

Memorandum

TO: City of Auburn Hills Brownfield Redevelopment Authority

FROM: Brian Westhoff, Group Leader, AKT Peerless

DATE: January 5, 2023

SUBJECT: Galloway Creek – 4th Quarter 2022 Results

Galloway Creek Sampling

The City of Auburn Hills retained AKT Peerless to coordinate and conduct sampling of the Galloway Creek from four locations within the city limits. One surface water and one sediment sample were collected from each location (refer to attached Figure).

Sample Locations

- Location A: One surface water and one sediment sample were taken from the Galloway Creek north of 4470 Castlewood Drive.
- Location B: One surface water and one sediment sample were taken from the Galloway Creek along Hole #12 at the Fieldstone Golf Club.
- Location C: One surface water and one sediment sample were taken from the Galloway Creek west of 1361 N Opdyke Road.
- Location D: One surface water and one sediment sample were taken from the Galloway Creek west of 1400 N Squirrel Road.

Analytical Results

On November 7, 2022, four surface water and four sediment samples were collected and submitted to Fibertec Environmental Services for analysis of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), herbicides, pesticides, Michigan 10 Metals, and hexavalent chromium.

Sediment Results:

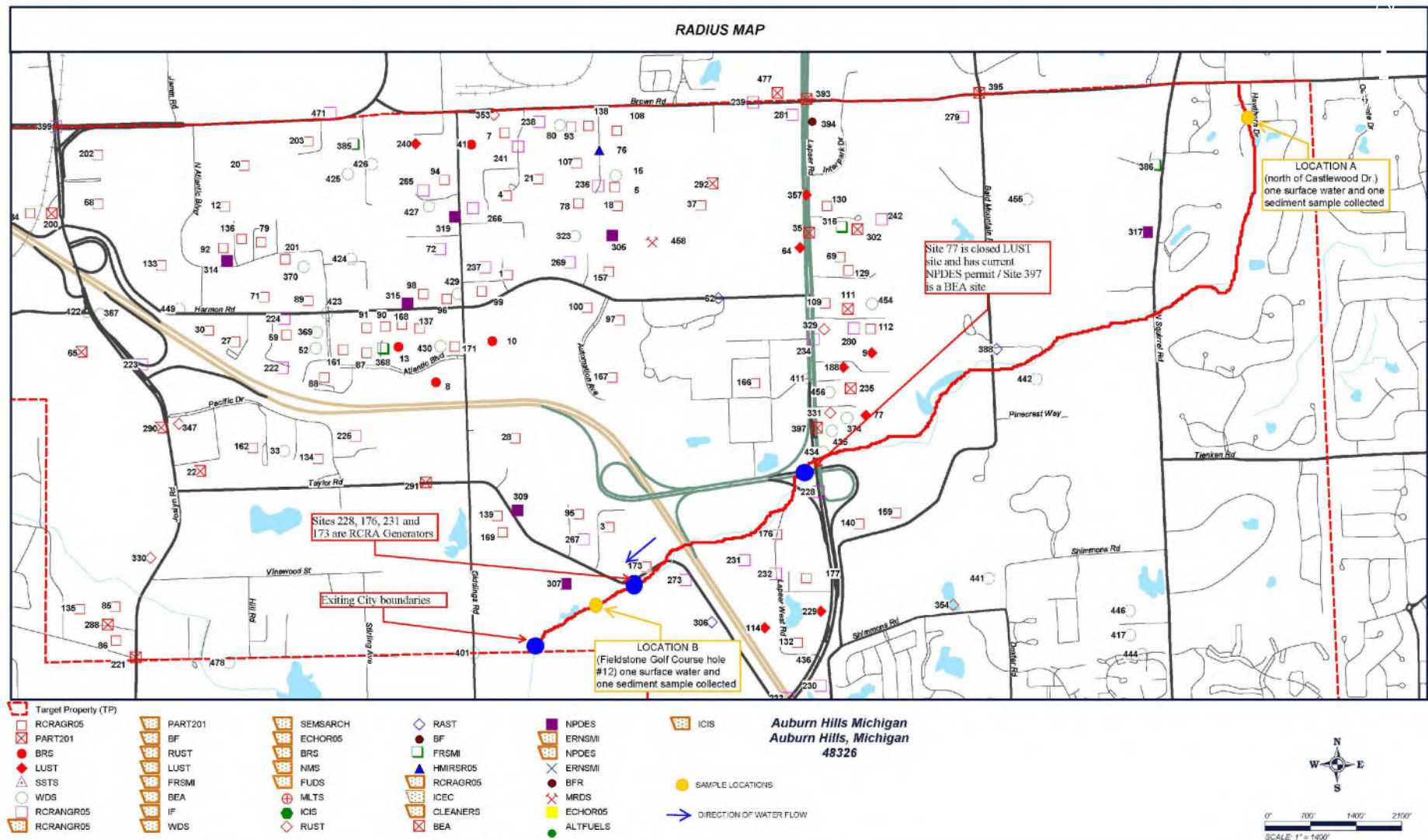
- Chromium (total) detected at all four sediment locations was in the trivalent chromium form. Hexavalent chromium was not detected in any of the sediment samples at concentrations exceeding Residential Cleanup Criteria. Therefore, the Chromium (total) is not a concern.
- Location A and Location B exceeded Residential Drinking Water Protection Criteria and GSIP Criteria for Arsenic.
- Barium, Cadmium, Copper, Lead, and Zinc were above method detection limits but below Residential Cleanup Criteria from each of the four sediment samples.
- Benzo(b)fluoranthene, Chrysene, Fluoranthene, and Pyrene were above method detection limits, but below Residential Cleanup Criteria at Location C.
- The four sediment samples were below method detection limits for the remaining VOCs, SVOCs, PCBs, herbicides, pesticides, and Michigan 10 Metals.

Surface Water Results:

- Barium was above method detection limits but below Residential Cleanup Criteria at Location B.
- Surface water samples were below method detection limits for the remaining VOCs, SVOCs, PCBs, herbicides, pesticides, Michigan 10 Metals, and hexavalent chromium.

Next Actions:

- Future sampling will be on a quarterly basis for 2023.



GeoSearch www.geo-search.com - phone: 866-396-0042 - fax: 512-472-9967

JOB #: 193674 - 8/9/2017

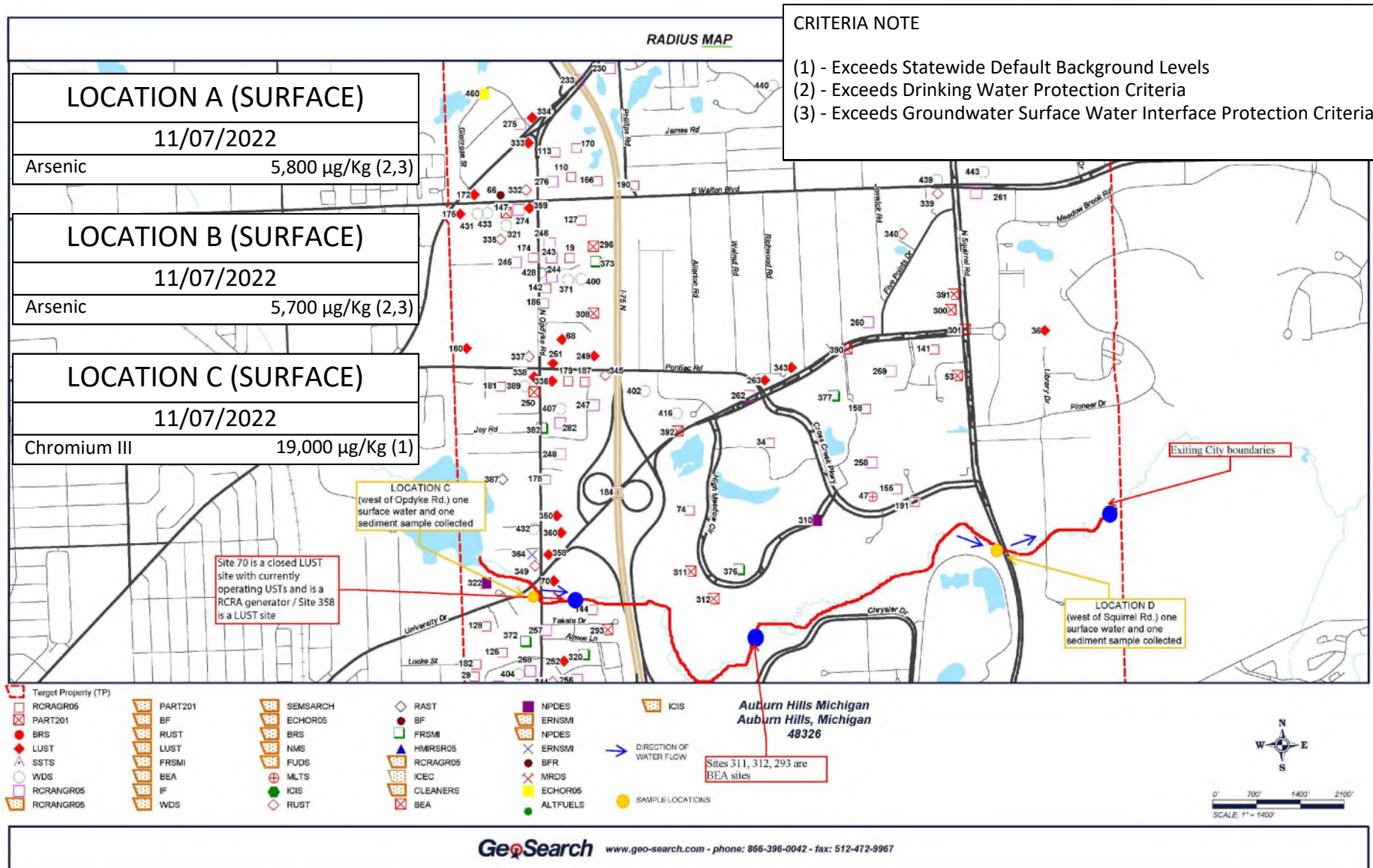
AKT PEERLESSTM
ENVIRONMENTAL SERVICES

SAMPLE LOCATION MAP
NE CORNER OF LAPEER ROAD AND I-75 INTERCHANGE
AUBURN HILLS, MICHIGAN
PROJECT NUMBER: 13038F-3-20

DRAWN BY: MST/ARR
DATE: 12/08/2022

SCALE AS SHOWN

FIGURE 1



JOB # 180674 - 8/8/2017

Table 1 - Summary of Sediment Analytical Results
Galloway Creek
Auburn Hills, Michigan
AKT Peerless Project No. 13038F-3-20

[illegible]

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Galloway Creek
Auburn Hills, Michigan
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Parameters*	Chemical Abstract Service Number	Residential										Sample Location	Location A	Location A	Location A	Location A	Location B	Location B	Location B	Location B	Location C	Location C	Location C	Location C	Location D	Location D	Location D	Location D
		Statewide Default Background Levels	Drinking Water Protection Criteria	Groundwater Surface Water Interface Protection Criteria	Soil Volatilization to Indoor Air Inhalation Criteria	Infinite Source Volatile Soil Inhalation Criteria (VSIC)	Finite VSIC for 5 Meter Source Thickness	Finite VSIC for 2 Meter Source Thickness	Particulate Soil Inhalation Criteria	Direct Contact Criteria	Soil Saturation Concentration Screening Levels	Collection Date	03/25/22	06/02/22	08/05/22	11/07/22	03/25/22	06/02/22	08/05/22	11/07/22	03/25/22	06/02/22	08/05/22	11/07/22	03/25/22	06/02/22	08/05/22	11/07/22
												Depth	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface
Dibenzofuran	132-64-9	NA	ID	1,700	2.0E+6	1.3E+5	1.3E+5	1.3E+5	6.7E+6	ID	NA		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	1,700	<430	<330	<330	<330	<330
2,4-Dichlorophenol	120-83-2	NA	1,500	330 (M); 220	NLV	NLV	NLV	NLV	5.1E+9	6.6E+5 (DD)	1.8E+6		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<900	<330	<330	<330	<330
Diethyl phthalate	84-66-2	NA	1.1E+5	2,200	NLV	NLV	NLV	NLV	3.3E+9	1.7E+8 (C)	7.4E+5		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<900	<330	<330	<330	<330
2,4-Dimethylphenol	105-67-9	NA	7,400	7,600	NLV	NLV	NLV	NLV	4.7E+9	1.1E+7	NA		<330	<330	<330	<330	<2,300	<2,300	<330	<330	<2,100	<2,100	<900	<900	<330	<330	<330	<330
Dimethyl phthalate	131-11-3	NA	1.5E+6 (C)	NA	NLV	NLV	NLV	NLV	3.3E+9	1.0E+9 (C,D)	7.9E+5		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<900	<330	<330	<330	<330
Di-n-butyl phthalate	84-74-2	NA	9.6E+5 (C)	11,000	NLV	NLV	NLV	NLV	3.3E+9	2.7E+7 (C)	7.6E+5		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<900	<330	<330	<330	<330
2,4-Dinitrophenol	51-28-5												<870	<870	<4,100	<4,100	<9,100	<9,100	<4,200	<4,200	<8,500	<8,500	<18,000	<18,000	<830	<830	<830	<830
2,4-Dinitrotoluene	121-14-2	NA	430	NA	NLV	NLV	NLV	NLV	1.6E+7	48,000	NA		<330	<330	<330	<330	<910	<910	<330	<330	<850	<850	<900	<900	<330	<330	<330	<330
2,6-Dinitrotoluene	606-20-2												<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<900	<330	<330	<330	<330
Di-n-octyl phthalate	117-84-0	NA	1.0E+8	ID	NLV	NLV	NLV	NLV	3.1E+10	6.9E+6	1.4E+8		<330	<330	<330	<330	<2,300	<2,300	<330	<330	<2,100	<2,100	<900	<900	<330	<330	<330	<330
bis(2-Ethylhexyl)phthalate	117-81-7	NA	NLL	NLL	NLV	NLV	NLV	NLV	7.0E+8	2.8E+6	1.0E+7		<330	<330	<330	<330	<2,300	<2,300	<330	<330	<2,100	<2,100	<900	<900	<330	<330	<330	<330
Hexachlorobenzene (C-66)	118-74-1	NA	1,800	350	41,000	17,000	17,000	17,000	6.8E+6	8,900	NA		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<900	<330	<330	<330	<330
Hexachlorocyclopentadiene (C-56)	77-47-4	NA	3.2E+5	ID	30,000	50,000	50,000	50,000	1.3E+7	2.3E+6 (C)	7.2E+5		<330	<330	<1,000	<1,000	<2,300	<2,300	<1,000	<1,000	<2,100	<2,100	<4,500	<4,500	<330	<330	<330	<330
Hexachloroethane	67-72-1	NA	430	1,800 (X)	40,000	5.5E+5	9.3E+5	9.3E+5	2.3E+8	2.3E+5	NA		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<900	<330	<330	<330	<330
Isophorone	78-59-1	NA	15,000	26,000 (X)	NLV	NLV	NLV	NLV	1.2E+10	4.8E+6 (C)	2.4E+6		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<900	<330	<330	<330	<330
2-Methyl-4,6-dinitrophenol	534-52-1	NA	830 (M); 400	NA	NLV	NLV	NLV	NLV	1.3E+8	79,000	NA		<830	<830	<1,000	<1,000	<4,500	<4,500	<1,000	<1,000	<4,300	<4,300	<4,500	<4,500	<830	<830	<830	<830
Methylphenol, 2-	95-48-7												<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<900	<330	<330	<330	<330
Methylphenol, 3- and 4-	MEPH1314												<660	<660	<660	<660	<660	<660	<660	<660	<660	<660	<900	<900	<660	<660	<660	<660
2-Nitroaniline	88-74-4												<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<900	<330	<330	<330	<330
3-Nitroaniline	99-09-2												<830	<830	<830	<830	<830	<830	<830	<830	<830	<830	<900	<900	<830	<830	<830	<830
4-Nitroaniline	100-01-6												<830	<830	<830	<830	<830	<830	<830	<830	<830	<830	<900	<900	<830	<830	<830	<830
Nitrobenzene (I)	98-95-3	NA	330 (M); 68	3,600 (X)	91,000	54,000	54,000	54,000	4.7E+7	1.0E+5	4.9E+5		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<900	<330	<330	<330	<330
2-Nitrophenol	88-75-5	NA	400	ID	NLV	NLV	NLV	NLV	ID	6.3E+5	NA		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<900	<330	<330	<330	<330
4-Nitrophenol	100-02-7												<830	<830	<4,100	<4,100	<2,300	<2,300	<4,200	<4,200	<2,100	<2,100	<18,000	<18,000	<830	<830	<830	<830
N-Nitrosodimethylamine	62-75-9												<330	<330	<330	<330	<2,300	<2,300	<330	<330	<2,100	<2,100	<900	<900	<330	<330	<330	<330
n-Nitroso-di-n-propylamine	621-64-7	NA	330 (M); 100	NA	NLV	NLV	NLV	NLV	1.6E+6	1,200	1.5E+6		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<900	<330	<330	<330	<330
N-Nitrosodiphenylamine	86-30-6	NA	5,400	NA	NLV	NLV	NLV	NLV	2.2E+9	1.7E+6	NA		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<900	<330	<330	<330	<330
Pentachlorophenol	87-86-5	NA	22	(G,X)	NLV	NLV	NLV	NLV	1.0E+8	90,000	NA		<800	<800	<4,100	<4,100	<2,300	<2,300	<4,200	<4,200	<2,100	<2,100	<18,000	<18,000	<800	<800	<820	<820
Phenol	108-95-2	NA	88,000	9,000	NLV	NLV	NLV	NLV	4.0E+10	4.0E+7 (C,DD)	1.2E+7		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<900	<330	<330	<330	<330
Pyridine (I)	110-86-1	NA	400	NA	1,100	8,200	40,000	97,000	2.3E+8	2.3E+5 (C)	37,000		<330	<330	<330	<330	<2,300	<2,300	<330	<330	<2,100	<2,100	<900	<900	<330	<330	<330	<330
2,4,5-Trichlorophenol	95-95-4	NA	39,000	NA	NLV	NLV	NLV	NLV	2.3E+10	2.3E+7	NA		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<900	<330	<330	<330	<330
2,4,6-Trichlorophenol	88-06-2	NA	2,400	330 (M); 100	NLV	NLV	NLV	NLV	1.0E+9	7.1E+5	NA		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<900	<330	<330	<330	<330
Semivolatiles, PNAs																												
Acenaphthene	83-32-9	NA	3.0E+5	8,700	1.9E+8	8.1E+7	8.1E+7	8.1E+7	1.4E+10	4.1E+7	NA		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	2,700	<860	<330	<330	<330	<330
Acenaphthylene	208-96-8	NA	5,900	ID	1.6E+6	2.2E+6	2.2E+6	2.2E+6	2.3E+9	1.6E+6	NA		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	<900	<860	<330	<330	<330	<330
Anthracene	120-12-7	NA	41,000	ID	1.0E+9 (D)	1.4E+9	1.4E+9	1.4E+9	6.7E+10	2.3E+8	NA		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	4,700	<860	<330	<330	<330	<330
Benzo(a)anthracene (Q)	56-55-3	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	20,000	NA		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	13,000	<860	<330	<330	<330	<330
Benzo(a)pyrene (Q)	50-32-8	NA	NLL	NLL	NLV	NLV	NLV	NLV	1.5E+6	2,000	NA		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	11,000	<860	<330	<330	<330	<330
Benzo(b)fluoranthene (Q)	205-99-2	NA	NLL	NLL	ID	ID	ID	ID	ID	20,000	NA		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	18,000	1,300	<330	<330	<330	<330
Benzo(g,h,i)perylene	191-24-2	NA	NLL	NLL	NLV	NLV	NLV	NLV	8.0E+8	2.5E+6	NA		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	8,800	<860	<330	<330	<330	<330
Benzo(k)fluoranthene (Q)	207-08-9	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	2.0E+5	NA		<330	<330	<330	<330	<450	<450	<330	<330	<430	<430	6,200	<860	<330	<330	<330	<330
Chrysene (Q)	218-01-9	NA	NLL	NLL	ID	ID	ID	ID																				

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Galloway Creek
Auburn Hills, Michigan
AKT Peerless Project No. 13038F-3-20

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Table 2: Summary of Surface Water Analytical Results
Galloway Creek
Auburn Hills, Michigan
AKT Peerless Project No. 13038F-3-20

Residential							Sample Location	Location A	Location A	Location A	Location A	Location B	Location B	Location B	Location B	Location C	Location C	Location C	Location C	Location D	Location D	Location D	Location D	
Parameters	Chemical Abstract Service Number	Drinking Water Criteria	Groundwater Surface Water Interface Criteria	Groundwater Volatilization to Indoor Air Inhalation Criteria	Water Solubility	Flammability and Explosivity Screening Level	Collection Date	03/25/22	06/02/22	08/05/22	11/07/22	03/25/22	06/02/22	08/05/22	11/07/22	03/25/22	06/02/22	08/05/22	11/07/22	03/25/22	06/02/22	08/05/22	11/07/22	
(Refer to detailed laboratory report for method reference data)							Screen Depth	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	
Metals																								
Arsenic	7440-38-2	10 (A)	10	NLV	NA	ID		<5.0	<0.0050	<0.0050	<0.0050	<5.0	<0.0050	<0.0050	<0.0050	<5.0	<0.0050	<0.0050	<0.0050	<5.0	<0.0050	<0.0050	<0.0050	
Barium (B)	7440-39-3	2,000 (A)	(G)	NLV	NA	ID		<100	<0.10	<0.10	<0.10	<100	<0.10	<0.10	0.11	<100	<0.10	<0.10	<0.10	<100	<0.10	<0.10	<0.10	
Cadmium (B)	7440-43-9	5.0 (A)	(G,X)	NLV	NA	ID		<1.0	<0.0010	<0.0010	<0.0010	<1.0	<0.0010	<0.0010	<0.0010	<1.0	<0.0010	<0.0010	<0.0010	<1.0	<0.0010	<0.0010	<0.0010	
Chromium, Total	7440-47-3	100 (A)	11	NLV	NA	ID		<10	<0.010	<0.010	<0.010	<10	<0.010	<0.010	<0.010	<10	<0.010	<0.010	<0.010	<10	<0.010	<0.010	<0.010	
Chromium VI	18540-29-9	100 (A)	11	NLV	NA	ID		<5.0	<0.0050	<0.0050	<0.0050	<5.0	<0.0050	<0.0050	<0.0050	<5.0	<0.0050	<0.0050	<0.0050	<5.0	<0.0050	<0.0050	<0.0050	
Copper (B)	7440-50-8	1,000 (E)	(G)	NLV	NA	ID		<4.0	<0.0040	<0.0040	<0.0040	<4.0	<0.0040	<0.0040	<0.0040	<4.0	<0.0040	<0.0040	<0.0040	<4.0	<0.0040	<0.0040	<0.0040	
Lead (B)	7439-92-1	4.0 (L)	(G,X)	NLV	NA	ID		<3.0	<0.0030	<0.0030	<0.0030	<3.0	<0.0030	<0.0030	<0.0030	<3.0	<0.0030	<0.0030	<0.0030	<3.0	<0.0030	<0.0030	<0.0030	
Mercury, Total	7439-97-6	2.0 (A)	0.0013	56 (S)	56	ID		<0.20	<0.00020	<0.00020	<0.00020	<0.20	<0.00020	<0.00020	<0.00020	<0.20	<0.00020	<0.00020	<0.00020	<0.20	<0.00020	<0.00020	<0.00020	
Selenium (B)	7782-49-2	50 (A)	5.0	NLV	NA	ID		<5.0	<0.0050	<0.0050	<0.0050	<5.0	<0.0050	<0.0050	<0.0050	<5.0	<0.0050	<0.0050	<0.0050	<5.0	<0.0050	<0.0050	<0.0050	
Silver (B)	7440-22-4	34	0.2 (M); 0.06	NLV	NA	ID		<0.20	<0.00020	<0.00020	<0.00020	<0.20	<0.00020	<0.00020	<0.00020	<0.20	<0.00020	<0.00020	<0.00020	<0.20	<0.00020	<0.00020	<0.00020	
Zinc (B)	7440-66-6	2,400	(G)	NLV	NA	ID		<50	0.054	<0.050	<0.050	<50	<0.050	<0.050	<0.050	<50	<0.050	<0.050	<0.050	<50	0.059	<0.050	<0.050	
PCBs																								
PCB, Aroclor 1016	12674-11-2							<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	
PCB, Aroclor 1221	11104-28-2							<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	
PCB, Aroclor 1232	11141-16-5							<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	
PCB, Aroclor 1242	53469-21-9							<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	
PCB, Aroclor 1248	12672-29-6							<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	
PCB, Aroclor 1254	11097-69-1							<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	
PCB, Aroclor 1260	11096-82-5							<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	
PCB, Aroclor 1262	37324-23-5							<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	
PCB, Aroclor 1268	11100-14-4							<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	
Polychlorinated biphenyls (PCBs) (I,T)	1336-36-3	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	44.7	ID		<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	<0.20	<0.000200	<0.000200	<0.000200	
Pesticides																								
Dalapon	75-99-0	200 (A)	NA	NLV	5.02E+8	ID		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Dicamba	1918-00-9	220	NA	NLV	4.5E+6	ID		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
2,4-Dichlorophenoxyacetic acid	94-75-7	70 (A)	220	NLV	6.80E+5	ID		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Dinoseb	88-85-7	7.0 (A)	1.0 (M); 0.48	NLV	52,000	ID		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
Silvex (2,4,5-TP)	93-72-1	50 (A)	30	NLV	1.40E+5	ID		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Pesticides, Chlorinated																								
Aldrin	309-00-2	0.098	0.01 (M); 8.7E-6	180 (S)	180	ID		<0.010	<0.0000100	<0.0000100	<0.0000100	<0.010	<0.0000100	<0.0000100	<0.0000100	<0.010	<0.0000100	<0.0000100	<0.0000100	<0.010	<0.0000100	<0.0000100	<0.0000100	
Chlordane (I)	57-74-9	2.0 (A)	2.0 (M); 0.00025	56 (S)	56	ID		<0.050	<0.0000500	<0.0000500	<0.0000500	<0.050	<0.0000500	<0.0000500	<0.0000500	<0.050	<0.0000500	<0.0000500	<0.0000500	<0.050	<0.0000500	<0.0000500	<0.0000500	
4,4'-DDD	72-54-8	9.1	NA	NLV	90	ID		<0.020	<0.0000200	<0.0000200	<0.0000200	<0.020	<0.0000200	<0.0000200	<0.0000200	<0.020	<0.0000200	<0.0000200	<0.0000200	<0.020	<0.0000200	<0.0000200	<0.0000200	
4,4'-DDE	72-55-9	4.3	NA	NLV	120	ID		<0.020	<0.0000200	<0.0000200	<0.0000200	<0.020	<0.0000200	<0.0000200	<0.0000200	<0.020	<0.0000200	<0.0000200	<0.0000200	<0.020	<0.0000200	<0.0000200	<0.0000200	
4,4'-DDT	50-29-3	3.6	0.02 (M); 1.1E-5	NLV	25	NA		<0.020	<0.0000200	<0.0000200	<0.0000200	<0.020	<0.0000200	<0.0000200	<0.0000200	<0.020	<0.0000200	<0.0000200	<0.0000200	<0.020	<0.0000200	<0.0000200	<0.0000200	
Dieldrin	60-57-1	0.11	0.02 (M); 6.5E-6	200 (S)	195	ID		<0.020	<0.0000200	<0.0000200	<0.0000200	<0.020	<0.0000200	<0.0000200	<0.0000200	<0.020	<0.0000200	<0.0000200	<0.0000200	<0.020	<0.0000200	<0.0000200	<0.0000200	
Endosulfan I	959-98-8							<0.030	<0.0000500	<0.0000500	<0.0000500	<0.030	<0.0000500	<0.0000500	<0.0000500	<0.030	<0.0000500	<0.0000500	<0.0000500	<0.030	<0.0000500	<0.0000500	<0.0000500	
Endosulfan II	33213-65-9							<0.020	<0.0000200	<0.0000200	<0.0000200	<0.020	<0.0000200	<0.0000200	<0.0000200	<0.020	<0.0000200	<0.0000200	<0.0000200	<0.020	<0.0000200	<0.0000200	<0.0000200	
Endrin	72-20-8																							

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Galloway Creek
Auburn Hills, Michigan
AKT Peerless Project No. 13038F-3-20

Residential							Sample Location	Location A	Location A	Location A	Location A	Location B	Location B	Location B	Location B	Location C	Location C	Location C	Location C	Location D	Location D	Location D	Location D
Parameters	Chemical Abstract Service Number	Drinking Water Criteria	Groundwater Surface Water Interface Criteria	Groundwater Volatilization to Indoor Air Inhalation Criteria	Water Solubility	Flammability and Explosivity Screening Level	Collection Date	03/25/22	06/02/22	08/05/22	11/07/22	03/25/22	06/02/22	08/05/22	11/07/22	03/25/22	06/02/22	08/05/22	11/07/22	03/25/22	06/02/22	08/05/22	11/07/22
(Refer to detailed laboratory report for method reference data)							Screen Depth	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface
Pyridine (I)	110-86-1	20 (M); 7.3	NA	5,500	3.00E+5	81,000		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2,4,5-Trichlorophenol	95-95-4	730	NA	NLV	1.20E+6	ID		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
2,4,6-Trichlorophenol	88-06-2	120	5.0	NLV	8.00E+5	ID		<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Semivolatiles, PNAs																							
Acenaphthene	83-32-9	1,300	38	4,200 (S)	4,240	ID		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acenaphthylene	208-96-8	52	ID	3,900 (S)	3,930	ID		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Anthracene	120-12-7	43 (S)	ID	43 (S)	43.4	ID		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzo(a)anthracene (Q)	56-55-3	2.1	ID	NLV	9.4	ID		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(a)pyrene (Q)	50-32-8	5.0 (A)	ID	NLV	1.62	ID		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(b)fluoranthene (Q)	205-99-2	1.5 (S, AA)	ID	ID	1.5	ID		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(g,h,i)perylene	191-24-2	1.0 (M); 0.26 (S)	ID	NLV	0.26	ID		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Benzo(k)fluoranthene (Q)	207-08-9	1.0 (M); 0.8 (S)	NA	NLV	0.8	ID		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chrysene (Q)	218-01-9	1.6 (S)	ID	ID	1.6	ID		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibenzo(a,h)anthracene (Q)	53-70-3	2.0 (M); 0.21	ID	NLV	2.49	ID		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Fluoranthene	206-44-0	210 (S)	1.6	210 (S)	206	ID		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Fluorene	86-73-7	880	12	2,000 (S)	1,980	ID		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Indeno(1,2,3-cd)pyrene (Q)	193-39-5	2.0 (M); 0.022 (S)	ID	NLV	0.022	ID		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
2-Methylnaphthalene	91-57-6	260	19	25,000 (S)	24,600	ID		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<0.00500	<0.00500	<5.0	<5.0	<5.0	<5.0	<5.0
Phenanthrene	85-01-8	52	2.0 (M); 1.7	1,000 (S)	1,000	ID		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Pyrene	129-00-0	140 (S)	ID	140 (S)	135	ID		<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Toxaphene																							
Toxaphene	8001-35-2	3.0 (A)	1.0 (M); 6.8E-5	NLV	740	ID		<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100
Volatiles																							
Acetone (I)	67-64-1	730	1,700	1.0E+9 (D,S)	1.0E+9	1.5E+7		<50.0	<0.0500	<0.0500	<0.0500	<50.0	<0.0500	<0.0500	<0.0500	<50.0	<0.0500	<0.0500	<0.0500	<50.0	<0.0500	<0.0500	<0.0500
Acrylonitrile (I)	107-13-1	2.6	2.0 (M); 1.2	34,000	7.50E+7	6.4E+6		<2.0	<0.00200	<0.00200	<0.00200	<2.0	<0.00200	<0.00200	<0.00200	<2.0	<0.00200	<0.00200	<0.00200	<2.0	<0.00200	<0.00200	<0.00200
Benzene (I)	71-43-2	5.0 (A)	200 (X)	5,600	1.75E+6	68,000		<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100
Bromobenzene (I)	108-86-1	18	NA	1.8E+5	4.13E+5	ID		<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100
Bromochloromethane	74-97-5							<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100
Bromodichloromethane	75-27-4	80 (A,W)	ID	4,800	6.74E+6	ID		<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100
Bromoform	75-25-2	80 (A,W)	ID	4.7E+5	3.10E+6	ID		<5.0	<0.00100	<0.00100	<0.00100	<5.0	<0.00100	<0.00100	<0.00100	<5.0	<0.00100	<0.00100	<0.00100	<5.0	<0.00100	<0.00100	<0.00100
Bromomethane	74-83-9	10	5.0 (M); 4.2	4,000	1.45E+7	ID		<1.0	<0.00500	<0.00500	<0.00500	<1.0	<0.00500	<0.00500	<0.00500	<1.0	<0.00500	<0.00500	<0.00500	<1.0	<0.00500	<0.00500	<0.00500
2-Butanone (MEK) (I)	78-93-3	13,000	2,200	2.4E+8 (S)	2.40E+8	ID		<25	<0.0250	<0.0250	<0.0250	<25	<0.0250	<0.0250	<0.0250	<25	<0.0250	<0.0250	<0.0250	<25	<0.0250	<0.0250	<0.0250
n-Butylbenzene	104-51-8	80	ID	ID	NA	ID		<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100
sec-Butylbenzene	135-98-8	80	ID	ID	NA	ID		<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100
tert-Butylbenzene (I)	98-06-6	80	ID	ID	NA	ID		<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100
Carbon disulfide (I,R)	75-15-0	800	ID	2.5E+5	1.19E+6	13,000		<5.0	<0.00500	<0.00500	<0.00500	<5.0	<0.00500	<0.00500	<0.00500	<5.0	<0.00500	<0.00500	<0.00500	<5.0	<0.00500	<0.00500	<0.00500
Carbon tetrachloride	56-23-5	5.0 (A)	38 (X)	370	7.93E+5	ID		<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0.00100	<0.00100	<0.00100
Chlorobenzene (I)	108-90-7	100 (A)	25	2.1E+5	4.72E+5	1.6E+5		<1.0	<0.00100	<0.00100	<0.00100	<1.0	<0										

- (A) Criterion is the state of Michigan drinking water standard established pursuant to Section 5 of 1976 PA 399, MCL 325.1005.
- (B) Background, as defined in R 299.1(b), may be substituted if higher than the calculated cleanup criterion. Background levels may be less than criteria for some inorganic compounds.
- (C) The criterion developed under R 299.20 to R 299.26 exceeds the chemical-specific soil saturation screening level (C_{sat}). The person proposing or implementing response activity shall document whether additional response activity is required to control free-phase liquids or NAPL to protect against risks associated with free-phase liquids by using methods appropriate for the free-phase liquids present. Development of a site-specific C_{sat} or methods presented in R 299.22, R 299.24(5), and R 299.26(8) may be conducted for the relevant exposure pathways.
- (D) Calculated criterion exceeds 100 percent, hence it is reduced to 100 percent or 1.0E+9 parts per billion (ppb).
- (E) Criterion is the aesthetic drinking water value, as required by Section 20120a(5) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA). A notice of aesthetic impact may be employed as an institutional control mechanism if groundwater concentrations exceed the aesthetic drinking water criterion, but do not exceed the applicable health-based drinking water value [as provided in the table in Footnote (E) in R 299.49].
- (F) Criterion is based on adverse impacts to plant life and phytotoxicity.
- (G) Groundwater surface water interface (GSI) criterion depends on the pH or water hardness, or both, of the receiving surface water. The final chronic value (FCV) for the protection of aquatic life shall be calculated based on the pH or hardness of the receiving surface water. Where water hardness exceeds 400 mg CaCO_3/L , use 400 mg CaCO_3/L for the FCV calculation. The FCV formula provides values in units of $\mu\text{g}/\text{L}$ or ppb. The generic GSI criterion is the lesser of the calculated FCV, the wildlife value (WV), and the surface water human non-drinking water value (HNDV). The soil GSI protection criteria for these hazardous substances are the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote. [See table in Footnote (G) in R 299.49].
- (H) Valence-specific chromium data (Cr III and Cr VI) shall be compared to the corresponding valence-specific cleanup criteria. If both Cr III and Cr VI are present in groundwater, the total concentration of both cannot exceed the drinking water criterion of 100 $\mu\text{g}/\text{L}$. If analytical data are provided for total chromium only, they shall be compared to the cleanup criteria for Cr VI. Cr III soil cleanup criterion for protection of drinking water can only be used at sites where groundwater is prevented from being used as a public water supply, currently and in the future, through an approved land or resource use restriction.
- (I) Hazardous substance may exhibit the characteristic of ignitability as defined in 40 C.F.R. §261.21 (revised as of July 1, 2001), which is adopted by reference in these rules.
- (J) Hazardous substance may be present in several isomer forms. Isomer-specific concentrations shall be added together for comparison to criteria.
- (K) Hazardous substance may be flammable or explosive, or both.
- (L) Criteria for lead are derived using a biologically based model, as allowed for under Section 20120a(9) of the NREPA, and are not calculated using the algorithms and assumptions specified in pathway-specific rules. The generic residential drinking water criterion of 4 $\mu\text{g}/\text{L}$ is linked to the generic residential soil direct contact criterion of 400 mg/kg. A higher concentration in the drinking water, up to the state action level of 15 $\mu\text{g}/\text{L}$, may be allowed as a site-specific remedy and still allow for drinking water use, under Section 20120a(2) of the NREPA if soil concentrations are appropriately lower than 400 mg/kg. If a site-specific criterion is approved based on this subdivision, a notice shall be filed on the deed for all property where the groundwater concentrations will exceed 4 $\mu\text{g}/\text{L}$ to provide notice of the potential for unacceptable risk if soil or groundwater concentrations increase. Acceptable concentrations of site-specific soil and drinking water concentrations are presented in the [table in Footnote (L) in R 299.49].
- (M) Calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.
- (N) The concentrations of all potential sources of nitrate-nitrogen (e.g., ammonia-N, nitrite-N, nitrate-N) in groundwater that is used as a source of drinking water shall not, when added together, exceed the nitrate drinking water criterion of 10,000 $\mu\text{g}/\text{L}$. Where leaching to groundwater is a relevant pathway, soil concentrations of all potential sources of nitrate-nitrogen shall not, when added together, exceed the nitrate drinking water protection criterion of 2.0E+5 $\mu\text{g}/\text{kg}$.
- (O) The concentration of all polychlorinated and polybrominated dibenzodioxin and dibenzofuran isomers present at a facility, expressed as an equivalent concentration of 2,3,7,8-tetrachlorodibenzo-p-dioxin based upon their relative potency, shall be added together and compared to the criterion for 2,3,7,8-tetrachlorodibenzo-p-dioxin. The generic cleanup criteria for 2,3,7,8-tetrachlorodibenzo-p-dioxin are not calculated according to the algorithms presented in R 299.14 to R 299.26. The generic cleanup criteria are being held at the values that the DEQ has used since August 1998, in recognition of the fact that national efforts to reassess risks posed by dioxin are not yet complete. Until these studies are complete, it is premature to select a revised slope factor and/or reference dose for calculation of generic cleanup criteria.
- (P) Amenable cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with all groundwater criteria. Total cyanide methods or method OIA-1677 shall be used to quantify cyanide concentrations for compliance with soil criteria. Nonresidential direct contact criteria may not be protective of the potential for release of hydrogen cyanide gas. Additional land or resource use restrictions may be necessary to protect for the acute inhalation concerns associated with hydrogen cyanide gas.
- (Q) Criteria for carcinogenic polycyclic aromatic hydrocarbons were developed using relative potential potencies to benzo(a)pyrene.
- (R) Hazardous substance may exhibit the characteristic of reactivity as defined in 40 C.F.R. §261.23 (revised as of July 1, 2001), which is adopted by reference in these rules.
- (S) Criterion defaults to the hazardous substance-specific water solubility limit.
- (T) Refer to the federal Toxic Substances Control Act (TSCA), 40 C.F.R. §761, subpart D and 40 C.F.R. §761, Subpart G, to determine the applicability of TSCA cleanup standards. Subpart D and subpart G of 40 C.F.R. §761 (July 1, 2001) are adopted by reference in these rules. Alternatives to compliance with the TSCA standards listed below are possible under 40 C.F.R. §761 Subpart D. New releases may be subject to the standards identified in 40 C.F.R. §761, Subpart G. Use Part 201 soil direct contact cleanup criteria in the following table if TSCA standards are not applicable. [See table in Footnote (T) in R 299.49].
- (U) Hazardous substance may exhibit the characteristic of corrosivity as defined in 40 C.F.R. §261.22 (revised as of July 1, 2001), which is adopted by reference in these rules.
- (V) Criterion is the aesthetic drinking water value as required by Section 20120a(5) of the NREPA. Concentrations up to 200 $\mu\text{g}/\text{L}$ may be acceptable, and still allow for drinking water use, as part of a site-specific cleanup under Section 20120a(2) and 20120b of the NREPA.
- (W) Concentrations of trihalomethanes in groundwater shall be added together to determine compliance with the Michigan drinking water standard of 80 $\mu\text{g}/\text{L}$. Concentrations of trihalomethanes in soil shall be added together to determine compliance with the drinking water protection criterion of 1,600 $\mu\text{g}/\text{kg}$.
- (X) The GSI criterion shown in the generic cleanup criteria tables is not protective for surface water that is used as a drinking water source. For a groundwater discharge to the Great Lakes and their connecting waters or discharge in close proximity to a water supply intake in inland surface waters, the generic GSI criterion shall be the surface water human drinking water value (HDV) listed in the [table in Footnote (X) in R 299.49], except for those HDV indicated with an asterisk. For HDV with an asterisk, the generic GSI criterion shall be the lowest of the HDV, the WV, and the calculated FCV. See formulas in [the table in Footnote (G) in R 299.49]. Soil protection criteria based on the HDV shall be as listed in the [table in Footnote (X) in R 299.49], except for those values with an asterisk. Soil GSI protection criteria based on the HDV shall be as listed in the [table in Footnote (X) in R 299.49], except for those values with an asterisk. Soil GSI protection criteria for compounds with an asterisk shall be the greater of 20 times the GSI criterion or the GSI soil-water partition values using the GSI criteria developed with the procedure described in this footnote.
- (Y) Source size modifiers shown in the [table in Footnote (Y) in R 299.49] shall be used to determine soil inhalation criteria for ambient air when the source size is not one-half acre. The modifier shall be multiplied by the generic soil inhalation criteria shown in the table of generic cleanup criteria to determine the applicable criterion. See Footnote (C) in R 299.49.
- (Z) Mercury is typically measured as total mercury. The generic cleanup criteria, however, are based on data for different species of mercury. Specifically, data for elemental mercury, chemical abstract service (CAS) number 7439976, serve as the basis for the soil volatilization to indoor air criteria, groundwater volatilization to indoor air, and soil inhalation criteria. Data for methyl mercury, CAS number 22967926, serve as the basis for the GSI criterion; and data for mercuric chloride, CAS number 7487947, serve as the basis for the drinking water, groundwater contact, soil direct contact, and the groundwater protection criteria. Comparison to criteria shall be based on species-specific analytical data only if sufficient facility characterization has been conducted to rule out the presence of other species of mercury.
- (AA) Use 10,000 $\mu\text{g}/\text{L}$ where groundwater enters a structure through the use of a water well, sump or other device. Use 28,000 $\mu\text{g}/\text{L}$ for all other uses.
- (BB) The state drinking water standard for asbestos (fibers greater than 10 micrometers in length) is in units of a million fibers per liter of water (MFL). Soil concentrations of asbestos are determined by polarized light microscopy.
- (CC) Groundwater: The generic GSI criteria are based on the toxicity of unionized ammonia (NH_3); the criteria are 29 $\mu\text{g}/\text{L}$ and 53 $\mu\text{g}/\text{L}$ for cold water and warm water surface water, respectively. As a result, the GSI criterion shall be compared to the percent of the total ammonia concentration in the groundwater that will become NH_3 in the surface water. This percent NH_3 is a function of the pH and temperature of the receiving surface water and can be estimated using the [table in Footnote (CC) in R 299.49], taken from Emerson, et al., (Journal of the Fisheries Research Board of Canada, Volume 32(12):2382, 1975). The generic approach for estimating NH_3 assumes a default pH of 8 and default temperatures of 68 °F and 85 °F for cold water and warm water surface water, respectively. The resulting NH_3 is 3.8 percent and 7.2 percent for cold water and warm water, respectively. This default percentage shall be multiplied by the total ammonia-nitrogen ($\text{NH}_3\text{-N}$) concentration in the groundwater and the resulting NH_3 concentration compared to the applicable GSI criterion. As an alternative, the maximum pH and temperature data from the specific receiving surface water can be used to estimate, from the [table in Footnote (CC) in R 299.49], a lower percent unionized ammonia concentration for comparison to the generic GSI.
Soil: The generic soil GSI protection criteria for unionized ammonia are 580 $\mu\text{g}/\text{kg}$ and 1.100 $\mu\text{g}/\text{kg}$ for cold water and warm water surface water, respectively.
- (DD) Hazardous substance causes developmental effects. Residential direct contact criteria are protective of both prenatal and postnatal exposure. Nonresidential direct contact criteria are protective for a pregnant adult receptor.
- (EE) The [values listed in the table in Footnote (EE) in 299.49] are applicable generic GSI criteria as required by Section 20120e of the NREPA.
- (FF) The chloride GSI criterion shall be 125 mg/L when the discharge is to surface waters of the state designated as public water supply sources or 50 mg/L when the discharge is to the Great Lakes or connecting waters. Chloride GSI criteria shall not apply for surface waters of the state that are not designated as a public water supply source, however, the total dissolved solids criterion is applicable.
- (GG) Risk-based criteria are not available for methane due to insufficient toxicity data. An acceptable soil gas concentration (presented for both residential and nonresidential land uses) was derived utilizing 25 percent of the lower explosive level for methane. This equates to 1.25 percent or 8.4E+6 $\mu\text{g}/\text{m}^3$.
- (HH) The residential criterion for sodium is 230,000 $\mu\text{g}/\text{L}$ in accordance with the Sodium Advisory Council recommendation and revised Groundwater Discharge Standards.
- ID Insufficient data to develop criterion.
- NA A criterion or value is not available or, in the case of background and CAS numbers, not applicable.
- NLL Hazardous substance is not likely to leach under most soil conditions.
- NLV Hazardous substance is not likely to volatilize under most conditions.
- $\mu\text{g}/\text{kg}$ Micrograms per kilogram
- $\mu\text{g}/\text{L}$ Micrograms per liter
- NS Not sampled
- BDL Below Laboratory Method Detection Limits
- BOLD** Exceeds highlighted criteria.



Wednesday, November 30, 2022

Fibertec Project Number: A11924
Project Identification: 13038F-3-20 /13038F-3-20
Submittal Date: 11/07/2022

Mr. Brian Westhoff
AKT Peerless Environ. Svcs, Inc. - Farm. Hills
22725 Orchard Lake Road
Farmington Hills, MI 48336

Dear Mr. Westhoff,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

A handwritten signature in dark ink, appearing to read "Sue Ricketts".

By Sue Ricketts at 1:52 PM, Nov 30, 2022

For Daryl P. Strandbergh
Laboratory Director

Enclosures

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location A	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	11:41

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Michigan 10 Elements by ICP/MS, Dissolved						Aliquot ID:	A11924-001C	Matrix: Surface Water		
Method: EPA 0200.8 (Dissolved)/EPA 0200.8						Description:	Location A			
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	U		mg/L	0.0050	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
2. Barium	U		mg/L	0.10	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
3. Cadmium	U		mg/L	0.0010	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
4. Chromium	U		mg/L	0.010	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
5. Copper	U		mg/L	0.0040	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
6. Lead	U		mg/L	0.0030	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
7. Selenium	U		mg/L	0.0050	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
8. Silver	U		mg/L	0.00020	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
9. Zinc	U		mg/L	0.050	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA

Mercury by CVAAS, Dissolved						Aliquot ID:	A11924-001C	Matrix: Surface Water		
Method: EPA 0245.1						Description:	Location A			
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	U		mg/L	0.00020	1.0	11/10/22	PM22K10A	11/10/22	M722K10A	JLH

Polychlorinated Biphenyls (PCBs)						Aliquot ID:	A11924-001	Matrix: Surface Water		
Method: EPA 0608.3						Description:	Location A			
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aroclor-1016	U	V+	mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:40	SO22K23A	TKT
2. Aroclor-1221	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:40	SO22K23A	TKT
3. Aroclor-1232	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:40	SO22K23A	TKT
4. Aroclor-1242	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:40	SO22K23A	TKT
5. Aroclor-1248	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:40	SO22K23A	TKT
6. Aroclor-1254	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:40	SO22K23A	TKT
7. Aroclor-1260	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:40	SO22K23A	TKT
‡ 8. Aroclor-1262	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:40	SO22K23A	TKT
‡ 9. Aroclor-1268	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:40	SO22K23A	TKT

Organochlorine Pesticides						Aliquot ID:	A11924-001	Matrix: Surface Water		
Method: EPA 0608.3						Description:	Location A			
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U	*	mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-001

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location A	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	11:41

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides
Method: EPA 0608.3

Aliquot ID: A11924-001
Description: Location A
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
2. alpha-BHC	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT
3. beta-BHC	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT
4. delta-BHC	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT
5. gamma-BHC	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT
6. Chlordane	U	V+	mg/L	0.0000500	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT
7. 4,4'-DDD	U		mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT
8. 4,4'-DDE	U	V+	mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT
9. 4,4'-DDT	U	V+ L+	mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT
10. Dieldrin	U		mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT
11. Endosulfan I	U		mg/L	0.000500	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT
12. Endosulfan II	U		mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT
13. Endosulfan Sulfate	U		mg/L	0.0000500	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT
14. Endrin	U	V+ L+	mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT
15. Endrin Aldehyde	U		mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT
16. Heptachlor	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT
17. Heptachlor Epoxide	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT
18. Methoxychlor	U		mg/L	0.000500	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT
19. Toxaphene	U	V+	mg/L	0.00100	1.0	11/10/22	PS22K10I	11/11/22 14:27	SO22K11B	TKT

Organochlorine Herbicides
Method: EPA 0615

Aliquot ID: A11924-001
Description: Location A
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. 2,4-D	U	V+	µg/L	10	5.0	11/10/22	PS22K10J	11/16/22 23:46	SC22K16A	TKT
‡ 2. Dalapon	U	V+	µg/L	10	5.0	11/10/22	PS22K10J	11/16/22 23:46	SC22K16A	TKT
‡ 3. 2,4-DB	U	V+ G+	µg/L	10	5.0	11/10/22	PS22K10J	11/17/22 14:39	SC22K16A	TKT
‡ 4. Dicamba	U	V+	µg/L	1.0	5.0	11/10/22	PS22K10J	11/16/22 23:46	SC22K16A	TKT
‡ 5. Dichlorprop	U	V+	µg/L	10	5.0	11/10/22	PS22K10J	11/16/22 23:46	SC22K16A	TKT
‡ 6. Dinoseb	U	V+	µg/L	5.0	5.0	11/10/22	PS22K10J	11/16/22 23:46	SC22K16A	TKT
‡ 7. 2,4,5-T	U	V+	µg/L	1.0	5.0	11/10/22	PS22K10J	11/16/22 23:46	SC22K16A	TKT
‡ 8. 2,4,5-TP	U	V+	µg/L	1.0	5.0	11/10/22	PS22K10J	11/16/22 23:46	SC22K16A	TKT

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-001

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location A	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	11:41

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS
Method: EPA 0624.1

Aliquot ID: A11924-001B
Description: Location A
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		mg/L	0.0500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
2. Acrylonitrile	U		mg/L	0.00200	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
3. Benzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 4. Bromobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 5. Bromochloromethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
6. Bromodichloromethane	U	V+ L+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 7. Bromoform (SIM)	U	V+ L+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
8. Bromomethane	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
9. 2-Butanone	U		mg/L	0.0250	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 10. n-Butylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 11. sec-Butylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 12. tert-Butylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 13. Carbon Disulfide	U	V+ L+	mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
14. Carbon Tetrachloride	U	V+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
15. Chlorobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
16. Chloroethane	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
17. Chloroform	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
18. Chloromethane	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 19. 2-Chlorotoluene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
21. Dibromochloromethane	U	V+ L+	mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 22. Dibromomethane	U	V+	mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
23. 1,2-Dichlorobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
24. 1,3-Dichlorobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
25. 1,4-Dichlorobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 26. Dichlorodifluoromethane	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
27. 1,1-Dichloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
28. 1,2-Dichloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
29. 1,1-Dichloroethene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
30. cis-1,2-Dichloroethene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
31. trans-1,2-Dichloroethene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
32. 1,2-Dichloropropane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
33. cis-1,3-Dichloropropene	U	V+	mg/L	0.000500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
34. trans-1,3-Dichloropropene	U	V+	mg/L	0.000500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location A	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	11:41

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS
Method: EPA 0624.1

Aliquot ID: A11924-001B **Matrix: Surface Water**
Description: Location A

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
35. Ethylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
36. Ethylene Dibromide	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 37. 2-Hexanone	U	V+	mg/L	0.0500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 38. Isopropylbenzene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 39. 4-Methyl-2-pentanone	U		mg/L	0.0500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
40. Methylene Chloride	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 41. 2-Methylnaphthalene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
42. MTBE	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
43. Naphthalene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 44. n-Propylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 45. Styrene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 46. 1,1,1,2-Tetrachloroethane	U	V+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
47. 1,1,2,2-Tetrachloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
48. Tetrachloroethene	U	V+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
49. Toluene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 50. 1,2,4-Trichlorobenzene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
51. 1,1,1-Trichloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
52. 1,1,2-Trichloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
53. Trichloroethene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
54. Trichlorofluoromethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 55. 1,2,3-Trichloropropane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 56. 1,2,3-Trimethylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 57. 1,2,4-Trimethylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
‡ 58. 1,3,5-Trimethylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
59. Vinyl Chloride	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
60. m&p-Xylene	U		mg/L	0.00200	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
61. o-Xylene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC
62. Xylenes	U		mg/L	0.00300	1.0	11/10/22	VM22K10A	11/10/22 12:27	VM22K10A	BRC

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 0625.1

Aliquot ID: A11924-001 **Matrix: Surface Water**
Description: Location A

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Acenaphthene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
2. Acenaphthylene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
‡ 3. Aniline	U	V-	µg/L	4.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-001

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location A	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	11:41

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 0625.1

Aliquot ID: A11924-001
Description: Location A
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
4. Anthracene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
‡ 5. Azobenzene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
6. Benzo(a)anthracene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
7. Benzo(a)pyrene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
8. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
9. Benzo(ghi)perylene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
10. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
‡ 11. Benzyl Alcohol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
12. Bis(2-chloroethoxy)methane	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
13. Bis(2-chloroethyl)ether	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
14. Bis(2-ethylhexyl)phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
15. 4-Bromophenyl Phenylether	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
16. Butyl Benzyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
17. Di-n-butyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
‡ 18. Carbazole	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
19. 4-Chloro-3-methylphenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
20. 2-Chloronaphthalene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
21. 2-Chlorophenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
22. 4-Chlorophenyl Phenylether	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
23. Chrysene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
24. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
‡ 25. Dibenzofuran	U		µg/L	4.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
26. 2,4-Dichlorophenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
27. Diethyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
28. 2,4-Dimethylphenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
29. Dimethyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
30. 2,4-Dinitrophenol	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
‡ 31. 2,4-Dinitrotoluene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
‡ 32. 2,6-Dinitrotoluene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
33. Fluoranthene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
34. Fluorene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
35. Hexachlorobenzene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
36. Hexachlorobutadiene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
37. Hexachlorocyclopentadiene	U	L+ V+	µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
38. Hexachloroethane	U	L-	µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
39. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-001

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location A	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	11:41

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 0625.1

Aliquot ID: A11924-001
Description: Location A
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
‡ 40. Isophorone	U	V+ L+	µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
41. 2-Methyl-4,6-dinitrophenol	U	V+	µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
‡ 42. 2-Methylnaphthalene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
43. 2-Methylphenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
‡ 44. 3&4-Methylphenol	U		µg/L	10	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
45. Naphthalene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
‡ 46. 2-Nitroaniline	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
‡ 47. 3-Nitroaniline	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
‡ 48. 4-Nitroaniline	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
49. Nitrobenzene	U		µg/L	3.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
50. 2-Nitrophenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
51. 4-Nitrophenol	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
52. N-Nitrosodimethylamine	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
53. N-Nitrosodi-n-propylamine	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
54. N-Nitrosodiphenylamine	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
55. Di-n-octyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
56. 2,2'-Oxybis(1-chloropropane)	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
57. Pentachlorophenol	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
58. Phenanthrene	U		µg/L	2.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
59. Phenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
60. Pyrene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
61. Pyridine	U	V-	µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
62. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
63. 2,4,5-Trichlorophenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD
64. 2,4,6-Trichlorophenol	U		µg/L	4.0	1.0	11/11/22	PS22K11D	11/13/22 20:03	SN22K13A	SJD

Chromium, Hexavalent, Dissolved
Method: SM 3500-Cr B-2011

Aliquot ID: A11924-001A
Description: Location A
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Chromium VI	U		mg/L	0.0050	1.0	NA	NA	11/08/22 08:51	W322K08A	RJM

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-002

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location A	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	11:51
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Water (Moisture) Content Dried at 105 ± 5°C						Aliquot ID: A11924-002	Matrix: Soil/Solid				
Method: ASTM D2216-10						Description: Location A					
						Preparation		Analysis			
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)		23		%	1	1.0	11/10/22	MC221110	11/11/22	MC221110	LJK

Michigan 10 Elements by ICP/MS					Aliquot ID:	A11924-002	Matrix: Soil/Solid			
Method: EPA 0200.2/EPA 6020A					Description:	Location A				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	5800		µg/kg	100	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
2. Barium	30000		µg/kg	1000	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
3. Cadmium	98		µg/kg	50	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
4. Chromium	11000		µg/kg	500	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
5. Copper	7300		µg/kg	1000	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
6. Lead	5600		µg/kg	1000	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
7. Selenium	U		µg/kg	200	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
8. Silver	U		µg/kg	100	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
9. Zinc	35000		µg/kg	1000	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA

Chromium, Hexavalent						Aliquot ID: A11924-002	Matrix: Soil/Solid			
Method: EPA 3060A/EPA 7196A						Description: Location A				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Chromium VI	U	F-	µg/kg	520	1.0	11/11/22	W222K11H	11/14/22	W222K11H	ARC

Mercury by CVAAS						Aliquot ID:	A11924-002	Matrix: Soil/Solid			
Method: EPA 7471B						Description:	Location A				
						-----Preparation-----		-----Analysis-----			
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.	
1. Mercury	U		µg/kg	50	10	11/14/22	PM22K14A	11/14/22	M722K14A	JLH	

Organochlorine Pesticides					Aliquot ID: A11924-002	Matrix: Soil/Solid				
Method: EPA 3546/EPA 8081B					Description: Location A					
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT
2. alpha-BHC	U		µg/kg	10	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-002

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location A	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	11:51
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Organochlorine Pesticides
Method: EPA 3546/EPA 8081B

Aliquot ID: A11924-002
Description: Location A
Matrix: Soil/Solid

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
3. beta-BHC	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT
4. delta-BHC	U	V-	µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT
5. gamma-BHC	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT
6. Chlordane	U	V+	µg/kg	25	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT
10. Dieldrin	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT
11. Endosulfan I	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT
12. Endosulfan II	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT
14. Endrin	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT
16. Heptachlor	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT
18. Methoxychlor	U		µg/kg	50	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT
19. Toxaphene	U		µg/kg	170	5.0	11/09/22	PS22K09D	11/09/22 19:24	SO22K09B	TKT

Polychlorinated Biphenyls (PCBs)
Method: EPA 3546/EPA 8082A

Aliquot ID: A11924-002
Description: Location A
Matrix: Soil/Solid

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Aroclor-1016	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:05	SO22K09D	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:05	SO22K09D	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:05	SO22K09D	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:05	SO22K09D	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:05	SO22K09D	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:05	SO22K09D	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:05	SO22K09D	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:05	SO22K09D	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:05	SO22K09D	TKT

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-002

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location A	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	11:51
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Organochlorine Herbicides						Aliquot ID: A11924-002	Matrix: Soil/Solid				
Method: EPA 8151A						Description: Location A					
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis			
						P. Date	P. Batch	A. Date	A. Batch	Init.	
‡ 1. 2,4-D	U	V+ G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 18:54	SC22K16A	TKT	
‡ 2. Dalapon	U	G+ F-	µg/kg	100	5.0	11/10/22	PS22K10H	11/16/22 18:54	SC22K16A	TKT	
‡ 3. 2,4-DB	U	V+ G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 18:54	SC22K16A	TKT	
‡ 4. Dicamba	U	V+ G+ L+ F-	µg/kg	100	5.0	11/10/22	PS22K10H	11/16/22 18:54	SC22K16A	TKT	
‡ 5. Dichlorprop	U	V+ G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 18:54	SC22K16A	TKT	
‡ 6. Dinoseb	U	V+ G+ *	µg/kg	100	5.0	11/10/22	PS22K10H	11/16/22 18:54	SC22K16A	TKT	
‡ 7. 2,4,5-T	U	V+ G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 18:54	SC22K16A	TKT	
‡ 8. 2,4,5-TP	U	G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 18:54	SC22K16A	TKT	

Volatile Organic Compounds (VOCs) by GC/MS, 5035						Aliquot ID: A11924-002A	Matrix: Soil/Solid				
Method: EPA 5035A/EPA 8260D						Description: Location A					
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis			
						P. Date	P. Batch	A. Date	A. Batch	Init.	
1. Acetone	U	V+	µg/kg	1000	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC	
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC	
3. Benzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC	
4. Bromobenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC	
5. Bromochloromethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC	
6. Bromodichloromethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC	
7. Bromoform	U	V+	µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC	
8. Bromomethane	U		µg/kg	200	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC	
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC	
10. n-Butylbenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC	
11. sec-Butylbenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC	
12. tert-Butylbenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC	

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-002

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location A	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	11:51
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035
Method: EPA 5035A/EPA 8260D

Aliquot ID: A11924-002A **Matrix: Soil/Solid**
Description: Location A

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
13. Carbon Disulfide	U	V+ L+	µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
14. Carbon Tetrachloride	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
15. Chlorobenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
16. Chloroethane	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
17. Chloroform	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
18. Chloromethane	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
19. 2-Chlorotoluene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
21. Dibromochloromethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
22. Dibromomethane	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
33. cis-1,3-Dichloropropene	U	V+	µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
34. trans-1,3-Dichloropropene	U	V+	µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
35. Ethylbenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
36. Ethylene Dibromide	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
37. 2-Hexanone	U	V+ L+	µg/kg	2500	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
38. Isopropylbenzene	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
39. 4-Methyl-2-pentanone	U	V+ L+	µg/kg	2500	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
40. Methylene Chloride	U		µg/kg	160	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
42. MTBE	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
43. Naphthalene	U		µg/kg	330	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
44. n-Propylbenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
45. Styrene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
47. 1,1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-002

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location A	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	11:51
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035
Method: EPA 5035A/EPA 8260D

Aliquot ID: A11924-002A **Matrix: Soil/Solid**
Description: Location A

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
48. Tetrachloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
49. Toluene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
53. Trichloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
54. Trichlorofluoromethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
59. Vinyl Chloride	U		µg/kg	40	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
60. m&p-Xylene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
61. o-Xylene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC
‡ 62. Xylenes	U		µg/kg	150	1.0	11/08/22	VJ22K08A	11/08/22 12:44	VJ22K08A	SNC

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 3550C/EPA 8270E

Aliquot ID: A11924-002 **Matrix: Soil/Solid**
Description: Location A

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Acenaphthene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
2. Acenaphthylene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
3. Aniline	U	V-Y1	µg/kg	2200	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
4. Anthracene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
‡ 5. Azobenzene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
6. Benzo(a)anthracene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
7. Benzo(a)pyrene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
8. Benzo(b)fluoranthene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
9. Benzo(ghi)perylene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
10. Benzo(k)fluoranthene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
11. Benzyl Alcohol	U		µg/kg	3300	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
12. Bis(2-chloroethoxy)methane	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
13. Bis(2-chloroethyl)ether	U	Y1	µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
14. Bis(2-ethylhexyl)phthalate	U	Y1	µg/kg	2200	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
15. 4-Bromophenyl Phenylether	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-002

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location A	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	11:51
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 3550C/EPA 8270E

Aliquot ID: A11924-002
Description: Location A
Matrix: Soil/Solid

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
16. Butyl Benzyl Phthalate	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
17. Di-n-butyl Phthalate	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
‡ 18. Carbazole	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
19. 4-Chloro-3-methylphenol	U	Y1	µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
20. 2-Chloronaphthalene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
21. 2-Chlorophenol	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
22. 4-Chlorophenyl Phenylether	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
23. Chrysene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
24. Dibenzo(a,h)anthracene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
25. Dibenzofuran	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
26. 2,4-Dichlorophenol	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
27. Diethyl Phthalate	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
28. 2,4-Dimethylphenol	U	L- Y1	µg/kg	2200	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
29. Dimethyl Phthalate	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
30. 2,4-Dinitrophenol	U	Y1	µg/kg	8700	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
‡ 31. 2,4-Dinitrotoluene	U	Y1	µg/kg	870	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
33. Fluoranthene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
34. Fluorene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
35. Hexachlorobenzene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
36. Hexachlorobutadiene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
37. Hexachlorocyclopentadiene	U	Y1	µg/kg	2200	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
38. Hexachloroethane	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
‡ 40. Isophorone	U	V+ L+	µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
41. 2-Methyl-4,6-dinitrophenol	U		µg/kg	4300	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
42. 2-Methylnaphthalene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
43. 2-Methylphenol	U	L-	µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
‡ 44. 3&4-Methylphenol	U	L-	µg/kg	660	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
45. Naphthalene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
46. 2-Nitroaniline	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
47. 3-Nitroaniline	U		µg/kg	830	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
48. 4-Nitroaniline	U		µg/kg	830	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
49. Nitrobenzene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
50. 2-Nitrophenol	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-002

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location A	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	11:51
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 3550C/EPA 8270E

Aliquot ID: A11924-002
Description: Location A
Matrix: Soil/Solid

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
51. 4-Nitrophenol	U	Y1	µg/kg	2200	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
52. N-Nitrosodimethylamine	U	Y1	µg/kg	2200	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
53. N-Nitrosodi-n-propylamine	U	L-	µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
54. N-Nitrosodiphenylamine	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
55. Di-n-octyl Phthalate	U	Y1	µg/kg	2200	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
57. Pentachlorophenol	U	Y1	µg/kg	2200	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
58. Phenanthrene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
59. Phenol	U	L-	µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
60. Pyrene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
61. Pyridine	U	V-Y1	µg/kg	2200	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
63. 2,4,5-Trichlorophenol	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD
64. 2,4,6-Trichlorophenol	U		µg/kg	430	10	11/09/22	PS22K09F	11/10/22 03:42	SN22K09C	SJD

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location B	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	10:27

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Michigan 10 Elements by ICP/MS, Dissolved Aliquot ID: **A11924-003C** Matrix: **Surface Water**
Method: EPA 0200.8 (Dissolved)/EPA 0200.8 Description: **Location B**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Arsenic	U		mg/L	0.0050	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
2. Barium	0.11		mg/L	0.10	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
3. Cadmium	U		mg/L	0.0010	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
4. Chromium	U		mg/L	0.010	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
5. Copper	U		mg/L	0.0040	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
6. Lead	U		mg/L	0.0030	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
7. Selenium	U		mg/L	0.0050	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
8. Silver	U		mg/L	0.00020	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
9. Zinc	U		mg/L	0.050	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA

Mercury by CVAAS, Dissolved Aliquot ID: **A11924-003C** Matrix: **Surface Water**
Method: EPA 0245.1 Description: **Location B**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Mercury	U		mg/L	0.00020	1.0	11/10/22	PM22K10A	11/10/22	M722K10A	JLH

Polychlorinated Biphenyls (PCBs) Aliquot ID: **A11924-003** Matrix: **Surface Water**
Method: EPA 0608.3 Description: **Location B**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Aroclor-1016	U	V+	mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:51	SO22K23A	TKT
2. Aroclor-1221	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:51	SO22K23A	TKT
3. Aroclor-1232	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:51	SO22K23A	TKT
4. Aroclor-1242	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:51	SO22K23A	TKT
5. Aroclor-1248	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:51	SO22K23A	TKT
6. Aroclor-1254	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:51	SO22K23A	TKT
7. Aroclor-1260	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:51	SO22K23A	TKT
‡ 8. Aroclor-1262	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:51	SO22K23A	TKT
‡ 9. Aroclor-1268	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 11:51	SO22K23A	TKT

Organochlorine Pesticides Aliquot ID: **A11924-003** Matrix: **Surface Water**
Method: EPA 0608.3 Description: **Location B**

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Aldrin	U	*	mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-003

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location B	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	10:27

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides
Method: EPA 0608.3

Aliquot ID: A11924-003
Description: Location B
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
2. alpha-BHC	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT
3. beta-BHC	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT
4. delta-BHC	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT
5. gamma-BHC	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT
6. Chlordane	U	V+	mg/L	0.0000500	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT
7. 4,4'-DDD	U		mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT
8. 4,4'-DDE	U	V+	mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT
9. 4,4'-DDT	U	V+ L+	mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT
10. Dieldrin	U		mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT
11. Endosulfan I	U		mg/L	0.000500	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT
12. Endosulfan II	U		mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT
13. Endosulfan Sulfate	U		mg/L	0.0000500	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT
14. Endrin	U	V+ L+	mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT
15. Endrin Aldehyde	U		mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT
16. Heptachlor	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT
17. Heptachlor Epoxide	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT
18. Methoxychlor	U		mg/L	0.000500	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT
19. Toxaphene	U	V+	mg/L	0.00100	1.0	11/10/22	PS22K10I	11/11/22 14:40	SO22K11B	TKT

Organochlorine Herbicides
Method: EPA 0615

Aliquot ID: A11924-003
Description: Location B
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. 2,4-D	U	V+	µg/L	10	5.0	11/10/22	PS22K10J	11/17/22 00:19	SC22K16A	TKT
‡ 2. Dalapon	U	V+	µg/L	10	5.0	11/10/22	PS22K10J	11/17/22 00:19	SC22K16A	TKT
‡ 3. 2,4-DB	U	V+ G+	µg/L	10	5.0	11/10/22	PS22K10J	11/17/22 15:12	SC22K16A	TKT
‡ 4. Dicamba	U	V+	µg/L	1.0	5.0	11/10/22	PS22K10J	11/17/22 00:19	SC22K16A	TKT
‡ 5. Dichlorprop	U	V+	µg/L	10	5.0	11/10/22	PS22K10J	11/17/22 00:19	SC22K16A	TKT
‡ 6. Dinoseb	U	V+	µg/L	5.0	5.0	11/10/22	PS22K10J	11/17/22 00:19	SC22K16A	TKT
‡ 7. 2,4,5-T	U	V+	µg/L	1.0	5.0	11/10/22	PS22K10J	11/17/22 00:19	SC22K16A	TKT
‡ 8. 2,4,5-TP	U	V+	µg/L	1.0	5.0	11/10/22	PS22K10J	11/17/22 00:19	SC22K16A	TKT

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-003

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location B	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	10:27

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS
Method: EPA 0624.1

Aliquot ID: A11924-003B
Description: Location B
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		mg/L	0.0500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
2. Acrylonitrile	U		mg/L	0.00200	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
3. Benzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 4. Bromobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 5. Bromochloromethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
6. Bromodichloromethane	U	V+ L+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 7. Bromoform (SIM)	U	V+ L+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
8. Bromomethane	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
9. 2-Butanone	U		mg/L	0.0250	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 10. n-Butylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 11. sec-Butylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 12. tert-Butylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 13. Carbon Disulfide	U	V+ L+	mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
14. Carbon Tetrachloride	U	V+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
15. Chlorobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
16. Chloroethane	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
17. Chloroform	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
18. Chloromethane	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 19. 2-Chlorotoluene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
21. Dibromochloromethane	U	V+ L+	mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 22. Dibromomethane	U	V+	mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
23. 1,2-Dichlorobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
24. 1,3-Dichlorobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
25. 1,4-Dichlorobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 26. Dichlorodifluoromethane	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
27. 1,1-Dichloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
28. 1,2-Dichloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
29. 1,1-Dichloroethene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
30. cis-1,2-Dichloroethene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
31. trans-1,2-Dichloroethene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
32. 1,2-Dichloropropane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
33. cis-1,3-Dichloropropene	U	V+	mg/L	0.000500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
34. trans-1,3-Dichloropropene	U	V+	mg/L	0.000500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-003

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location B	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	10:27

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS
Method: EPA 0624.1

Aliquot ID: A11924-003B **Matrix: Surface Water**
Description: Location B

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
35. Ethylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
36. Ethylene Dibromide	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 37. 2-Hexanone	U	V+	mg/L	0.0500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 38. Isopropylbenzene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 39. 4-Methyl-2-pentanone	U		mg/L	0.0500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
40. Methylene Chloride	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 41. 2-Methylnaphthalene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
42. MTBE	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
43. Naphthalene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 44. n-Propylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 45. Styrene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 46. 1,1,1,2-Tetrachloroethane	U	V+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
47. 1,1,2,2-Tetrachloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
48. Tetrachloroethene	U	V+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
49. Toluene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 50. 1,2,4-Trichlorobenzene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
51. 1,1,1-Trichloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
52. 1,1,2-Trichloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
53. Trichloroethene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
54. Trichlorofluoromethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 55. 1,2,3-Trichloropropane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 56. 1,2,3-Trimethylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 57. 1,2,4-Trimethylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
‡ 58. 1,3,5-Trimethylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
59. Vinyl Chloride	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
60. m&p-Xylene	U		mg/L	0.00200	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
61. o-Xylene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC
62. Xylenes	U		mg/L	0.00300	1.0	11/10/22	VM22K10A	11/10/22 12:55	VM22K10A	BRC

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 0625.1

Aliquot ID: A11924-003 **Matrix: Surface Water**
Description: Location B

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Acenaphthene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
2. Acenaphthylene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
‡ 3. Aniline	U	V-	µg/L	4.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-003

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location B	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	10:27

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 0625.1

Aliquot ID: A11924-003
Description: Location B
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
4. Anthracene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
‡ 5. Azobenzene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
6. Benzo(a)anthracene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
7. Benzo(a)pyrene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
8. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
9. Benzo(ghi)perylene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
10. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
‡ 11. Benzyl Alcohol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
12. Bis(2-chloroethoxy)methane	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
13. Bis(2-chloroethyl)ether	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
14. Bis(2-ethylhexyl)phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
15. 4-Bromophenyl Phenylether	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
16. Butyl Benzyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
17. Di-n-butyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
‡ 18. Carbazole	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
19. 4-Chloro-3-methylphenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
20. 2-Chloronaphthalene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
21. 2-Chlorophenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
22. 4-Chlorophenyl Phenylether	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
23. Chrysene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
24. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
‡ 25. Dibenzofuran	U		µg/L	4.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
26. 2,4-Dichlorophenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
27. Diethyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
28. 2,4-Dimethylphenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
29. Dimethyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
30. 2,4-Dinitrophenol	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
‡ 31. 2,4-Dinitrotoluene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
‡ 32. 2,6-Dinitrotoluene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
33. Fluoranthene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
34. Fluorene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
35. Hexachlorobenzene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
36. Hexachlorobutadiene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
37. Hexachlorocyclopentadiene	U	V+ L+	µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
38. Hexachloroethane	U	L-	µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
39. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location B	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	10:27

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 0625.1

Aliquot ID: A11924-003
Description: Location B
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
‡ 40. Isophorone	U	V+ L+	µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
41. 2-Methyl-4,6-dinitrophenol	U	V+	µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
‡ 42. 2-Methylnaphthalene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
43. 2-Methylphenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
‡ 44. 3&4-Methylphenol	U		µg/L	10	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
45. Naphthalene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
‡ 46. 2-Nitroaniline	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
‡ 47. 3-Nitroaniline	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
‡ 48. 4-Nitroaniline	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
49. Nitrobenzene	U		µg/L	3.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
50. 2-Nitrophenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
51. 4-Nitrophenol	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
52. N-Nitrosodimethylamine	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
53. N-Nitrosodi-n-propylamine	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
54. N-Nitrosodiphenylamine	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
55. Di-n-octyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
56. 2,2'-Oxybis(1-chloropropane)	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
57. Pentachlorophenol	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
58. Phenanthrene	U		µg/L	2.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
59. Phenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
60. Pyrene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
61. Pyridine	U	V-	µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
62. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
63. 2,4,5-Trichlorophenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD
64. 2,4,6-Trichlorophenol	U		µg/L	4.0	1.0	11/11/22	PS22K11D	11/13/22 20:32	SN22K13A	SJD

Chromium, Hexavalent, Dissolved
Method: SM 3500-Cr B-2011

Aliquot ID: A11924-003A
Description: Location B
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Chromium VI	U		mg/L	0.0050	1.0	NA	NA	11/08/22 08:51	W322K08A	RJM

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-004

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location B	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	10:37
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Water (Moisture) Content Dried at 105 ± 5°C						Aliquot ID: A11924-004		Matrix: Soil/Solid			
Method: ASTM D2216-10						Description: Location B					
						Preparation		Analysis			
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)		20		%	1	1.0	11/10/22	MC221110	11/11/22	MC221110	LJK

Michigan 10 Elements by ICP/MS					Aliquot ID: A11924-004	Matrix: Soil/Solid				
Method: EPA 0200.2/EPA 6020A					Description: Location B					
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	5700		µg/kg	100	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
2. Barium	25000		µg/kg	1000	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
3. Cadmium	62		µg/kg	50	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
4. Chromium	6200		µg/kg	500	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
5. Copper	4400		µg/kg	1000	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
6. Lead	2900		µg/kg	1000	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
7. Selenium	U		µg/kg	200	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
8. Silver	U		µg/kg	100	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
9. Zinc	23000		µg/kg	1000	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA

Chromium, Hexavalent						Aliquot ID: A11924-004	Matrix: Soil/Solid			
Method: EPA 3060A/EPA 7196A						Description: Location B				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Chromium VI	U		µg/kg	500	1.0	11/11/22	W222K11H	11/14/22	W222K11H	ARC

Mercury by CVAAS						Aliquot ID: A11924-004	Matrix: Soil/Solid			
Method: EPA 7471B						Description: Location B				
						Preparation		Analysis		
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	U		µg/kg	50	10	11/14/22	PM22K14A	11/14/22	M722K14A	JLH

Organochlorine Pesticides					Aliquot ID: A11924-004	Matrix: Soil/Solid				
Method: EPA 3546/EPA 8081B					Description: Location B					
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT
2. alpha-BHC	U		µg/kg	10	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-004

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location B	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	10:37
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Organochlorine Pesticides
Method: EPA 3546/EPA 8081B

Aliquot ID: A11924-004
Description: Location B
Matrix: Soil/Solid

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
3. beta-BHC	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT
4. delta-BHC	U	V-	µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT
5. gamma-BHC	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT
6. Chlordane	U	V+	µg/kg	25	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT
10. Dieldrin	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT
11. Endosulfan I	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT
12. Endosulfan II	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT
14. Endrin	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT
16. Heptachlor	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT
18. Methoxychlor	U		µg/kg	50	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT
19. Toxaphene	U		µg/kg	170	5.0	11/09/22	PS22K09D	11/09/22 19:37	SO22K09B	TKT

Polychlorinated Biphenyls (PCBs)
Method: EPA 3546/EPA 8082A

Aliquot ID: A11924-004
Description: Location B
Matrix: Soil/Solid

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Aroclor-1016	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:16	SO22K09D	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:16	SO22K09D	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:16	SO22K09D	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:16	SO22K09D	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:16	SO22K09D	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:16	SO22K09D	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:16	SO22K09D	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:16	SO22K09D	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:16	SO22K09D	TKT

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-004

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location B	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	10:37
Sample Comments: Soil results have been calculated and reported on a dry weight basis unless otherwise noted.					
Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.					

Organochlorine Herbicides						Aliquot ID: A11924-004	Matrix: Soil/Solid				
Method: EPA 8151A						Description: Location B					
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis			Init.
						P. Date	P. Batch	A. Date	A. Batch		
‡ 1. 2,4-D	U	V+ G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 19:26	SC22K16A	TKT	
‡ 2. Dalapon	U	G+	µg/kg	100	5.0	11/10/22	PS22K10H	11/16/22 19:26	SC22K16A	TKT	
‡ 3. 2,4-DB	U	V+ G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 19:26	SC22K16A	TKT	
‡ 4. Dicamba	U	V+ G+ L+	µg/kg	100	5.0	11/10/22	PS22K10H	11/16/22 19:26	SC22K16A	TKT	
‡ 5. Dichlorprop	U	V+ G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 19:26	SC22K16A	TKT	
‡ 6. Dinoseb	U	V+ G+	µg/kg	100	5.0	11/10/22	PS22K10H	11/16/22 19:26	SC22K16A	TKT	
‡ 7. 2,4,5-T	U	V+ G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 19:26	SC22K16A	TKT	
‡ 8. 2,4,5-TP	U	G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 19:26	SC22K16A	TKT	

Volatile Organic Compounds (VOCs) by GC/MS, 5035						Aliquot ID: A11924-004A	Matrix: Soil/Solid					
Method: EPA 5035A/EPA 8260D						Description: Location B						
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis				
						P. Date	P. Batch	A. Date	A. Batch	Init.		
1. Acetone	U	V+	µg/kg	1000	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC		
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC		
3. Benzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC		
4. Bromobenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC		
5. Bromochloromethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC		
6. Bromodichloromethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC		
7. Bromoform	U	V+	µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC		
8. Bromomethane	U		µg/kg	200	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC		
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC		
10. n-Butylbenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC		
11. sec-Butylbenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC		
12. tert-Butylbenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC		
13. Carbon Disulfide	U	V+ L+	µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC		

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-004

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location B	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	10:37
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035
Method: EPA 5035A/EPA 8260D

Aliquot ID: A11924-004A **Matrix: Soil/Solid**
Description: Location B

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
14. Carbon Tetrachloride	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
15. Chlorobenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
16. Chloroethane	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
17. Chloroform	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
18. Chloromethane	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
19. 2-Chlorotoluene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
21. Dibromochloromethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
22. Dibromomethane	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
33. cis-1,3-Dichloropropene	U	V+	µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
34. trans-1,3-Dichloropropene	U	V+	µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
35. Ethylbenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
36. Ethylene Dibromide	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
37. 2-Hexanone	U	V+ L+	µg/kg	2500	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
38. Isopropylbenzene	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
39. 4-Methyl-2-pentanone	U	V+ L+	µg/kg	2500	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
40. Methylene Chloride	U		µg/kg	160	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
42. MTBE	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
43. Naphthalene	U		µg/kg	330	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
44. n-Propylbenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
45. Styrene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
48. Tetrachloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-004

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location B	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	10:37
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035
Method: EPA 5035A/EPA 8260D

Aliquot ID: A11924-004A **Matrix: Soil/Solid**
Description: Location B

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
49. Toluene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
53. Trichloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
54. Trichlorofluoromethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
59. Vinyl Chloride	U		µg/kg	40	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
60. m&p-Xylene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
61. o-Xylene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC
‡ 62. Xylenes	U		µg/kg	150	1.0	11/08/22	VJ22K08A	11/08/22 13:08	VJ22K08A	SNC

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 3550C/EPA 8270E

Aliquot ID: A11924-004 **Matrix: Soil/Solid**
Description: Location B

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Acenaphthene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
2. Acenaphthylene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
3. Aniline	U	V-Y1	µg/kg	2100	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
4. Anthracene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
‡ 5. Azobenzene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
6. Benzo(a)anthracene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
7. Benzo(a)pyrene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
8. Benzo(b)fluoranthene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
9. Benzo(ghi)perylene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
10. Benzo(k)fluoranthene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
11. Benzyl Alcohol	U		µg/kg	3300	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
12. Bis(2-chloroethoxy)methane	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
13. Bis(2-chloroethyl)ether	U	Y1	µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
14. Bis(2-ethylhexyl)phthalate	U	Y1	µg/kg	2100	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
15. 4-Bromophenyl Phenylether	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
16. Butyl Benzyl Phthalate	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location B	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	10:37
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 3550C/EPA 8270E

Aliquot ID: A11924-004
Description: Location B
Matrix: Soil/Solid

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
17. Di-n-butyl Phthalate	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
‡ 18. Carbazole	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
19. 4-Chloro-3-methylphenol	U	Y1	µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
20. 2-Chloronaphthalene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
21. 2-Chlorophenol	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
22. 4-Chlorophenyl Phenylether	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
23. Chrysene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
24. Dibenzo(a,h)anthracene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
25. Dibenzofuran	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
26. 2,4-Dichlorophenol	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
27. Diethyl Phthalate	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
28. 2,4-Dimethylphenol	U	L- Y1	µg/kg	2100	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
29. Dimethyl Phthalate	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
30. 2,4-Dinitrophenol	U	Y1	µg/kg	8400	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
‡ 31. 2,4-Dinitrotoluene	U	Y1	µg/kg	840	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
33. Fluoranthene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
34. Fluorene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
35. Hexachlorobenzene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
36. Hexachlorobutadiene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
37. Hexachlorocyclopentadiene	U	Y1	µg/kg	2100	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
38. Hexachloroethane	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
‡ 40. Isophorone	U	V+ L+	µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
41. 2-Methyl-4,6-dinitrophenol	U		µg/kg	4200	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
42. 2-Methylnaphthalene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
43. 2-Methylphenol	U	L-	µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
‡ 44. 3&4-Methylphenol	U	L-	µg/kg	660	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
45. Naphthalene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
46. 2-Nitroaniline	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
47. 3-Nitroaniline	U		µg/kg	830	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
48. 4-Nitroaniline	U		µg/kg	830	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
49. Nitrobenzene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
50. 2-Nitrophenol	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
51. 4-Nitrophenol	U	Y1	µg/kg	2100	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-004

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location B	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	10:37
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 3550C/EPA 8270E

Aliquot ID: A11924-004
Description: Location B
Matrix: Soil/Solid

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
52. N-Nitrosodimethylamine	U	Y1	µg/kg	2100	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
53. N-Nitrosodi-n-propylamine	U	L-	µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
54. N-Nitrosodiphenylamine	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
55. Di-n-octyl Phthalate	U	Y1	µg/kg	2100	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
57. Pentachlorophenol	U	Y1	µg/kg	2100	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
58. Phenanthrene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
59. Phenol	U	L-	µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
60. Pyrene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
61. Pyridine	U	V-Y1	µg/kg	2100	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
63. 2,4,5-Trichlorophenol	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD
64. 2,4,6-Trichlorophenol	U		µg/kg	420	10	11/09/22	PS22K09F	11/10/22 03:13	SN22K09C	SJD

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location C	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	11:07

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Michigan 10 Elements by ICP/MS, Dissolved						Aliquot ID:	A11924-005C	Matrix: Surface Water		
Method: EPA 0200.8 (Dissolved)/EPA 0200.8						Description:	Location C			
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	U		mg/L	0.0050	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
2. Barium	U		mg/L	0.10	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
3. Cadmium	U		mg/L	0.0010	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
4. Chromium	U		mg/L	0.010	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
5. Copper	U		mg/L	0.0040	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
6. Lead	U		mg/L	0.0030	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
7. Selenium	U		mg/L	0.0050	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
8. Silver	U		mg/L	0.00020	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
9. Zinc	U		mg/L	0.050	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA

Mercury by CVAAS, Dissolved						Aliquot ID:	A11924-005C	Matrix: Surface Water		
Method: EPA 0245.1						Description:	Location C			
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	U		mg/L	0.00020	1.0	11/10/22	PM22K10A	11/10/22	M722K10A	JLH

Polychlorinated Biphenyls (PCBs)						Aliquot ID:	A11924-005	Matrix: Surface Water		
Method: EPA 0608.3						Description:	Location C			
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aroclor-1016	U	V+	mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:03	SO22K23A	TKT
2. Aroclor-1221	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:03	SO22K23A	TKT
3. Aroclor-1232	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:03	SO22K23A	TKT
4. Aroclor-1242	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:03	SO22K23A	TKT
5. Aroclor-1248	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:03	SO22K23A	TKT
6. Aroclor-1254	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:03	SO22K23A	TKT
7. Aroclor-1260	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:03	SO22K23A	TKT
‡ 8. Aroclor-1262	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:03	SO22K23A	TKT
‡ 9. Aroclor-1268	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:03	SO22K23A	TKT

Organochlorine Pesticides						Aliquot ID:	A11924-005	Matrix: Surface Water		
Method: EPA 0608.3						Description:	Location C			
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U	*	mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-005

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location C	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	11:07

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides
Method: EPA 0608.3

Aliquot ID: A11924-005
Description: Location C
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
2. alpha-BHC	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT
3. beta-BHC	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT
4. delta-BHC	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT
5. gamma-BHC	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT
6. Chlordane	U	V+	mg/L	0.0000500	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT
7. 4,4'-DDD	U		mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT
8. 4,4'-DDE	U	V+	mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT
9. 4,4'-DDT	U	V+ L+	mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT
10. Dieldrin	U		mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT
11. Endosulfan I	U		mg/L	0.000500	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT
12. Endosulfan II	U		mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT
13. Endosulfan Sulfate	U		mg/L	0.0000500	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT
14. Endrin	U	V+ L+	mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT
15. Endrin Aldehyde	U		mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT
16. Heptachlor	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT
17. Heptachlor Epoxide	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT
18. Methoxychlor	U		mg/L	0.000500	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT
19. Toxaphene	U	V+	mg/L	0.00100	1.0	11/10/22	PS22K10I	11/11/22 14:53	SO22K11B	TKT

Organochlorine Herbicides
Method: EPA 0615

Aliquot ID: A11924-005
Description: Location C
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. 2,4-D	U	V+	µg/L	10	5.0	11/10/22	PS22K10J	11/17/22 00:52	SC22K16A	TKT
‡ 2. Dalapon	U	V+	µg/L	10	5.0	11/10/22	PS22K10J	11/17/22 00:52	SC22K16A	TKT
‡ 3. 2,4-DB	U	V+	µg/L	10	5.0	11/10/22	PS22K10J	11/17/22 00:52	SC22K16A	TKT
‡ 4. Dicamba	U	V+	µg/L	1.0	5.0	11/10/22	PS22K10J	11/17/22 00:52	SC22K16A	TKT
‡ 5. Dichlorprop	U	V+	µg/L	10	5.0	11/10/22	PS22K10J	11/17/22 00:52	SC22K16A	TKT
‡ 6. Dinoseb	U	V+	µg/L	5.0	5.0	11/10/22	PS22K10J	11/17/22 00:52	SC22K16A	TKT
‡ 7. 2,4,5-T	U	V+	µg/L	1.0	5.0	11/10/22	PS22K10J	11/17/22 00:52	SC22K16A	TKT
‡ 8. 2,4,5-TP	U	V+	µg/L	1.0	5.0	11/10/22	PS22K10J	11/17/22 00:52	SC22K16A	TKT

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-005

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location C	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	11:07

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS
Method: EPA 0624.1

Aliquot ID: A11924-005B
Description: Location C
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		mg/L	0.0500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
2. Acrylonitrile	U		mg/L	0.00200	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
3. Benzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 4. Bromobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 5. Bromochloromethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
6. Bromodichloromethane	U	V+ L+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 7. Bromoform (SIM)	U	V+ L+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
8. Bromomethane	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
9. 2-Butanone	U		mg/L	0.0250	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 10. n-Butylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 11. sec-Butylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 12. tert-Butylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 13. Carbon Disulfide	U	V+ L+	mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
14. Carbon Tetrachloride	U	V+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
15. Chlorobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
16. Chloroethane	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
17. Chloroform	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
18. Chloromethane	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 19. 2-Chlorotoluene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
21. Dibromochloromethane	U	V+ L+	mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 22. Dibromomethane	U	V+	mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
23. 1,2-Dichlorobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
24. 1,3-Dichlorobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
25. 1,4-Dichlorobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 26. Dichlorodifluoromethane	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
27. 1,1-Dichloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
28. 1,2-Dichloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
29. 1,1-Dichloroethene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
30. cis-1,2-Dichloroethene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
31. trans-1,2-Dichloroethene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
32. 1,2-Dichloropropane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
33. cis-1,3-Dichloropropene	U	V+	mg/L	0.000500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
34. trans-1,3-Dichloropropene	U	V+	mg/L	0.000500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-005

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location C	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	11:07

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS
Method: EPA 0624.1

Aliquot ID: A11924-005B
Description: Location C
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
35. Ethylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
36. Ethylene Dibromide	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 37. 2-Hexanone	U	V+	mg/L	0.0500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 38. Isopropylbenzene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 39. 4-Methyl-2-pentanone	U		mg/L	0.0500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
40. Methylene Chloride	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 41. 2-Methylnaphthalene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
42. MTBE	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
43. Naphthalene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 44. n-Propylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 45. Styrene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 46. 1,1,1,2-Tetrachloroethane	U	V+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
47. 1,1,2,2-Tetrachloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
48. Tetrachloroethene	U	V+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
49. Toluene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 50. 1,2,4-Trichlorobenzene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
51. 1,1,1-Trichloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
52. 1,1,2-Trichloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
53. Trichloroethene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
54. Trichlorofluoromethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 55. 1,2,3-Trichloropropane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 56. 1,2,3-Trimethylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 57. 1,2,4-Trimethylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
‡ 58. 1,3,5-Trimethylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
59. Vinyl Chloride	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
60. m&p-Xylene	U		mg/L	0.00200	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
61. o-Xylene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC
62. Xylenes	U		mg/L	0.00300	1.0	11/10/22	VM22K10A	11/10/22 13:24	VM22K10A	BRC

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 0625.1

Aliquot ID: A11924-005
Description: Location C
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
2. Acenaphthylene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
‡ 3. Aniline	U	V-	µg/L	4.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-005

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location C	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	11:07

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 0625.1

Aliquot ID: A11924-005
Description: Location C
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
4. Anthracene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
‡ 5. Azobenzene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
6. Benzo(a)anthracene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
7. Benzo(a)pyrene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
8. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
9. Benzo(ghi)perylene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
10. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
‡ 11. Benzyl Alcohol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
12. Bis(2-chloroethoxy)methane	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
13. Bis(2-chloroethyl)ether	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
14. Bis(2-ethylhexyl)phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
15. 4-Bromophenyl Phenylether	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
16. Butyl Benzyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
17. Di-n-butyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
‡ 18. Carbazole	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
19. 4-Chloro-3-methylphenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
20. 2-Chloronaphthalene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
21. 2-Chlorophenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
22. 4-Chlorophenyl Phenylether	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
23. Chrysene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
24. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
‡ 25. Dibenzofuran	U		µg/L	4.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
26. 2,4-Dichlorophenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
27. Diethyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
28. 2,4-Dimethylphenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
29. Dimethyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
30. 2,4-Dinitrophenol	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
‡ 31. 2,4-Dinitrotoluene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
‡ 32. 2,6-Dinitrotoluene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
33. Fluoranthene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
34. Fluorene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
35. Hexachlorobenzene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
36. Hexachlorobutadiene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
37. Hexachlorocyclopentadiene	U	V+ L+	µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
38. Hexachloroethane	U	L-	µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
39. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location C	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	11:07

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 0625.1

Aliquot ID: A11924-005
Description: Location C
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
‡ 40. Isophorone	U	V+ L+	µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
41. 2-Methyl-4,6-dinitrophenol	U	V+	µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
‡ 42. 2-Methylnaphthalene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
43. 2-Methylphenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
‡ 44. 3&4-Methylphenol	U		µg/L	10	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
45. Naphthalene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
‡ 46. 2-Nitroaniline	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
‡ 47. 3-Nitroaniline	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
‡ 48. 4-Nitroaniline	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
49. Nitrobenzene	U		µg/L	3.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
50. 2-Nitrophenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
51. 4-Nitrophenol	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
52. N-Nitrosodimethylamine	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
53. N-Nitrosodi-n-propylamine	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
54. N-Nitrosodiphenylamine	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
55. Di-n-octyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
56. 2,2'-Oxybis(1-chloropropane)	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
57. Pentachlorophenol	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
58. Phenanthrene	U		µg/L	2.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
59. Phenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
60. Pyrene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
61. Pyridine	U	V-	µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
62. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
63. 2,4,5-Trichlorophenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD
64. 2,4,6-Trichlorophenol	U		µg/L	4.0	1.0	11/11/22	PS22K11D	11/13/22 21:02	SN22K13A	SJD

Chromium, Hexavalent, Dissolved
Method: SM 3500-Cr B-2011

Aliquot ID: A11924-005A
Description: Location C
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Chromium VI	U		mg/L	0.0050	1.0	NA	NA	11/08/22 08:52	W322K08A	RJM

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-006

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location C	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	11:13
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Water (Moisture) Content Dried at 105 ± 5°C						Aliquot ID: A11924-006	Matrix: Soil/Solid				
Method: ASTM D2216-10						Description: Location C					
						Preparation		Analysis			
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)		23		%	1	1.0	11/10/22	MC221110	11/11/22	MC221110	LJK

Michigan 10 Elements by ICP/MS					Aliquot ID:	A11924-006	Matrix: Soil/Solid			
Method: EPA 0200.2/EPA 6020A					Description:	Location C				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	4100		µg/kg	100	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
2. Barium	22000		µg/kg	1000	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
3. Cadmium	93		µg/kg	50	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
4. Chromium	19000		µg/kg	500	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
5. Copper	18000		µg/kg	1000	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
6. Lead	5900		µg/kg	1000	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
7. Selenium	U		µg/kg	200	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
8. Silver	U		µg/kg	100	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
9. Zinc	47000		µg/kg	1000	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA

Chromium, Hexavalent						Aliquot ID: A11924-006	Matrix: Soil/Solid			
Method: EPA 3060A/EPA 7196A						Description: Location C				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Chromium VI	U		µg/kg	520	1.0	11/11/22	W222K11H	11/14/22	W222K11H	ARC

Mercury by CVAAS						Aliquot ID: A11924-006	Matrix: Soil/Solid			
Method: EPA 7471B						Description: Location C				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	U		µg/kg	50	10	11/14/22	PM22K14A	11/14/22	M722K14A	JLH

Organochlorine Pesticides					Aliquot ID: A11924-006	Matrix: Soil/Solid				
Method: EPA 3546/EPA 8081B					Description: Location C					
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT
2. alpha-BHC	U		µg/kg	10	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-006

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location C	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	11:13
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Organochlorine Pesticides
Method: EPA 3546/EPA 8081B

Aliquot ID: A11924-006
Description: Location C
Matrix: Soil/Solid

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
3. beta-BHC	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT
4. delta-BHC	U	V-	µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT
5. gamma-BHC	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT
6. Chlordane	U	V+	µg/kg	25	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT
10. Dieldrin	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT
11. Endosulfan I	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT
12. Endosulfan II	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT
14. Endrin	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT
16. Heptachlor	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT
18. Methoxychlor	U		µg/kg	50	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT
19. Toxaphene	U		µg/kg	170	5.0	11/09/22	PS22K09D	11/09/22 19:49	SO22K09B	TKT

Polychlorinated Biphenyls (PCBs)
Method: EPA 3546/EPA 8082A

Aliquot ID: A11924-006
Description: Location C
Matrix: Soil/Solid

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Aroclor-1016	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:28	SO22K09D	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:28	SO22K09D	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:28	SO22K09D	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:28	SO22K09D	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:28	SO22K09D	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:28	SO22K09D	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:28	SO22K09D	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:28	SO22K09D	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:28	SO22K09D	TKT

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-006

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location C	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	11:13
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Organochlorine Herbicides
Method: EPA 8151A

Aliquot ID: A11924-006
Description: Location C
Matrix: Soil/Solid

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis			Init.
						P. Date	P. Batch	A. Date	A. Batch		
‡ 1. 2,4-D	U	V+ G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 19:58	SC22K16A	TKT	
‡ 2. Dalapon	U	G+	µg/kg	100	5.0	11/10/22	PS22K10H	11/16/22 19:58	SC22K16A	TKT	
‡ 3. 2,4-DB	U	V+ G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 19:58	SC22K16A	TKT	
‡ 4. Dicamba	U	V+ G+ L+	µg/kg	100	5.0	11/10/22	PS22K10H	11/16/22 19:58	SC22K16A	TKT	
‡ 5. Dichlorprop	U	V+ G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 19:58	SC22K16A	TKT	
‡ 6. Dinoseb	U	V+ G+	µg/kg	100	5.0	11/10/22	PS22K10H	11/16/22 19:58	SC22K16A	TKT	
‡ 7. 2,4,5-T	U	V+ G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 19:58	SC22K16A	TKT	
‡ 8. 2,4,5-TP	U	G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 19:58	SC22K16A	TKT	

Volatile Organic Compounds (VOCs) by GC/MS, 5035
Method: EPA 5035A/EPA 8260D

Aliquot ID: A11924-006A
Description: Location C
Matrix: Soil/Solid

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U	V+	µg/kg	1000	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
3. Benzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
4. Bromobenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
5. Bromochloromethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
6. Bromodichloromethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
7. Bromoform	U	V+	µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
8. Bromomethane	U		µg/kg	200	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
10. n-Butylbenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
11. sec-Butylbenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
12. tert-Butylbenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
13. Carbon Disulfide	U	V+ L+	µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-006

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location C	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	11:13
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035
Method: EPA 5035A/EPA 8260D

Aliquot ID: A11924-006A **Matrix: Soil/Solid**
Description: Location C

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
14. Carbon Tetrachloride	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
15. Chlorobenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
16. Chloroethane	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
17. Chloroform	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
18. Chloromethane	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
19. 2-Chlorotoluene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
21. Dibromochloromethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
22. Dibromomethane	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
33. cis-1,3-Dichloropropene	U	V+	µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
34. trans-1,3-Dichloropropene	U	V+	µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
35. Ethylbenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
36. Ethylene Dibromide	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
37. 2-Hexanone	U	V+ L+	µg/kg	2500	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
38. Isopropylbenzene	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
39. 4-Methyl-2-pentanone	U	V+ L+	µg/kg	2500	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
40. Methylene Chloride	U		µg/kg	160	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
42. MTBE	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
43. Naphthalene	U		µg/kg	330	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
44. n-Propylbenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
45. Styrene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
48. Tetrachloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-006

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location C	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	11:13
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035
Method: EPA 5035A/EPA 8260D

Aliquot ID: A11924-006A **Matrix: Soil/Solid**
Description: Location C

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
49. Toluene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
53. Trichloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
54. Trichlorofluoromethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
59. Vinyl Chloride	U		µg/kg	40	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
60. m&p-Xylene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
61. o-Xylene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC
‡ 62. Xylenes	U		µg/kg	150	1.0	11/08/22	VJ22K08A	11/08/22 13:32	VJ22K08A	SNC

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 3550C/EPA 8270E

Aliquot ID: A11924-006 **Matrix: Soil/Solid**
Description: Location C

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Acenaphthene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
2. Acenaphthylene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
3. Aniline	U	Y1 V-	µg/kg	4300	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
4. Anthracene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
‡ 5. Azobenzene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
6. Benzo(a)anthracene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
7. Benzo(a)pyrene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
8. Benzo(b)fluoranthene	1300		µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
9. Benzo(ghi)perylene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
10. Benzo(k)fluoranthene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
11. Benzyl Alcohol	U	Y1	µg/kg	4300	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
12. Bis(2-chloroethoxy)methane	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
13. Bis(2-chloroethyl)ether	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
14. Bis(2-ethylhexyl)phthalate	U	Y1	µg/kg	4300	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
15. 4-Bromophenyl Phenylether	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
16. Butyl Benzyl Phthalate	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-006

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location C	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	11:13
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 3550C/EPA 8270E

Aliquot ID: A11924-006
Description: Location C
Matrix: Soil/Solid

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
17. Di-n-butyl Phthalate	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
‡ 18. Carbazole	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
19. 4-Chloro-3-methylphenol	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
20. 2-Chloronaphthalene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
21. 2-Chlorophenol	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
22. 4-Chlorophenyl Phenylether	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
23. Chrysene	1000		µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
24. Dibenzo(a,h)anthracene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
25. Dibenzofuran	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
26. 2,4-Dichlorophenol	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
27. Diethyl Phthalate	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
28. 2,4-Dimethylphenol	U	Y1 L-	µg/kg	4300	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
29. Dimethyl Phthalate	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
30. 2,4-Dinitrophenol	U	Y1	µg/kg	17000	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
‡ 31. 2,4-Dinitrotoluene	U	Y1	µg/kg	1700	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
‡ 32. 2,6-Dinitrotoluene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
33. Fluoranthene	2200		µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
34. Fluorene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
35. Hexachlorobenzene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
36. Hexachlorobutadiene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
37. Hexachlorocyclopentadiene	U	Y1	µg/kg	4300	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
38. Hexachloroethane	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
39. Indeno(1,2,3-cd)pyrene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
‡ 40. Isophorone	U	Y1 V+ L+	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
41. 2-Methyl-4,6-dinitrophenol	U	Y1	µg/kg	8600	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
42. 2-Methylnaphthalene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
43. 2-Methylphenol	U	Y1 L-	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
‡ 44. 3&4-Methylphenol	U	Y1 L-	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
45. Naphthalene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
46. 2-Nitroaniline	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
47. 3-Nitroaniline	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
48. 4-Nitroaniline	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
49. Nitrobenzene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location C	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	11:13
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 3550C/EPA 8270E

Aliquot ID: A11924-006
Description: Location C
Matrix: Soil/Solid

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
50. 2-Nitrophenol	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
51. 4-Nitrophenol	U	Y1	µg/kg	4300	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
52. N-Nitrosodimethylamine	U	Y1	µg/kg	4300	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
53. N-Nitrosodi-n-propylamine	U	Y1 L-	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
54. N-Nitrosodiphenylamine	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
55. Di-n-octyl Phthalate	U	Y1	µg/kg	4300	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
56. 2,2'-Oxybis(1-chloropropane)	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
57. Pentachlorophenol	U	Y1	µg/kg	4300	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
58. Phenanthrene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
59. Phenol	U	Y1 L-	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
60. Pyrene	1500		µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
61. Pyridine	U	Y1 L-	µg/kg	4300	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
‡ 62. 1,2,4-Trichlorobenzene	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
63. 2,4,5-Trichlorophenol	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD
64. 2,4,6-Trichlorophenol	U	Y1	µg/kg	860	20	11/09/22	PS22K09F	11/10/22 04:11	SN22K09C	SJD

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location D	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	09:48

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Michigan 10 Elements by ICP/MS, Dissolved						Aliquot ID:	A11924-007C	Matrix: Surface Water		
Method: EPA 0200.8 (Dissolved)/EPA 0200.8						Description:	Location D			
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	U		mg/L	0.0050	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
2. Barium	U		mg/L	0.10	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
3. Cadmium	U		mg/L	0.0010	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
4. Chromium	U		mg/L	0.010	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
5. Copper	U		mg/L	0.0040	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
6. Lead	U		mg/L	0.0030	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
7. Selenium	U		mg/L	0.0050	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
8. Silver	U		mg/L	0.00020	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA
9. Zinc	U		mg/L	0.050	10	11/11/22	PT22K11A	11/11/22	T422K11A	CJA

Mercury by CVAAS, Dissolved						Aliquot ID:	A11924-007C	Matrix: Surface Water		
Method: EPA 0245.1						Description:	Location D			
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	U		mg/L	0.00020	1.0	11/10/22	PM22K10A	11/10/22	M722K10A	JLH

Polychlorinated Biphenyls (PCBs)						Aliquot ID:	A11924-007	Matrix: Surface Water		
Method: EPA 0608.3						Description:	Location D			
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aroclor-1016	U	V+	mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:15	SO22K23A	TKT
2. Aroclor-1221	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:15	SO22K23A	TKT
3. Aroclor-1232	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:15	SO22K23A	TKT
4. Aroclor-1242	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:15	SO22K23A	TKT
5. Aroclor-1248	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:15	SO22K23A	TKT
6. Aroclor-1254	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:15	SO22K23A	TKT
7. Aroclor-1260	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:15	SO22K23A	TKT
‡ 8. Aroclor-1262	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:15	SO22K23A	TKT
‡ 9. Aroclor-1268	U		mg/L	0.000200	1.0	11/10/22	PS22K10I	11/23/22 12:15	SO22K23A	TKT

Organochlorine Pesticides						Aliquot ID:	A11924-007	Matrix: Surface Water		
Method: EPA 0608.3						Description:	Location D			
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U	*	mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-007

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location D	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	09:48

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Organochlorine Pesticides
Method: EPA 0608.3

Aliquot ID: A11924-007
Description: Location D
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
2. alpha-BHC	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT
3. beta-BHC	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT
4. delta-BHC	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT
5. gamma-BHC	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT
6. Chlordane	U	V+	mg/L	0.0000500	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT
7. 4,4'-DDD	U		mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT
8. 4,4'-DDE	U	V+	mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT
9. 4,4'-DDT	U	V+ L+	mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT
10. Dieldrin	U		mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT
11. Endosulfan I	U		mg/L	0.000500	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT
12. Endosulfan II	U		mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT
13. Endosulfan Sulfate	U		mg/L	0.0000500	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT
14. Endrin	U	V+ L+	mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT
15. Endrin Aldehyde	U		mg/L	0.0000200	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT
16. Heptachlor	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT
17. Heptachlor Epoxide	U		mg/L	0.0000100	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT
18. Methoxychlor	U		mg/L	0.000500	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT
19. Toxaphene	U	V+	mg/L	0.00100	1.0	11/10/22	PS22K10I	11/11/22 15:05	SO22K11B	TKT

Organochlorine Herbicides
Method: EPA 0615

Aliquot ID: A11924-007
Description: Location D
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. 2,4-D	U	V+	µg/L	10	5.0	11/10/22	PS22K10J	11/17/22 01:24	SC22K16A	TKT
‡ 2. Dalapon	U	V+	µg/L	10	5.0	11/10/22	PS22K10J	11/17/22 01:24	SC22K16A	TKT
‡ 3. 2,4-DB	U	V+	µg/L	10	5.0	11/10/22	PS22K10J	11/17/22 01:24	SC22K16A	TKT
‡ 4. Dicamba	U	V+	µg/L	1.0	5.0	11/10/22	PS22K10J	11/17/22 01:24	SC22K16A	TKT
‡ 5. Dichlorprop	U	V+	µg/L	10	5.0	11/10/22	PS22K10J	11/17/22 01:24	SC22K16A	TKT
‡ 6. Dinoseb	U	V+	µg/L	5.0	5.0	11/10/22	PS22K10J	11/17/22 01:24	SC22K16A	TKT
‡ 7. 2,4,5-T	U	V+	µg/L	1.0	5.0	11/10/22	PS22K10J	11/17/22 01:24	SC22K16A	TKT
‡ 8. 2,4,5-TP	U	V+	µg/L	1.0	5.0	11/10/22	PS22K10J	11/17/22 01:24	SC22K16A	TKT

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-007

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location D	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	09:48

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS
Method: EPA 0624.1

Aliquot ID: A11924-007B
Description: Location D
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acetone	U		mg/L	0.0500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
2. Acrylonitrile	U		mg/L	0.00200	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
3. Benzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 4. Bromobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 5. Bromochloromethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
6. Bromodichloromethane	U	V+ L+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 7. Bromoform (SIM)	U	V+ L+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
8. Bromomethane	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
9. 2-Butanone	U		mg/L	0.0250	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 10. n-Butylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 11. sec-Butylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 12. tert-Butylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 13. Carbon Disulfide	U	V+ L+	mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
14. Carbon Tetrachloride	U	V+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
15. Chlorobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
16. Chloroethane	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
17. Chloroform	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
18. Chloromethane	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 19. 2-Chlorotoluene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
21. Dibromochloromethane	U	V+ L+	mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 22. Dibromomethane	U	V+	mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
23. 1,2-Dichlorobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
24. 1,3-Dichlorobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
25. 1,4-Dichlorobenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 26. Dichlorodifluoromethane	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
27. 1,1-Dichloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
28. 1,2-Dichloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
29. 1,1-Dichloroethene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
30. cis-1,2-Dichloroethene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
31. trans-1,2-Dichloroethene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
32. 1,2-Dichloropropane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
33. cis-1,3-Dichloropropene	U	V+	mg/L	0.000500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
34. trans-1,3-Dichloropropene	U	V+	mg/L	0.000500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-007

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location D	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	09:48

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS
Method: EPA 0624.1

Aliquot ID: A11924-007B **Matrix: Surface Water**
Description: Location D

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
35. Ethylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
36. Ethylene Dibromide	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 37. 2-Hexanone	U	V+	mg/L	0.0500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 38. Isopropylbenzene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 39. 4-Methyl-2-pentanone	U		mg/L	0.0500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
40. Methylene Chloride	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 41. 2-Methylnaphthalene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
42. MTBE	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
43. Naphthalene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 44. n-Propylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 45. Styrene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 46. 1,1,1,2-Tetrachloroethane	U	V+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
47. 1,1,2,2-Tetrachloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
48. Tetrachloroethene	U	V+	mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
49. Toluene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 50. 1,2,4-Trichlorobenzene	U		mg/L	0.00500	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
51. 1,1,1-Trichloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
52. 1,1,2-Trichloroethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
53. Trichloroethene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
54. Trichlorofluoromethane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 55. 1,2,3-Trichloropropane	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 56. 1,2,3-Trimethylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 57. 1,2,4-Trimethylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
‡ 58. 1,3,5-Trimethylbenzene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
59. Vinyl Chloride	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
60. m&p-Xylene	U		mg/L	0.00200	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
61. o-Xylene	U		mg/L	0.00100	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC
62. Xylenes	U		mg/L	0.00300	1.0	11/10/22	VM22K10A	11/10/22 13:52	VM22K10A	BRC

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 0625.1

Aliquot ID: A11924-007 **Matrix: Surface Water**
Description: Location D

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Acenaphthene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
2. Acenaphthylene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
‡ 3. Aniline	U	V-	µg/L	4.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-007

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location D	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	09:48

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 0625.1

Aliquot ID: A11924-007
Description: Location D
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
4. Anthracene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
‡ 5. Azobenzene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
6. Benzo(a)anthracene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
7. Benzo(a)pyrene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
8. Benzo(b)fluoranthene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
9. Benzo(ghi)perylene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
10. Benzo(k)fluoranthene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
‡ 11. Benzyl Alcohol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
12. Bis(2-chloroethoxy)methane	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
13. Bis(2-chloroethyl)ether	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
14. Bis(2-ethylhexyl)phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
15. 4-Bromophenyl Phenylether	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
16. Butyl Benzyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
17. Di-n-butyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
‡ 18. Carbazole	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
19. 4-Chloro-3-methylphenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
20. 2-Chloronaphthalene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
21. 2-Chlorophenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
22. 4-Chlorophenyl Phenylether	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
23. Chrysene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
24. Dibenzo(a,h)anthracene	U		µg/L	2.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
‡ 25. Dibenzofuran	U		µg/L	4.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
26. 2,4-Dichlorophenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
27. Diethyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
28. 2,4-Dimethylphenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
29. Dimethyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
30. 2,4-Dinitrophenol	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
‡ 31. 2,4-Dinitrotoluene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
‡ 32. 2,6-Dinitrotoluene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
33. Fluoranthene	U		µg/L	1.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
34. Fluorene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
35. Hexachlorobenzene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
36. Hexachlorobutadiene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
37. Hexachlorocyclopentadiene	U	V+ L+	µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
38. Hexachloroethane	U	L-	µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
39. Indeno(1,2,3-cd)pyrene	U		µg/L	2.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-007

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location D	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Surface Water	Collect Time:	09:48

Sample Comments:

Definitions: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 0625.1

Aliquot ID: A11924-007
Description: Location D
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
‡ 40. Isophorone	U	V+ L+	µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
41. 2-Methyl-4,6-dinitrophenol	U	V+	µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
‡ 42. 2-Methylnaphthalene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
43. 2-Methylphenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
‡ 44. 3&4-Methylphenol	U		µg/L	10	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
45. Naphthalene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
‡ 46. 2-Nitroaniline	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
‡ 47. 3-Nitroaniline	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
‡ 48. 4-Nitroaniline	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
49. Nitrobenzene	U		µg/L	3.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
50. 2-Nitrophenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
51. 4-Nitrophenol	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
52. N-Nitrosodimethylamine	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
53. N-Nitrosodi-n-propylamine	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
54. N-Nitrosodiphenylamine	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
55. Di-n-octyl Phthalate	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
56. 2,2'-Oxybis(1-chloropropane)	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
57. Pentachlorophenol	U		µg/L	20	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
58. Phenanthrene	U		µg/L	2.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
59. Phenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
60. Pyrene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
61. Pyridine	U	V-	µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
62. 1,2,4-Trichlorobenzene	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
63. 2,4,5-Trichlorophenol	U		µg/L	5.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD
64. 2,4,6-Trichlorophenol	U		µg/L	4.0	1.0	11/11/22	PS22K11D	11/13/22 21:31	SN22K13A	SJD

Chromium, Hexavalent, Dissolved
Method: SM 3500-Cr B-2011

Aliquot ID: A11924-007A
Description: Location D
Matrix: Surface Water

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Chromium VI	U		mg/L	0.0050	1.0	NA	NA	11/08/22 08:52	W322K08A	RJM

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-008

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location D	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	09:52
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Water (Moisture) Content Dried at 105 ± 5°C						Aliquot ID: A11924-008	Matrix: Soil/Solid			
Method: ASTM D2216-10						Description: Location D				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moisture (Water Content)	18		%	1	1.0	11/10/22	MC221110	11/11/22	MC221110	LJK

Michigan 10 Elements by ICP/MS						Aliquot ID: A11924-008	Matrix: Soil/Solid			
Method: EPA 0200.2/EPA 6020A						Description: Location D				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	2800		µg/kg	100	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
2. Barium	10000		µg/kg	1000	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
3. Cadmium	U		µg/kg	50	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
4. Chromium	3700		µg/kg	500	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
5. Copper	1700		µg/kg	1000	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
6. Lead	1800		µg/kg	1000	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
7. Selenium	U		µg/kg	200	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
8. Silver	U		µg/kg	100	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA
9. Zinc	13000		µg/kg	1000	20	11/11/22	PT22K11B	11/11/22	T422K11A	CJA

Chromium, Hexavalent						Aliquot ID: A11924-008	Matrix: Soil/Solid			
Method: EPA 3060A/EPA 7196A						Description: Location D				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Chromium VI	U		µg/kg	490	1.0	11/11/22	W222K11H	11/14/22	W222K11H	ARC

Mercury by CVAAS						Aliquot ID: A11924-008	Matrix: Soil/Solid			
Method: EPA 7471B						Description: Location D				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Mercury	U		µg/kg	50	10	11/14/22	PM22K14A	11/14/22	M722K14A	JLH

Organochlorine Pesticides						Aliquot ID: A11924-008	Matrix: Soil/Solid			
Method: EPA 3546/EPA 8081B						Description: Location D				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
1. Aldrin	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT
2. alpha-BHC	U		µg/kg	10	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-008

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location D	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	09:52
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Organochlorine Pesticides
Method: EPA 3546/EPA 8081B

Aliquot ID: A11924-008
Description: Location D
Matrix: Soil/Solid

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
3. beta-BHC	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT
4. delta-BHC	U	V-	µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT
5. gamma-BHC	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT
6. Chlordane	U	V+	µg/kg	25	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT
7. 4,4'-DDD	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT
8. 4,4'-DDE	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT
9. 4,4'-DDT	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT
10. Dieldrin	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT
11. Endosulfan I	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT
12. Endosulfan II	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT
13. Endosulfan Sulfate	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT
14. Endrin	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT
15. Endrin Aldehyde	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT
16. Heptachlor	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT
17. Heptachlor Epoxide	U		µg/kg	20	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT
18. Methoxychlor	U		µg/kg	50	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT
19. Toxaphene	U		µg/kg	170	5.0	11/09/22	PS22K09D	11/09/22 20:02	SO22K09B	TKT

Polychlorinated Biphenyls (PCBs)
Method: EPA 3546/EPA 8082A

Aliquot ID: A11924-008
Description: Location D
Matrix: Soil/Solid

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Aroclor-1016	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:40	SO22K09D	TKT
2. Aroclor-1221	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:40	SO22K09D	TKT
3. Aroclor-1232	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:40	SO22K09D	TKT
4. Aroclor-1242	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:40	SO22K09D	TKT
5. Aroclor-1248	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:40	SO22K09D	TKT
6. Aroclor-1254	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:40	SO22K09D	TKT
7. Aroclor-1260	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:40	SO22K09D	TKT
‡ 8. Aroclor-1262	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:40	SO22K09D	TKT
‡ 9. Aroclor-1268	U		µg/kg	100	5.0	11/09/22	PS22K09D	11/10/22 05:40	SO22K09D	TKT

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-008

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location D	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	09:52
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Organochlorine Herbicides						Aliquot ID: A11924-008	Matrix: Soil/Solid				
Method: EPA 8151A						Description: Location D					
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis			Init.
						P. Date	P. Batch	A. Date	A. Batch		
‡ 1. 2,4-D	U	V+ G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 20:31	SC22K16A	TKT	
‡ 2. Dalapon	U	G+	µg/kg	100	5.0	11/10/22	PS22K10H	11/16/22 20:31	SC22K16A	TKT	
‡ 3. 2,4-DB	U	V+ G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 20:31	SC22K16A	TKT	
‡ 4. Dicamba	U	V+ G+ L+	µg/kg	100	5.0	11/10/22	PS22K10H	11/16/22 20:31	SC22K16A	TKT	
‡ 5. Dichlorprop	U	V+ G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 20:31	SC22K16A	TKT	
‡ 6. Dinoseb	U	V+ G+	µg/kg	100	5.0	11/10/22	PS22K10H	11/16/22 20:31	SC22K16A	TKT	
‡ 7. 2,4,5-T	U	V+ G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 20:31	SC22K16A	TKT	
‡ 8. 2,4,5-TP	U	G+ L+	µg/kg	200	5.0	11/10/22	PS22K10H	11/16/22 20:31	SC22K16A	TKT	

Volatile Organic Compounds (VOCs) by GC/MS, 5035						Aliquot ID: A11924-008A	Matrix: Soil/Solid				
Method: EPA 5035A/EPA 8260D						Description: Location D					
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis			
						P. Date	P. Batch	A. Date	A. Batch	Init.	
1. Acetone	U	V+	µg/kg	1000	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC	
‡ 2. Acrylonitrile	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC	
3. Benzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC	
4. Bromobenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC	
5. Bromochloromethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC	
6. Bromodichloromethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC	
7. Bromoform	U	V+	µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC	
8. Bromomethane	U		µg/kg	200	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC	
9. 2-Butanone	U	V+ L+	µg/kg	750	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC	
10. n-Butylbenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC	
11. sec-Butylbenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC	
12. tert-Butylbenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC	
13. Carbon Disulfide	U	V+ L+ F+	µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC	

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-008

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location D	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	09:52
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035
Method: EPA 5035A/EPA 8260D

Aliquot ID: A11924-008A **Matrix: Soil/Solid**
Description: Location D

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
14. Carbon Tetrachloride	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
15. Chlorobenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
16. Chloroethane	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
17. Chloroform	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
18. Chloromethane	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
19. 2-Chlorotoluene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
‡ 20. 1,2-Dibromo-3-chloropropane (SIM)	U	V+	µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
21. Dibromochloromethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
22. Dibromomethane	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
23. 1,2-Dichlorobenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
24. 1,3-Dichlorobenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
25. 1,4-Dichlorobenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
26. Dichlorodifluoromethane	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
27. 1,1-Dichloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
28. 1,2-Dichloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
29. 1,1-Dichloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
30. cis-1,2-Dichloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
31. trans-1,2-Dichloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
32. 1,2-Dichloropropane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
33. cis-1,3-Dichloropropene	U	V+	µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
34. trans-1,3-Dichloropropene	U	V+	µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
35. Ethylbenzene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
36. Ethylene Dibromide	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
37. 2-Hexanone	U	V+ L+ F+	µg/kg	2500	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
38. Isopropylbenzene	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
39. 4-Methyl-2-pentanone	U	V+ L+ F+	µg/kg	2500	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
40. Methylene Chloride	U		µg/kg	150	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
‡ 41. 2-Methylnaphthalene	U		µg/kg	330	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
42. MTBE	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
43. Naphthalene	U		µg/kg	330	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
44. n-Propylbenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
45. Styrene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
46. 1,1,1,2-Tetrachloroethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
47. 1,1,2,2-Tetrachloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-008

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location D	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	09:52
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Volatile Organic Compounds (VOCs) by GC/MS, 5035
Method: EPA 5035A/EPA 8260D

Aliquot ID: A11924-008A **Matrix: Soil/Solid**
Description: Location D

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
48. Tetrachloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
49. Toluene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
50. 1,2,4-Trichlorobenzene	U		µg/kg	250	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
51. 1,1,1-Trichloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
52. 1,1,2-Trichloroethane	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
53. Trichloroethene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
54. Trichlorofluoromethane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
55. 1,2,3-Trichloropropane	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
‡ 56. 1,2,3-Trimethylbenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
57. 1,2,4-Trimethylbenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
58. 1,3,5-Trimethylbenzene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
59. Vinyl Chloride	U		µg/kg	40	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
60. m&p-Xylene	U		µg/kg	100	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
61. o-Xylene	U		µg/kg	50	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC
‡ 62. Xylenes	U		µg/kg	150	1.0	11/08/22	VJ22K08A	11/08/22 11:07	VJ22K08A	SNC

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 3550C/EPA 8270E

Aliquot ID: A11924-008 **Matrix: Soil/Solid**
Description: Location D

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		Init.
						P. Date	P. Batch	A. Date	A. Batch	
1. Acenaphthene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
2. Acenaphthylene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
3. Aniline	U	V-	µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
4. Anthracene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
‡ 5. Azobenzene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
6. Benzo(a)anthracene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
7. Benzo(a)pyrene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
8. Benzo(b)fluoranthene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
9. Benzo(ghi)perylene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
10. Benzo(k)fluoranthene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
11. Benzyl Alcohol	U		µg/kg	3300	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
12. Bis(2-chloroethoxy)methane	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
13. Bis(2-chloroethyl)ether	U		µg/kg	100	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
14. Bis(2-ethylhexyl)phthalate	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
15. 4-Bromophenyl Phenylether	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
16. Butyl Benzyl Phthalate	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD

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Analytical Laboratory Report
Laboratory Project Number: A11924
Laboratory Sample Number: A11924-008

Order: A11924
Date: 11/30/22

Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location D	Chain of Custody:	209713
Client Project Name:	13038F-3-20	Sample No:		Collect Date:	11/07/22
Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	09:52
Sample Comments:	Soil results have been calculated and reported on a dry weight basis unless otherwise noted.				
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.				

Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 3550C/EPA 8270E

Aliquot ID: A11924-008
Description: Location D
Matrix: Soil/Solid

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
17. Di-n-butyl Phthalate	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
‡ 18. Carbazole	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
19. 4-Chloro-3-methylphenol	U		µg/kg	280	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
20. 2-Chloronaphthalene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
21. 2-Chlorophenol	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
22. 4-Chlorophenyl Phenylether	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
23. Chrysene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
24. Dibenzo(a,h)anthracene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
25. Dibenzofuran	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
26. 2,4-Dichlorophenol	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
27. Diethyl Phthalate	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
28. 2,4-Dimethylphenol	U	L-	µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
29. Dimethyl Phthalate	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
30. 2,4-Dinitrophenol	U		µg/kg	830	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
‡ 31. 2,4-Dinitrotoluene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
‡ 32. 2,6-Dinitrotoluene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
33. Fluoranthene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
34. Fluorene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
35. Hexachlorobenzene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
36. Hexachlorobutadiene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
37. Hexachlorocyclopentadiene	U	F-	µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
38. Hexachloroethane	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
39. Indeno(1,2,3-cd)pyrene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
‡ 40. Isophorone	U	V+ L+ F+	µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
41. 2-Methyl-4,6-dinitrophenol	U		µg/kg	830	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
42. 2-Methylnaphthalene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
43. 2-Methylphenol	U	L-	µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
‡ 44. 3&4-Methylphenol	U	L-	µg/kg	660	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
45. Naphthalene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
46. 2-Nitroaniline	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
47. 3-Nitroaniline	U		µg/kg	830	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
48. 4-Nitroaniline	U		µg/kg	830	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
49. Nitrobenzene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
50. 2-Nitrophenol	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
51. 4-Nitrophenol	U		µg/kg	830	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD

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Client Identification:	AKT Peerless Environ. Svcs, Inc. - Farm. Hills	Sample Description:	Location D	Chain of Custody:	209713
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Client Project No:	13038F-3-20	Sample Matrix:	Soil/Solid	Collect Time:	09:52
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Base/Neutral/Acid Semivolatiles by GC/MS
Method: EPA 3550C/EPA 8270E

Aliquot ID: A11924-008 **Matrix: Soil/Solid**
Description: Location D

Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	Preparation		Analysis		
						P. Date	P. Batch	A. Date	A. Batch	Init.
52. N-Nitrosodimethylamine	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
53. N-Nitrosodi-n-propylamine	U	L-	µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
54. N-Nitrosodiphenylamine	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
55. Di-n-octyl Phthalate	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
56. 2,2'-Oxybis(1-chloropropane)	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
57. Pentachlorophenol	U		µg/kg	800	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
58. Phenanthrene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
59. Phenol	U	L-	µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
60. Pyrene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
61. Pyridine	U	L-	µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
‡ 62. 1,2,4-Trichlorobenzene	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
63. 2,4,5-Trichlorophenol	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD
64. 2,4,6-Trichlorophenol	U		µg/kg	330	1.0	11/09/22	PS22K09F	11/10/22 05:10	SN22K09C	SJD

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Definitions/ Qualifiers:

- A:** Spike recovery or precision unusable due to dilution.
B: The analyte was detected in the associated method blank.
E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
J: The concentration is an estimated value.
M: Modified Method
U: The analyte was not detected at or above the reporting limit.
X: Matrix Interference has resulted in a raised reporting limit or distorted result.
W: Results reported on a wet-weight basis.
***:** Value reported is outside QC limits

Exception Summary:

- *** : Duplicate analysis not within control limits.
F- : Recovery from the spiked aliquot exceeds the lower control limit (matrix spike or matrix spike duplicate).
F+ : Recovery from the spiked aliquot exceeds the upper control limit (matrix spike or matrix spike duplicate).
G+ : Recovery of the associated Surrogate Compound exceeds the upper control limit. Results may be biased high.
L- : Recovery in the associated laboratory sample (LCS) exceeds the lower control limit. Results may be biased low.
L+ : Recovery in the associated laboratory sample (LCS) exceeds the upper control limit. Results may be biased high.
V- : Recovery in the associated continuing calibration verification sample (CCV) exceeds the lower control limit. Results may be biased low.
V+ : Recovery in the associated continuing calibration verification sample (CCV) exceeds the upper control limit. Results may be biased high.
Y1 : Sample was diluted due to a sample matrix issue.

Analysis Locations:

All analyses performed in Holt.



Accreditation Number(s):

T104704518-22-14 (TX)

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Chain of Custody #

209713

PAGE 1 of 1

Client Name: AKT Peerless		PARAMETERS										Matrix Code		Deliverables			
Contact Person: Brian Westhoff												S Soil A Air O Oil P Wipe		GW Ground Water SW Surface Water WW Waste Water X Other: Specify		Level 2 Level 3 Level 4 EDD	
Project Name/ Number: 13036F-3-20																	
Email distribution list: Westhoffba@aktpeerless.com																	
Quote#																	
Purchase Order#																	
Date	Time	Sample #	Client Sample Descriptor	MATRIX (SEE RIGHT CORNER FOR CODE)	# OF CONTAINERS	VOCs	SVOCs	PCBs	Herbicides	Pesticides	MI 10 metals	Hex. Chromium	HOLD SAMPLE	Remarks:			
11/7/22	1141		Location A	SW	8	X	X	X	X	X	X	X			needs lab filter		
	1151		Location A	S	2	X	X	X	X	X	X	X					
	1027		Location B	SW	8	X	X	X	X	X	X	X			needs lab filter		
	1037		Location B	S	2	X	X	X	X	X	X	X					
	1107		Location C	SW	8	X	X	X	X	X	X	X			needs lab filter		
	1113		Location C	S	2	X	X	X	X	X	X	X					
	0948		Location D	SW	8	X	X	X	X	X	X	X			needs lab filter		
	0952		Location D	S	2	X	X	X	X	X	X	X					
Comments:																	
Sampled/Relinquished By: Rachel Stenzel Rachel Stenzel																	
Relinquished By:				Date/ Time: 11/7/22 15:06				Received By: [Signature]									
Relinquished By:				Date/ Time:				Received By: [Signature]									
Relinquished By:				Date/ Time:				Received By Laboratory:									
Turnaround Time ALL RESULTS WILL BE SENT BY THE END OF THE BUSINESS DAY																	
1 bus. day 2 bus. days 3 bus. days 4 bus. days																	
X 5-7 bus. days (standard) Other (specify time/date requirement):																	
LAB USE ONLY																	
Fibertec project number: A11924																	
Temperature upon receipt at Lab: 5.7°C																	
Received On Ice																	
Please see back for terms and conditions																	