Memo

TO
Christine Matlock, EGLE

COPIES
Joe Rogers, EGLE
John McCabe, EGLE
Dave Favero, RACER Trust

DATE
January 20, 2022

PROJECT NUMBER
30075941

FROM
Arcadis of Michigan, LLC

SUBJECT
RACER Lansing – Plant 2 Vault Closure Summary

Arcadis of Michigan, LLC (Arcadis) on behalf of Revitalizing Auto Communities Environmental Response (RACER) Trust has completed closure activities of the subsurface concrete vault at Plant 2 (site) in Lansing, Michigan. The proposed vault closure activities were detailed in the *Plant 2 Vault Scope of Work* (Arcadis 2021) and modified via email correspondence with the Michigan Department of Environment, Great Lakes and Energy (EGLE). Final approval of the Plant 2 vault closure was provided via email from Joe Rogers of EGLE on July 21, 2021, and via formal letter on October 27, 2021. The general location of Plant 2 is provided on **Figure 1** and the location of the subsurface vault structure at Plant 2 is provided on **Figure 2**.

Concrete Vault in Area 5-2 at Plant 2 – Structure Details

During previous investigations in Area 5-2, the concrete vault was discovered approximately 20-feet south of monitoring well P2-SB-37/MW-37 (**Figure 2**). The concrete vault was estimated to measure approximately 25-feet long (east to west), 4-feet wide, and 4-feet deep. The concrete slab covering the vault area was determined to be 10-inches thick at the time of initial investigation. Based on the water level at the time of initial investigations and approximate size of the vault structure it was estimated that an approximate volume of liquid contained in the vault was 1,500-gallons.

During vault closure activities, conducted on October 11-12, 2021, the concrete vault was determined to be 36-feet long (east to west), 6-feet wide, and 4-feet deep. The water level in surrounding monitoring wells at the time of the vault closure was approximately 1-foot below ground surface (bgs) and the water level in the vault was observed to be just below the concrete after accessing the vault through several concrete cores. The estimated volume of water was determined to be approximately 6,500-gallons contained within the Plant 2 vault structure.

Site Preparation and Concrete Coring

Prior to beginning liquid removal activities from the concrete vault structure, a private utility locate was conducted on October 11th, 2021, by FMCI to ensure that no subsurface utilities or other structures were in the vicinity of the work area where concrete coring was to take place. Arcadis was also present during utility locate to document FMCI findings. The area was cleared for utilities and the work area was cordoned off. Concrete coring was completed by Job Site Services (JSS) and a total of 5 concrete cores were completed through the top of the

concrete vault along its length for access. The concrete above the vault was found to be approximately 20-inches thick instead of 10-inches thick, which was documented during initial investigations.

Concrete Vault Closure Activities

After utility clearance and concrete coring activities, the liquids were pumped through the openings in the top of the vault into a vacuum truck. As detailed in the *Plant 2 Scope of Work* (Arcadis 2021), the liquids from the vault were to be loaded directly into a vacuum truck and then taken to US Ecology for disposal. However, due the larger than anticipated dimensions, more volume was present within the vault than the vacuum truck could transport. Therefore, the liquids were transferred from the vacuum truck into a frac tank staged on-site. As the liquid within the concrete vault was pumped, JSS completed power washing activities of the interior of the vault structure. Due to infiltration of groundwater from the surrounding soils, pressure washing was limited to approximately 20% of the vault. Due to the continuous influx of groundwater, flowable fill material was introduced to the vault while the liquid contents were pumped out at the opposite end of the vault. A total of 12,800-gallons of water was pumped into the on-site frac tank from the concrete vault, which also included wash water from pressure washing. A total of 37 cubic yards of flowable fill was used to fill the void space of the concrete vault to the surface including the concrete core locations. All vault closure activities were completed on October 12th, 2021, with additional flowable fill added to top off the vault the morning of October 13th, 2021.

Waste Characterization and Waste Disposal Activities

Since the liquids contained in the vault along with the wash water was combined into the frac tank on-site, a sample was collected for waste characterization on October 13, 2021. EGLE also indicated that they would like a sample analyzed of the wash water as outlined in the email from Joe Rogers of EGLE on July 21, 2021, and via formal letter on October 27, 2021. The water sample was submitted to Merit Laboratories, Inc. (Merit) in Lansing, Michigan for analysis of waste characterization parameters (VOCs, PCBs, TCLP SVOCs, TCLP Metals, pH, and flashpoint) and EGLE PFAS 28 Compounds. The laboratory analytical reports are included in **Attachment 1**.

The water was found to be nonhazardous but did contain low levels of several PFAS. The Plant 2 vault wastewater was approved for disposal at Valicor Environmental Services, Inc. (Valicor) in Inkster, Michigan. A total of 12,800-gallons was transported to the Valicor disposal facility by Valicor transport using vacuum trucks. The waste disposal manifests are provided in **Attachment 2**. The on-site frac tank was then cleaned by Young's Environmental Cleanup, Inc. (Young's) and the wash out material was also disposed of at Valicor and transported by Youngs. The waste manifest for the wash out water is also provided in **Attachment 2**.

Should you have any questions regarding the completed work, please contact David Favero at (217) 741-6235 or Tiffany Linder at (810) 225-1928.

References:

Arcadis. 2021. Plant 2 Vault Scope of Work, RACER Trust Lansing Industrial Land. Plants 2 & 3 MID 980 700 827, Lansing, Michigan. April 13, 2021.

Enclosures:

Figures

1 Site Location

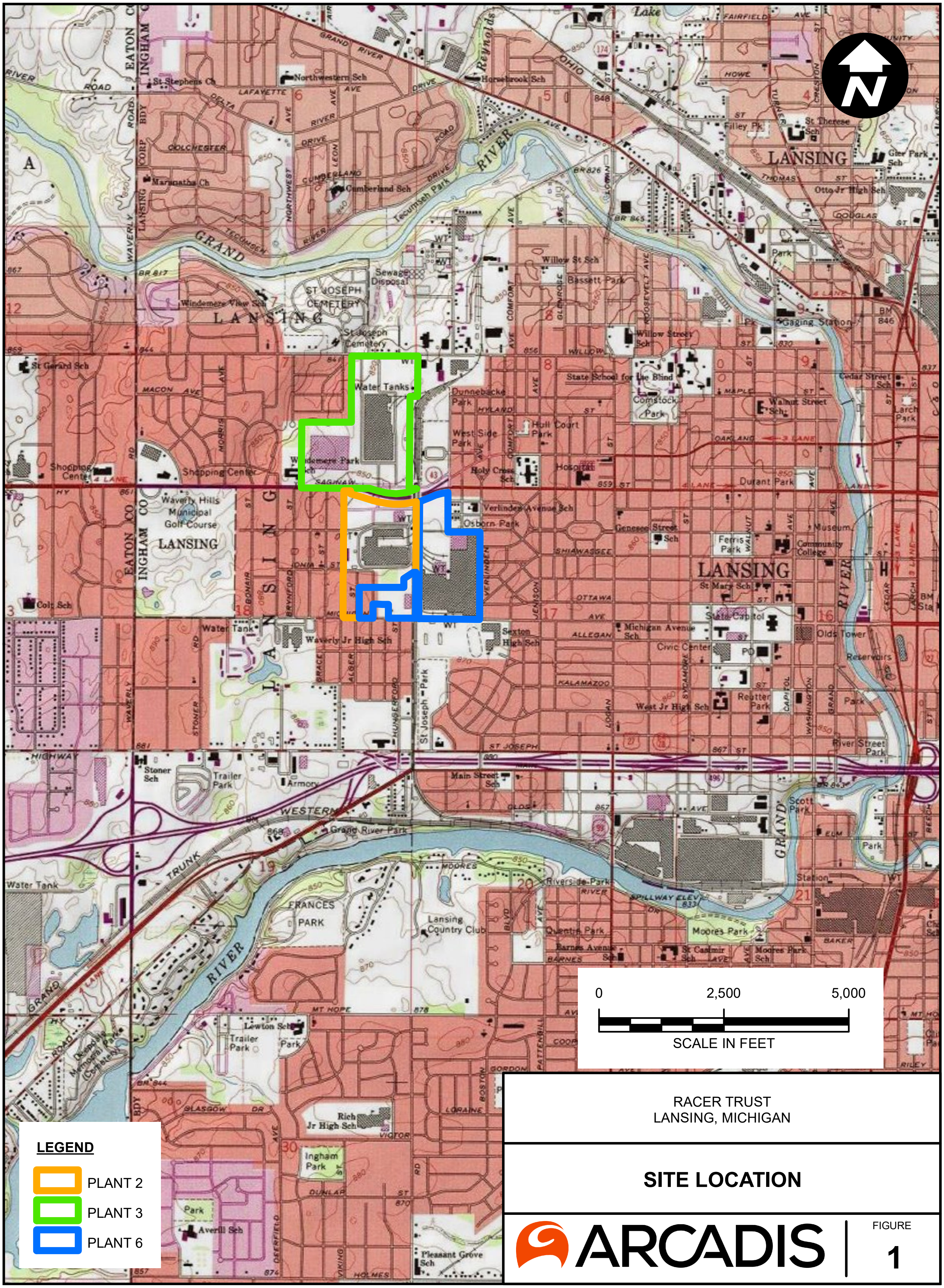
2 Plant 2 Vault Location

Attachments

1 Waste Characterization Laboratory Analytical Reports

2 Waste Manifests

Figures



RACER TRUST
LANSING, MICHIGAN

SITE LOCATION

ARCADIS

FIGURE
1

CITY: KNOXVILLE DIV: ENV DB: A.SMITH PIC: J BARRETT PM: R CHRISTENSEN TM: A VILLHAUER TR: PROJECT NUMBER: 30006870 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl
T:_ENV\RACER\Buffalo\MXDs\2021 Corrective Measures Workplan\Fig 1 - Site Location.mxd PLOTTED: 12/17/2021 11:36:27 AM BY: MJoye

W. SAGINAW STREET

AREA 3

AREA 8

AREA 5-1

AREA 5-4

AREA 5-7

AREA 4

SEE INSET BELOW FOR A ZOOMED IN VIEW OF THE CONCRETE VAULT LOCATION.

AREA 5-6

AREA 5-5

AREA 5-2

AREA 5-3

AREA 2

AREA 10

AREA 9

AREA 6

AREA 7

MICHIGAN AVENUE

0 190 380

SCALE IN FEET

AREA 5-2

P2-SB-37/MW-37

1 inch = 50 feet

0 50 100 Feet

LEGEND

LNAPL MONITORING WELL

CONCRETE VAULT

PLANT 2

PLANT 6

RACER TRUST
PLANT 2
LANSING, MICHIGAN

PLANT 2 VAULT LOCATION

ARCADIS

FIGURE
2

CITY: Novi DIV: ENV DB: TRY PIC: Jeff Barrett PM: Randy Christensen TM: Tiffany Linder TR: PROJECT NUMBER: 30075941 COORDINATE SYSTEM: NAD 1983 StatePlane Michigan South FIPS 2113 Feet Intl
T:_ENV\RACER\Buffalo\MXDs\2020 P2 P3 Corrective Measures Workplan\Plant2_ValutLocation.mxd PLOTTED: 1/4/2022 1:40:38 PM BY: KPullen

Attachment 1

Waste Characterization Laboratory Analytical Reports

Analytical Laboratory Report

Report ID: S29262.01(01)
Generated on 10/27/2021

Report to

Attention: Tiffany Linder
Arcadis
28550 Cabot Drive
Suite 500
Novi, MI 48377

Phone: 248-994-2272 FAX:
Email: tiffany.linder@arcadis-us.com

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:
John Laverty (johnlaverty@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S29262.01
Project: 30105710.01 / Plant 2 Vault Closure
Collected Date(s): 10/13/2021
Submitted Date/Time: 10/13/2021 14:45
Sampled by: A. Mandich
P.O. #: 30105710.01

Table of Contents

Maya Murshak
Technical Director

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request. Starred (*) analytes are not NELAP accredited.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)
PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."
Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.
Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.

Report Narrative

There is no additional narrative for this analytical report

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Alaska CSLAP	#17-001
Pennsylvania DEP	#68-05884
Wisconsin DNR	FID# 399147320

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched

Method Summary

Method	Version
ASTMD3278 - 96	ASTM Method D3278 - 96(2011)
E608.3	EPA Method 608.3 December 2016
N/A	Not Applicable
SW1311	SW 846 Method 1311 Revision 0 July 1992
SW3015A	SW 846 Method 3015A Revision 1 February 2007
SW3535A	SW 846 Method 3535A Revision 1 February 2007
SW5030C/8260C	SW 846 Method 8260C Revision 3 August 2006 / 5030C Revision 3 May 2003
SW6020A	SW 846 Method 6020A Revision 1 February 2007
SW7471B	SW 846 Method 7471B Revision 2 February 2007
SW8270D	SW 846 Method 8270D Revision 4 February 2007
SW9045D	SW 846 Method 9045D Revision 4 November 2004

Analytical Laboratory Report

Sample Summary (1 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S29262.01	P2 Vault	Groundwater	10/13/21 10:00

Lab Sample ID: S29262.01
Sample Tag: P2 Vault
Collected Date/Time: 10/13/2021 10:00
Matrix: Groundwater
COC Reference: 140966

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	4.1	IR
2	1L Amber	None	Yes	4.1	IR
2	32oz Glass	None	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
pH check for VOCs*	<2	N/A	10/18/21 11:30	BML	
Metal Digestion	Completed	SW3015A	10/25/21 10:30	CCM	
Extraction, PCB*	Completed	E608.3	10/13/21 17:00	JWR	
TCLP/SPLP BNA Extraction*	Completed	SW3535A	10/25/21 17:00	PTW	
Mercury Digestion*	Completed	SW7471B	10/26/21 16:15	JRH	

TCLP Extraction

Parameter	Result	Method	Run Date	Analyst	Flags
Initial Sample pH	<0.5%	SW1311	10/24/21 13:00 - 10/24/21	BJB	
pH after 3.5 ml HCl	<0.5%	SW1311	10/24/21 13:00 - 10/24/21	BJB	
% Solids	<0.5%	SW1311	10/24/21 13:00 - 10/24/21	BJB	
Sample Used g	<0.5%	SW1311	10/24/21 13:00 - 10/24/21	BJB	
Final Volume mL	<0.5%	SW1311	10/24/21 13:00 - 10/24/21	BJB	
TCLP Extraction Fluid	<0.5%	SW1311	10/24/21 13:00 - 10/24/21	BJB	
Final Extract pH	<0.5%	SW1311	10/24/21 13:00 - 10/24/21	BJB	

Inorganics

Method: ASTMD3278 - 96, Run Date: 10/14/21 14:30, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
Flash Point*	Not detected	180		oF	1			<140

Method: SW9045D, Run Date: 10/18/21 21:03, Analyst: ASB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
pH/ Corrosivity*	8.18	0.01		STD Units	1			2-12.5

Metals

Method: SW6020A, Run Date: 10/25/21 13:04, Analyst: CCM

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
Arsenic, TCLP	Not detected	0.02		mg/L	25	7440-38-2		5.0
Barium, TCLP	Not detected	0.05		mg/L	25	7440-39-3		100.0
Cadmium, TCLP	Not detected	0.005		mg/L	25	7440-43-9		1.0
Chromium, TCLP	Not detected	0.05		mg/L	25	7440-47-3		5.0
Lead, TCLP	Not detected	0.03		mg/L	25	7439-92-1		5.0
Selenium, TCLP	Not detected	0.05		mg/L	25	7782-49-2		1.0
Silver, TCLP	Not detected	0.005		mg/L	25	7440-22-4		5.0

Method: SW7471B, Run Date: 10/26/21 20:50, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
Mercury, TCLP*	Not detected	0.0005		mg/L	2	7439-97-6		0.2

Lab Sample ID: S29262.01 (continued)
Sample Tag: P2 Vault

Organics - PCBs/Pesticides

PCB, Method: E608.3, Run Date: 10/18/21 16:50, Analyst: JANB

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
PCB-1016	Not detected	0.1		ug/L	1	12674-11-2		
PCB-1221	Not detected	0.1		ug/L	1	11104-28-2		
PCB-1232	Not detected	0.1		ug/L	1	11141-16-5		
PCB-1242	0.9	0.1		ug/L	1	53469-21-9		
PCB-1248	Not detected	0.1		ug/L	1	12672-29-6		
PCB-1254	1	0.1		ug/L	1	11097-69-1		
PCB-1260	Not detected	0.1		ug/L	1	11096-82-5		
PCB, Total*	1.9	0.1		ug/L	1	1336-36-3		

Organics - Semi-Volatiles

TCLP Semi Volatiles, Method: SW8270D, Run Date: 10/26/21 19:12, Analyst: PL

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
2-Methylphenol (o-Cresol)	Not detected	1,000		ug/L	10	95-48-7		200,000
3-, 4-Methylphenol (p,m-Cresol)	Not detected	1,000		ug/L	10	3/4-CRESOL		200,000
Pentachlorophenol	Not detected	1,000		ug/L	10	87-86-5		100,000
2,4,5-Trichlorophenol	Not detected	1,000		ug/L	10	95-95-4		400,000
2,4,6-Trichlorophenol	Not detected	1,000		ug/L	10	88-06-2		2,000
2,4-Dinitrotoluene	Not detected	90		ug/L	10	121-14-2		130
Hexachlorobenzene	Not detected	90		ug/L	10	118-74-1		130
Hexachlorobutadiene	Not detected	100		ug/L	10	87-68-3		500
Hexachloroethane	Not detected	100		ug/L	10	67-72-1		3,000
Nitrobenzene	Not detected	100		ug/L	10	98-95-3		2,000
Pyridine	Not detected	100		ug/L	10	110-86-1		5,000

Organics - Volatiles

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 10/18/21 17:26, Analyst: KAG

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
Acetone	Not detected	500		ug/L	10	67-64-1	Y	
Acrylonitrile	Not detected	20		ug/L	10	107-13-1	Y	
2-Butanone (MEK)	Not detected	250		ug/L	10	78-93-3	Y	200,000
Benzene	Not detected	10		ug/L	10	71-43-2	Y	500
n-Butylbenzene	Not detected	10		ug/L	10	104-51-8	Y	
Bromobenzene	Not detected	10		ug/L	10	108-86-1	Y	
Bromochloromethane	Not detected	10		ug/L	10	74-97-5	Y	
Bromodichloromethane	Not detected	10		ug/L	10	75-27-4	Y	
Bromoform	Not detected	10		ug/L	10	75-25-2	Y	
Bromomethane	Not detected	50		ug/L	10	74-83-9	Y	
sec-Butylbenzene	Not detected	10		ug/L	10	135-98-8	Y	
tert-Butylbenzene	Not detected	10		ug/L	10	98-06-6	Y	
Carbon disulfide	Not detected	50		ug/L	10	75-15-0	Y	
Carbon tetrachloride	Not detected	10		ug/L	10	56-23-5	Y	500
Chlorobenzene	Not detected	10		ug/L	10	108-90-7	Y	100,000
Chloroethane	Not detected	50		ug/L	10	75-00-3	Y	
Chloroform	Not detected	10		ug/L	10	67-66-3	Y	6,000
Chloromethane	Not detected	50		ug/L	10	74-87-3	Y	
1,1-Dichloroethane	280	10		ug/L	10	75-34-3	Y	
1,1-Dichloroethene	Not detected	10		ug/L	10	75-35-4	Y	700
1,2-Dibromo-3-chloropropane	Not detected	50		ug/L	10	96-12-8	Y	

Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S29262.01 (continued)
Sample Tag: P2 Vault

Volatile Organics - DEQ List, Method: SW5030C/8260C, Run Date: 10/18/21 17:26, Analyst: KAG (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags	Limits
1,2-Dibromoethane	Not detected	10		ug/L	10	106-93-4	Y	
1,2-Dichlorobenzene	Not detected	10		ug/L	10	95-50-1	Y	
1,2-Dichloroethane	Not detected	10		ug/L	10	107-06-2	Y	500
1,2-Dichloropropane	Not detected	10		ug/L	10	78-87-5	Y	
1,3-Dichlorobenzene	Not detected	10		ug/L	10	541-73-1	Y	
1,4-Dichlorobenzene	Not detected	10		ug/L	10	106-46-7	Y	7,500
cis-1,2-Dichloroethene	Not detected	10		ug/L	10	156-59-2	Y	
cis-1,3-Dichloropropene	Not detected	10		ug/L	10	10061-01-5	Y	
Dibromochloromethane	Not detected	50		ug/L	10	124-48-1	Y	
Dibromomethane	Not detected	50		ug/L	10	74-95-3	Y	
Dichlorodifluoromethane	Not detected	50		ug/L	10	75-71-8	Y	
Diethyl ether	Not detected	100		ug/L	10	60-29-7	Y	
trans-1,2-Dichloroethene	Not detected	10		ug/L	10	156-60-5	Y	
trans-1,3-Dichloropropene	Not detected	10		ug/L	10	10061-02-6	Y	
trans-1,4-Dichloro-2-butene	Not detected	10		ug/L	10	110-57-6	Y	
Ethylbenzene	Not detected	10		ug/L	10	100-41-4	Y	
2-Hexanone	Not detected	500		ug/L	10	591-78-6	Y	
Hexachloroethane	Not detected	50		ug/L	10	67-72-1	Y	3,000
p-Isopropyltoluene	Not detected	50		ug/L	10	99-87-6	Y	
Isopropylbenzene	Not detected	50		ug/L	10	98-82-8	Y	
2-Methylnaphthalene	Not detected	50		ug/L	10	91-57-6	Y	
4-Methyl-2-pentanone (MIBK)	Not detected	500		ug/L	10	108-10-1	Y	
tert-Methyl butyl ether (MTBE)	Not detected	50		ug/L	10	1634-04-4	Y	
Methyl iodide	Not detected	10		ug/L	10	74-88-4	Y	
Methylene chloride	Not detected	50		ug/L	10	75-09-2	Y	
Naphthalene	Not detected	50		ug/L	10	91-20-3	Y	
n-Propylbenzene	Not detected	10		ug/L	10	103-65-1	Y	
Styrene	Not detected	10		ug/L	10	100-42-5	Y	
1,1,1,2-Tetrachloroethane	Not detected	10		ug/L	10	630-20-6	Y	
1,1,1-Trichloroethane	150	10		ug/L	10	71-55-6	Y	
1,1,2,2-Tetrachloroethane	Not detected	10		ug/L	10	79-34-5	Y	
1,1,2-Trichloroethane	Not detected	10		ug/L	10	79-00-5	Y	
1,2,3-Trichlorobenzene	Not detected	50		ug/L	10	87-61-6	Y	
1,2,3-Trichloropropane	Not detected	10		ug/L	10	96-18-4	Y	
1,2,3-Trimethylbenzene	Not detected	10		ug/L	10	526-73-8	Y	
1,2,4-Trichlorobenzene	Not detected	50		ug/L	10	120-82-1	Y	
1,2,4-Trimethylbenzene	Not detected	10		ug/L	10	95-63-6	Y	
1,3,5-Trimethylbenzene	Not detected	10		ug/L	10	108-67-8	Y	
Tetrachloroethene	Not detected	10		ug/L	10	127-18-4	Y	700
Tetrahydrofuran*	Not detected	900		ug/L	10	109-99-9	Y	
Toluene	Not detected	10		ug/L	10	108-88-3	Y	
Trichloroethene	Not detected	10		ug/L	10	79-01-6	Y	500
Trichlorofluoromethane	Not detected	10		ug/L	10	75-69-4	Y	
Vinyl chloride	Not detected	10		ug/L	10	75-01-4	Y	200
o-Xylene	Not detected	10		ug/L	10	95-47-6	Y	
p,m-Xylene*	Not detected	20		ug/L	10		Y	

Y-Elevated reporting limit due to high target concentration

Merit Laboratories Login Checklist

Lab Set ID: S29262
Client: ARCADIS_NOVI (ARCADIS U.S., Inc.)
Project: 30105710.01 / Plant 2 Vault Closure
Submitted: 10/13/2021 14:45 Login User: SRS

Attention: Tiffany Linder
Address: Arcadis
28550 Cabot Drive
Suite 500
Novi, MI 48377

Phone: 248-994-2272 FAX:
Email: tiffany.linder@arcadis-us.com

Selection				Description	Note
Sample Receiving					
01.	[X] Yes	[ ] No	[ ] N/A	Samples are received at 4C +/- 2C Thermometer #	IR 4.1
02.	[X] Yes	[ ] No	[ ] N/A	Received on ice/ cooling process begun	
03.	[ ] Yes	[X] No	[ ] N/A	Samples shipped	
04.	[ ] Yes	[X] No	[ ] N/A	Samples left in 24 hr. drop box	
05.	[ ] Yes	[ ] No	[X] N/A	Are there custody seals/tape or is the drop box locked	
Chain of Custody					
06.	[X] Yes	[ ] No	[ ] N/A	COC adequately filled out	
07.	[X] Yes	[ ] No	[ ] N/A	COC signed and relinquished to the lab	
08.	[X] Yes	[ ] No	[ ] N/A	Sample tag on bottles match COC	
09.	[ ] Yes	[X] No	[ ] N/A	Subcontracting needed? Subcontacted to:	
Preservation					
10.	[X] Yes	[ ] No	[ ] N/A	Do sample have correct chemical preservation	
11.	[ ] Yes	[ ] No	[X] N/A	Completed pH checks on preserved samples? (no VOAs)	
12.	[ ] Yes	[X] No	[ ] N/A	Did any samples need to be preserved in the lab?	
Bottle Conditions					
13.	[X] Yes	[ ] No	[ ] N/A	All bottles intact	
14.	[X] Yes	[ ] No	[ ] N/A	Appropriate analytical bottles are used	
15.	[X] Yes	[ ] No	[ ] N/A	Merit bottles used	
16.	[X] Yes	[ ] No	[ ] N/A	Sufficient sample volume received	
17.	[ ] Yes	[X] No	[ ] N/A	Samples require laboratory filtration	
18.	[X] Yes	[ ] No	[ ] N/A	Samples submitted within holding time	
19.	[ ] Yes	[X] No	[ ] N/A	Do water VOC or TOX bottles contain headspace	

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____

Merit Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

140966

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Tiffany Linder
COMPANY: Arcadis
ADDRESS: 28550 Cabot Dr., Ste. 500
CITY: Novi STATE: MI ZIP CODE: 48377
PHONE NO.: 810-225-1928 FAX NO.: P.O. NO.:
E-MAIL ADDRESS: tiffany.linder@arcadis.com QUOTE NO.:

INVOICE TO

CONTACT NAME: SAME ☒
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: 30105710.01/Plant 2 Vault Closure
SAMPLER(S) - PLEASE PRINT/SIGN NAME: A. Mandich/Ayson Mandich

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☒ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES
Project Locations
☐ Detroit ☐ New York
☐ Other
Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs, 8240B	PCBs	TCLP SVOCs	TCLP Metals	pH	Flashpoint	EGLE 28 PFAS				
29262.01	10/13/21	1000	P2 vault	SW	7	4	3						3	2	2	2	2	2	2				29263.01

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Ayson Mandich/Arcadis ☒ Sampler DATE: 10/13/21 TIME: 1415
RECEIVED BY: SIGNATURE/ORGANIZATION: Sam Smith DATE: 10/18/21 TIME: 1445
RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:

RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL: 4.1

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

Analytical Laboratory Report

Report ID: S29263.01(01)
Generated on 10/29/2021

Report to

Attention: Tiffany Linder
Arcadis
28550 Cabot Drive
Suite 500
Novi, MI 48377

Phone: 248-994-2272 FAX:
Email: tiffany.linder@arcadis-us.com

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:
John Laverty (johnlaverty@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S29263.01
Project: 30105710.01 / Plant 2 Vault Closure
Collected Date(s): 10/13/2021
Submitted Date/Time: 10/13/2021 14:45
Sampled by: A. Mandich
P.O. #: 30105710.01

Table of Contents

Maya Murshak
Technical Director

General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request. Starred (*) analytes are not NELAP accredited.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)
PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."
Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.
Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.

Report Narrative

Bottles not provided per method. Sample poured off to analyze.

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Alaska CSLAP	#17-001
Pennsylvania DEP	#68-05884
Wisconsin DNR	FID# 399147320

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched

Method Summary

Method	Version
ASTMD7979-19M	ASTM Method D7979 - 19 Modified (Isotopic Dilution)

Parameter Summary

Parameter	Synonym	Cas #
PFBA	Perfluorobutanoic Acid	375-22-4
PFPeA	Perfluoropentanoic Acid	2706-90-3
4:2 FTSA	4:2 Fluorotelomer Sulfonic Acid	757124-72-4
PFHxA	Perfluorohexanoic Acid	307-24-4
PFBS	Perfluorobutane sulfonic Acid	375-73-5
PFHpA	Perfluoroheptanoic Acid	375-85-9
PFPeS	Perfluoropentane Sulfonic Acid	2706-91-4
6:2 FTSA	6:2 Fluorotelomer Sulfonic Acid	27619-97-2
PFOA	Perfluorooctanoic Acid	335-67-1
PFHxS	Perfluorohexane Sulfonic Acid	355-46-4
PFHxS-LN	Perfluorohexane Sulfonic Acid - LN	355-46-4-LN
PFHxS-BR	Perfluorohexane Sulfonic Acid - BR	355-46-4-BR
PFNA	Perfluorononanoic Acid	375-95-1
8:2 FTSA	8:2 Fluorotelomer Sulfonic Acid	39108-34-4
PFHpS	Perfluoroheptane Sulfonic Acid	375-92-8
PFDA	Perfluorodecanoic Acid	335-76-2
N-MeFOSAA	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9
EtFOSAA	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	2991-50-6
PFOS	Perfluorooctane Sulfonic Acid	1763-23-1
PFOS-LN	Perfluorooctane Sulfonic Acid - LN	1763-23-1-LN
PFOS-BR	Perfluorooctane Sulfonic Acid - BR	1763-23-1-BR
PFUnDA	Perfluoroundecanoic Acid	2058-94-8
PFNS	Perfluorononane Sulfonic Acid	68259-12-1
PFDoDA	Perfluorododecanoic Acid	307-55-1
PFDS	Perfluorodecane Sulfonic Acid	335-77-3
PFTrDA	Perfluorotridecanoic Acid	72629-94-8
FOSA	Perfluorooctane Sulfonamide	754-91-6
PFTeDA	Perfluorotetradecanoic Acid	376-06-7
11Cl-PF3OUdS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9
9Cl-PF3ONS	9-chlorohexadecafluoro-3-oxanone1-sulfonic acid	756426-58-1
ADONA	4,8-dioxa-3H-perfluorononanoic acid	919005-14-4
HFPO-DA	Hexafluoropropylene oxide dimer	13252-13-6

Analytical Laboratory Report

Sample Summary (1 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S29263.01	P2 Vault	Groundwater	10/13/21 10:00

Analytical Laboratory Report

Lab Sample ID: S29263.01
Sample Tag: P2 Vault
Collected Date/Time: 10/13/2021 10:00
Matrix: Groundwater
COC Reference: 140966

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	32oz Glass	None	Yes	4.1	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.89/6.89/10	ASTMD7979-19M	10/21/21 08:00	KCV	

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 10/25/21 20:29, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	40		ng/L	2	375-22-4	X1
PFPeA*	18	4.0		ng/L	2	2706-90-3	1
4:2 FTSA*	Not detected	2.0		ng/L	2	757124-72-4	1
PFHxA*	20	2.0		ng/L	2	307-24-4	1
PFBS*	2.4	2.0		ng/L	2	375-73-5	1
PFHpA*	20	2.0		ng/L	2	375-85-9	1
PFPeS*	Not detected	2.0		ng/L	2	2706-91-4	1
6:2 FTSA*	4.3	4.0		ng/L	2	27619-97-2	1
PFOA*	45	2.0		ng/L	2	335-67-1	1
PFHxS*	3.7	2.0		ng/L	2	355-46-4	1
PFHxS-LN*	3.2	2.0		ng/L	2	355-46-4-LN	1
PFHxS-BR*	Not detected	2.0		ng/L	2	355-46-4-BR	1
PFNA*	7.7	2.0		ng/L	2	375-95-1	1
8:2 FTSA*	5.9	4.0		ng/L	2	39108-34-4	1
PFHpS*	Not detected	2.0		ng/L	2	375-92-8	1
PFDA*	17	2.0		ng/L	2	335-76-2	1
N-MeFOSAA*	Not detected	2.0		ng/L	2	2355-31-9	1
EtFOSAA*	Not detected	4.0		ng/L	2	2991-50-6	1
PFOS*	34	2.0		ng/L	2	1763-23-1	1
PFOS-LN*	23	2.0		ng/L	2	1763-23-1-LN	1
PFOS-BR*	10	2.0		ng/L	2	1763-23-1-BR	1
PFUnDA*	Not detected	2.0		ng/L	2	2058-94-8	1
PFNS*	Not detected	2.0		ng/L	2	68259-12-1	1
PFDoDA*	Not detected	2.0		ng/L	2	307-55-1	1
PFDS*	Not detected	2.0		ng/L	2	335-77-3	1
PFTrDA*	Not detected	2.0		ng/L	2	72629-94-8	1
FOSA*	Not detected	2.0		ng/L	2	754-91-6	1
PFTeDA*	Not detected	4.0		ng/L	2	376-06-7	1
11Cl-PF3OUdS*	Not detected	2.0		ng/L	2	763051-92-9	1
9Cl-PF3ONS*	Not detected	2.0		ng/L	2	756426-58-1	1
ADONA*	Not detected	2.0		ng/L	2	919005-14-4	1
HFPO-DA*	Not detected	10		ng/L	2	13252-13-6	1

X-Elevated reporting limit due to matrix interference 1-Bottles not provided per method. Sample poured off to analyze.

Merit Laboratories Login Checklist

Lab Set ID: S29263
Client: ARCADIS_NOVI (ARCADIS U.S., Inc.)
Project: 30105710.01 / Plant 2 Vault Closure
Submitted: 10/13/2021 14:45 Login User: SRS

Attention: Tiffany Linder
Address: Arcadis
28550 Cabot Drive
Suite 500
Novi, MI 48377

Phone: 248-994-2272 FAX:
Email: tiffany.linder@arcadis-us.com

Selection				Description	Note
Sample Receiving					
01.	[X] Yes	[ ] No	[ ] N/A	Samples are received at 4C +/- 2C Thermometer #	IR 4.1
02.	[X] Yes	[ ] No	[ ] N/A	Received on ice/ cooling process begun	
03.	[ ] Yes	[X] No	[ ] N/A	Samples shipped	
04.	[ ] Yes	[X] No	[ ] N/A	Samples left in 24 hr. drop box	
05.	[ ] Yes	[ ] No	[X] N/A	Are there custody seals/tape or is the drop box locked	
Chain of Custody					
06.	[X] Yes	[ ] No	[ ] N/A	COC adequately filled out	
07.	[X] Yes	[ ] No	[ ] N/A	COC signed and relinquished to the lab	
08.	[X] Yes	[ ] No	[ ] N/A	Sample tag on bottles match COC	
09.	[ ] Yes	[X] No	[ ] N/A	Subcontracting needed? Subcontacted to:	
Preservation					
10.	[ ] Yes	[ ] No	[X] N/A	Do sample have correct chemical preservation	
11.	[ ] Yes	[ ] No	[X] N/A	Completed pH checks on preserved samples? (no VOAs)	
12.	[ ] Yes	[X] No	[ ] N/A	Did any samples need to be preserved in the lab?	
Bottle Conditions					
13.	[X] Yes	[ ] No	[ ] N/A	All bottles intact	
14.	[ ] Yes	[X] No	[ ] N/A	Appropriate analytical bottles are used	
15.	[X] Yes	[ ] No	[ ] N/A	Merit bottles used	
16.	[X] Yes	[ ] No	[ ] N/A	Sufficient sample volume received	
17.	[ ] Yes	[X] No	[ ] N/A	Samples require laboratory filtration	
18.	[X] Yes	[ ] No	[ ] N/A	Samples submitted within holding time	
19.	[ ] Yes	[ ] No	[X] N/A	Do water VOC or TOX bottles contain headspace	

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____

Merit Laboratories, Inc.
2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

140966

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Tiffany Linder
COMPANY: Arcadis
ADDRESS: 28550 Cabot Dr., Ste. 500
CITY: Novi STATE: MI ZIP CODE: 48377
PHONE NO.: 810-225-1928 FAX NO.: P.O. NO.:
E-MAIL ADDRESS: tiffany.linder@arcadis.com QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: 30105710.01/Plant 2 Vault Closure
SAMPLER(S) - PLEASE PRINT/SIGN NAME: A. Mandich /Aaron Mandich

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☒ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES
Project Locations
☐ Detroit ☐ New York
☐ Other
Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	VOCs, 8240B	PCBs	TCLP SVOCs	TCLP Metals	pH	Flashpoint	EGLE 28 PFAS				Special Instructions
29262.01	10/13/21	1000	P2 vault	GW	7	4	3						3	2	2	2	2	2	2				29263.01

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Aaron Mandich/Arcadis ☒ Sampler DATE: 10/13/21 TIME: 1415
RECEIVED BY: SIGNATURE/ORGANIZATION: Sam Smith DATE: 10/13/21 TIME: 1445
RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:

RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 4.1

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

Attachment 2

Waste Manifests

T-46

MANIFEST	1. Generator ID Number: MID980700827	2. Page 1 of 1	3. Emergency Response Phone: CHEMTREC (800)424-9300 (CCN #: 659847)	Waste Tracking Number: 38737

5. Generator's Name and Mailing Address	Generator's Site Address (if different than mailing address)
Racer Trust 2800 W Saginaw St Lansing, MI 48917 United States Generator's Phone:	
6. Transporter 1 Company Name Valicor Environmental Services, LLC	U.S. EPA ID Number OHR000200386
7. Transporter 2 Company Name	U.S. EPA ID Number
8. Designated Facility Name and Site Address Valicor Environmental Services, LLC 27140 Princeton Ave, Inkster, 48141 Facility's Phone: (313) 724-8600	U.S EPA ID Number: MID057002602

9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	Profile #	PO#
Non-Regulated Oily Waste Water	1	TT	7800	gallons		

13. Special Handling Instructions and Additional Information		
	Truck	16323 MI
	Trailer	VTT-21
	Arrival Date	11/15/2021 9:15 AM

14. GENERATOR'S/OFFER'S CERTIFICATION: *I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all aspects in proper condition for transport according to application internal and national governmental regulations.*

Generator's/Offer's Printed/Typed Name	Signature	Month	Day	Year
X A. Mandich on behalf of RACER	X A. Mandich	11	15	21

15. Transporter Acknowledge of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
John Guiles	John A Guiles	11	15	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

16. Discrepancy

16a. Discrepancy Indication Space	Quantity	Type	Residue	Partial Rejection	Full Rejection
	☐	☐	☐	☐	☐

Manifest Reference Number:

17. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 15a.

Printed/Typed Name	Signature	Month	Day	Year
Victoria Mak	Victoria Mak	11	15	21

PH-8

NOV 15 AM 11:45

NOV 15 AM 11:53

MANIFEST	1. Generator ID Number: MID980700827	2. Page 1 of 1	3. Emergency Response Phone: CHEMTREC (800)424-9300 (CCN #: 659847)	Waste Trackine Number: 38738

14

5. Generator's Name and Mailing Address	Generator's Site Address (if different than mailing address)
Racer Trust 2800 W Saginaw St Lansing, MI 48917 United States Generator's Phone:	
6. Transporter 1 Company Name Valicor Environmental Services, LLC	U.S. EPA ID Number OHR000200386
7. Transporter 2 Company Name	U.S. EPA ID Number
8. Designated Facility Name and Site Address Valicor Environmental Services, LLC 27140 Princeton Ave, Inkster, 48141 Facility's Phone: (313) 724-8600	U.S EPA ID Number: MIDD57002602

9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	Profile #	PO#
Non-Regulated Oily Waste Water	001		5,000	gallons		

13. Special Handling Instructions and Additional Information		
	Truck	16320 MI
	Trailer	VTT-19
	Arrival Date	11/15/2021 9:15 AM

14. GENERATOR'S/OFFER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all aspects in proper condition for transport according to application internal and national governmental regulations.

Generator's/Offer's Printed/Typed Name	Signature	Month	Day	Year
A. Mandich on behalf of RACER	Aygoon Mandich	11	15	21

15. Transporter Acknowledge of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
David Lloyd	David Lloyd	11	15	21
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

16. Discrepancy

16a. Discrepancy Indication Space	Quantity	Type	Residue	Partial Rejection	Full Rejection
	☐	☐	☐	☐	☐

Manifest Reference Number:

17. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 15a.

Printed/Typed Name	Signature	Month	Day	Year
Victoria Maki	Victoria Maki	11	15	21

PH-8

12:15 pm

NOV 15 PM 1:24

NOV 15 PM 1:50

5A
10-20

15% Solid 30793

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number N/A	2. Page 1 of 1	3. Emergency Response Phone 800-496-8647	4. Waste Tracking Number 202100822

GENERATOR

5. Generator's Name and Mailing Address
RACER Trust
500 Woodward Avenue, Suite 2650,
Detroit, MI 48226 (248) 417-8449
Generator's Phone:

Generator's Site Address (if different than mailing address)
RACER Trust
2800 West Saginaw Avenue,
Lansing, MI 48909

6. Transporter 1 Company Name: Young's Environmental Cleanup Inc. — U.S. EPA ID Number: MID106869506

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Valicor
27140 Princeton Avenue
Inkster, MI 48141 313-724-8600
Facility's Phone: — U.S. EPA ID Number: MID057002602

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	RCRA Non-Hazardous and Non DOT Regulated Liquid by-Product (Non-Hazardous Groundwater Containing PFAS)	001	TT	705	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

9.1. Contains Non-Hazardous Groundwater **Approval #NK-WWT-001589**
***If spilled, dike area, contain in drums** **WO# 30793**

W/O

OCT 20 PM12:58
OCT 20 PM1:17
OCT 20 PM1:22

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: A. Mandich on Behalf of RACER — Signature: A. Mandich — Month: 10 Day: 20 Year: 21

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Brian TerBurgh — Signature: B. TerBurgh — Month: 10 Day: 20 Year: 21

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Victoria Maki — Signature: Victoria Maki — Month: 10 Day: 20 Year: 21