BSRO, Peoria, IL.

Dear Apex Companies, LLC:

STAT Analysis received 1 sample for the referenced project on 3/9/2023 1:30:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Justice Kwateng
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

Client: Apex Companies, LLC**Project:** BR1024-0314031-23004545, Peoria BSRO, Peoria, IL.**Work Order:** 23030307 Revision 0**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
23030307-001A	Bay 5		3/8/2023 10:15:00 AM	3/9/2023

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported: March 15, 2023

Date Printed: March 15, 2023

ANALYTICAL RESULTS

Client: Apex Companies, LLC

Client Sample ID: Bay 5

Work Order: 23030307 Revision 0

Collection Date: 3/8/2023 10:15:00 AM

Project: BR1024-0314031-23004545, Peoria BSRO, Peoria,

Matrix: Soil

Lab ID: 23030307-001

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
PCBs	SW8082A (SW3550B)				Prep Date: 3/14/2023	Analyst: LV
Aroclor 1016	ND	0.092		mg/Kg-dry	1	3/15/2023
Aroclor 1221	ND	0.092		mg/Kg-dry	1	3/15/2023
Aroclor 1232	ND	0.092		mg/Kg-dry	1	3/15/2023
Aroclor 1242	ND	0.092		mg/Kg-dry	1	3/15/2023
Aroclor 1248	ND	0.092		mg/Kg-dry	1	3/15/2023
Aroclor 1254	ND	0.092		mg/Kg-dry	1	3/15/2023
Aroclor 1260	ND	0.092		mg/Kg-dry	1	3/15/2023
Percent Moisture	D2974				Prep Date: 3/14/2023	Analyst: RW
Percent Moisture	13.5	0.2	*	wt%	1	3/15/2023

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

[illegible]

Sample Receipt Checklist

Client Name **APEX**

Date and Time Received: **3/9/2023 1:30:00 PM**

Work Order Number **23030307**

Received by: **JMH**

Checklist completed by: *Juan Herrera* *3-9-2023*
Signature Date

Reviewed by: *JMH* *3/9/2023*
Initials Date

Matrix: Carrier name Client Delivered

Shipping container/cooler in good condition?	Yes ☒	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☒
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☒
Chain of custody present?	Yes ☒	No ☐	
Chain of custody signed when relinquished and received?	Yes ☒	No ☐	
Chain of custody agrees with sample labels/containers?	Yes ☒	No ☐	
Samples in proper container/bottle?	Yes ☒	No ☐	
Sample containers intact?	Yes ☒	No ☐	
Sufficient sample volume for indicated test?	Yes ☒	No ☐	
All samples received within holding time?	Yes ☒	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☒	No ☐	Temperature 3.7 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☐	No ☐	Checked by: _____
Water - Samples properly preserved?	Yes ☐	No ☐	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: _____

Client / Person contacted: _____ Date contacted: _____ Contacted by: _____

Response: _____

Hydraulic Oil SDS Profile 635365IL



Safety Data Sheet

Rev. Date: 08/19/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Universal ECO Ultra Hydraulic Oil AW #46

Hydraulic Oil
Petroleum Lubricant
Product Code: I5060

Universal Lubricants, LLC
2824 N Ohio Street
Wichita, Kansas 67219
Website: www.universallubes.com

1-800-444-6457 Telephone
1-316-832-3627 Product Information telephone
1-800-424-9300 US, Canada, Puerto Rico, Virgin Isl.- Emergency telephone(CHEMTREC)
+1-703-527-3887 International / Maritime Emergency telephone (CHEMTREC)

2. HAZARDS IDENTIFICATION

Physical Hazards:	Not classified
Health Hazards:	Skin corrosion/irritation Category 3 Eye damage/irritation Subcategory 2B
Signal Word:	WARNING
Hazard Statement:	H316 Causes mild skin irritation H320 Causes eye irritation
GHS Symbol:	<i>No Symbol</i>

Precautionary Statements

- Prevention:** P280 Wear protective gloves/protective clothing/eye protection/face protection
P264 Wash contaminated area of the body thoroughly after handling
- Response:** P302+P352 IF ON SKIN: Wash with soap and water
P305+P351+P338 IF IN EYES: rinse cautiously with water for several minutes.
Remove contact lenses if present and easy to do – continue rinsing
P363 Wash contaminated clothing before reuse
P337+P332+P313 If eye/skin irritation occurs: Get medical advice/attention
- Storage:** P402+P404 Store in a dry place. Store in a closed container
P403 Store in a well-ventilated place.
- Disposal:** P501 Dispose of contents/container with compliance to federal, state and local regulations. Contact Universal Lubricants for proper disposal options

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Hydraulic Oil

Formula: Mixture

Molecular Weight: Variable

Component	CAS Number	Concentration %
Base Lubricating Oils Mixture		95-99
R&O Inhibitor/Anti-Wear Agent – Trade Secret		1.0
Pour Point Depressant – Trade Secret		<1.0
Anti-Foam Agent – Trade Secret		<1.0

4. FIRST AID MEASURES

Eyes

Move individual away and into fresh air. Immediately flush eyes with large amounts of fresh water and continue flushing until irritation subsides. Seek medical attention.

Inhalation

If breathing difficulty exists, remove individual away from exposure and into fresh air. Seek medical attention. If breathing remains difficult, administer oxygen, keep person warm and quiet, and seek immediate attention.

Skin

Remove contaminated clothing. Wash contaminated area repeatedly with soap and water. Do not reuse clothing until thoroughly cleaned and laundered. Seek medical attention for persistent irritation.

Ingestion

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth, place individual on the left side with head down and call emergency contacts. Contact a physician, medical facility or poison control center for advice about whether to induce vomiting. Do not leave individual unattended.

Skin Injection

If product is injected into or under skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

5. FIREFIGHTING MEASURES

Suitable extinguishing media

Use dry chemical, foam, carbon dioxide (CO₂) or water spray or water fog.

Specific hazards from combustion

Carbon monoxide, carbon dioxide, aldehydes, hydrocarbons, oxides of sulfur, nitrogen, phosphorus and other oxides may be products of combustion.

Special protective equipment for fire-fighters

Wear full firefighting turn-out gear (full bunker gear), and respiratory protection (SCBA). DO NOT direct a solid stream of water or foam into hot, burning pools of oil liquid since this may cause frothing and increase fire intensity. Cool fire exposed containers with water spray and avoid spreading burning material with water used for cooling purposes.

NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class IIIB

6. ACCIDENTAL RELEASE MEASURES

Personal precautions and Protective equipment

Personal Protection, see section 8. Any individual not wearing protective equipment should not enter spill or contaminated area until all clean-up has been completed.

Emergency procedures

For personal emergency procedures see section 4. For fire emergency procedures see section 5. Contain spilled oil liquid if possible without posing any risk or personal injury.

Environmental precautions

Prevent spreading over a wide area. Contain spill immediately. Contact appropriate authorities of spill. Do not allow spill to enter sewer system, drains of any kind, surface water or water courses. Avoid flushing to such areas as well. Remove all sources of ignition

Methods and materials for containment and cleaning up

Soak up or absorb with appropriate inert materials such as, sand, clay, silica gel, acid binder, universal binder, sawdust, paper fiber etc. Large spills may be picked up using vacuum pumps, shovels, buckets or other means of transfer and placed into drums or any other approved and suitable containers.

7. HANDLING AND STORAGE

Precautions for safe handling

This product is not classified as a Hazardous Material under DOT regulations. See NFPA 30 and OSHA 1910.106 flammable and combustible liquids.

Conditions for safe storage

Store in only approved and marked containers. Store in a cool, dry ventilated area. Keep containers closed when not in use and during transportation. Keep containers away from flame or other ignition sources.

Incompatibilities

Strong oxidizing agents, acids, halogens.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA Final: (PEL)

Contains no substances with occupational exposure limit values.

American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV)

5.00 mg/m³ suggested for oil mist.

Respiratory protection

If vapor mist is generated when the material is heated or handled, use an organic vapor respirator with a dust and mist filter. All respirators must be NIOSH certified. Fit testing may be required before use. Do not use compressed oxygen in hydrocarbon atmospheres. Adequate ventilation in accordance with good engineering practices must be provided to maintain concentrations below the specified exposure or flammable limits.

Hand protection

For prolonged or repeated exposures hand protection is required. Wear resistant gloves suitable for the product, contact your safety department or supplier to determine the proper hand protection.

Eye protection

Not required under normal conditions of use. If material is handled such that it could be splashed or misted into eyes, wear plastic face shield or splash resistant safety goggles or glasses with side shields.

Skin and body protection

For prolonged or repeated exposures, use impervious clothing (boots, gloves, aprons, bibs, etc.) over parts of the body subject to exposure. If handling hot material, use insulated protective clothing. Launder soiled clothes, do not reuse contaminated clothing. Proper dispose of contaminated clothing or articles that cannot be laundered such as leather gloves, boots, etc. If skin irritation develops, contact your facility safety department or safety supplier to determine the proper protective equipment for your use.

Hygiene measures

Do not use contaminated clothing, launder clothing before reuse. Wash contaminated areas of the body which may have been exposed with soap and water. Wash thoroughly before handling food and beverages. Food and beverage consumption should be avoided in work areas where hydrocarbons are present.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, amber

Physical state: Liquid

Odor: Lubricating Oil

Specific gravity (H₂O=1): 0.8681

Melting point/freezing point: No data available

Initial boiling point and boiling range: >800°F

Flash point (C.O.C): 210°C, (410°F)

Upper/lower flammability or explosive limits: No data available

Vapor pressure: Not determined

Solubility in water: Soluble in hydrocarbons, emulsifies in water

Percent volatile: Negligible

Liquid density: Not determined

Evaporation rate: Not determined

10. STABILITY AND REACTIVITY

Reactivity: May react strong with oxidizing agents.

Chemical stability: Stable under normal temperatures and pressures.

Possibility of hazardous reactions: Product will not undergo hazardous polymerization.

Conditions to avoid: Heat, open flames, oxidizing materials and mist.

Incompatible materials: Strong oxidizing agents, acids, halogens.

Hazardous decomposition products: Carbon monoxide, carbon dioxide and other oxides may be generated as products of combustion.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity: No data available

Acute inhalation toxicity: No data available

12. ECOLOGICAL INFORMATION

Biodegradability: No data available

Bioaccumulation: No data available

Toxicity to fish: No data available

Toxicity to daphnia and other aquatic invertebrates: No data available

Toxicity to algae: No data available

Toxicity to bacteria: No data available

13. DISPOSAL CONSIDERATIONS

Waste Disposal methods

All disposals must comply with federal, state and local regulations. Spilled or discarded material may be a regulated waste. Refer to state and local regulations. If other material was used during cleanup efforts the resultant mixture may be regulated. Department of Transportation regulations may apply for transporting of this material. Contact Universal Lubricants regarding proper recycling and disposal methods.

14. TRANSPORT INFORMATION

UN number:	Not dangerous/hazardous goods
UN proper shipping name:	Not dangerous/hazardous goods
Transport hazard class:	Not dangerous/hazardous goods
Packing group:	Not dangerous/hazardous goods
Environmental hazards:	Not dangerous/hazardous goods
U.S. DOT Road/Rail/Waterways:	Not dangerous/hazardous goods
Transport Canada Road/Rail/Waterways:	Not dangerous/hazardous goods
International Maritime Dangerous Goods:	Not dangerous/hazardous goods

15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

Federal Regulatory Status

Notification Status

EINECS All components listed

DSL All components listed

TSCA All components listed

SARA Hazard Categories (311/312)

No SARA 311/312 hazards

State Regulatory Status

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

NFPA Hazard Classification

Health: 1

Flammability: 1

Reactivity: 0



HMIS Classification

Health: 1

Flammability: 1

Physical Hazards: 0

Personal Protection: B

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate. However, neither Universal Lubricants, LLC nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information provided herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.