EDB / DBCP by Method 8011

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Ethylene Dibromide	U		0.00536	0.0200	1	05/04/2021 02:34	WG1663134
1,2-Dibromo-3-Chloropropane	U		0.00748	0.0200	1	05/04/2021 02:34	WG1663134

Pesticides (GC) by Method 8081B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Aldrin	U		0.00813	0.0400	1	05/04/2021 07:27	WG1662592
Alpha BHC	U		0.0166	0.0200	1	05/04/2021 07:27	WG1662592
Beta BHC	U		0.0184	0.0400	1	05/04/2021 07:27	WG1662592
Delta BHC	U		0.0197	0.0500	1	05/04/2021 07:27	WG1662592
Gamma BHC	U		0.0176	0.0300	1	05/04/2021 07:27	WG1662592
Chlordane	U		0.0977	0.500	1	05/04/2021 07:27	WG1662592
4,4-DDD	U		0.0170	0.0500	1	05/04/2021 07:27	WG1662592
4,4-DDE	U		0.0164	0.0500	1	05/04/2021 07:27	WG1662592
4,4-DDT	U		0.0177	0.0500	1	05/04/2021 07:27	WG1662592
Dieldrin	U		0.00751	0.0500	1	05/04/2021 07:27	WG1662592
Endosulfan I	U		0.0179	0.0500	1	05/04/2021 07:27	WG1662592
Endosulfan II	U		0.0176	0.0500	1	05/04/2021 07:27	WG1662592
Endosulfan sulfate	U		0.0196	0.0500	1	05/04/2021 07:27	WG1662592
Endrin	U		0.0189	0.0500	1	05/04/2021 07:27	WG1662592
Endrin aldehyde	U		0.0142	0.0500	1	05/04/2021 07:27	WG1662592
Endrin ketone	U		0.0170	0.0500	1	05/04/2021 07:27	WG1662592
Hexachlorobenzene	U		0.0134	0.0500	1	05/04/2021 07:27	WG1662592
Heptachlor	U		0.0108	0.0500	1	05/04/2021 07:27	WG1662592
Heptachlor epoxide	U		0.0175	0.0500	1	05/04/2021 07:27	WG1662592
Methoxychlor	U		0.0193	0.0500	1	05/04/2021 07:27	WG1662592
Toxaphene	U		0.168	0.500	1	05/04/2021 07:27	WG1662592
(S) Decachlorobiphenyl	*45.3*			*30.0-150*		*05/04/2021 07:27*	WG1662592
(S) Tetrachloro-m-xylene	*83.2*			*30.0-150*		*05/04/2021 07:27*	WG1662592

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
PCB 1016	U	J3	0.100	0.500	1	04/29/2021 22:08	WG1660598
PCB 1221	U		0.0730	0.500	1	04/29/2021 22:08	WG1660598
PCB 1232	U		0.0420	0.500	1	04/29/2021 22:08	WG1660598
PCB 1242	U		0.0470	0.500	1	04/29/2021 22:08	WG1660598
PCB 1248	U		0.0860	0.500	1	04/29/2021 22:08	WG1660598
PCB 1254	U		0.0470	0.500	1	04/29/2021 22:08	WG1660598
PCB 1260	U		0.120	0.500	1	04/29/2021 22:08	WG1660598
Total PCBs	U		0.0420	0.500	1	04/29/2021 22:08	WG1660598
(S) Decachlorobiphenyl	*76.8*			*30.0-150*		*04/29/2021 22:08*	WG1660598
(S) Tetrachloro-m-xylene	*70.7*			*30.0-150*		*04/29/2021 22:08*	WG1660598

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetophenone	U		0.208	10.0	1	05/01/2021 14:35	WG1662094
Atrazine	U		0.255	10.0	1	05/01/2021 14:35	WG1662094
Benzaldehyde	U		1.69	10.0	1	05/01/2021 14:35	WG1662094
Biphenyl	U	J4	0.790	10.0	1	05/01/2021 14:35	WG1662094
Bis(2-chlorethoxy)methane	U	J4	0.116	10.0	1	05/01/2021 14:35	WG1662094
Bis(2-chloroethyl)ether	U		0.137	10.0	1	05/01/2021 14:35	WG1662094
2,2-Oxybis(1-Chloropropane)	U		0.210	10.0	1	05/01/2021 14:35	WG1662094
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/01/2021 14:35	WG1662094

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Caprolactam	U	J4	0.309	10.0	1	05/01/2021 14:35	WG1662094
Carbazole	U		0.111	10.0	1	05/01/2021 14:35	WG1662094
4-Chloroaniline	U	J4	0.234	10.0	1	05/01/2021 14:35	WG1662094
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/01/2021 14:35	WG1662094
Dibenzofuran	U		0.0970	10.0	1	05/01/2021 14:35	WG1662094
3,3-Dichlorobenzidine	U	J4	0.212	10.0	1	05/01/2021 14:35	WG1662094
2,4-Dinitrotoluene	U		0.0983	10.0	1	05/01/2021 14:35	WG1662094
2,6-Dinitrotoluene	U		0.250	10.0	1	05/01/2021 14:35	WG1662094
Hexachloro-1,3-butadiene	U	J4	0.0968	10.0	1	05/01/2021 14:35	WG1662094
Hexachlorocyclopentadiene	U		0.0598	10.0	1	05/01/2021 14:35	WG1662094
Hexachloroethane	U		0.127	10.0	1	05/01/2021 14:35	WG1662094
Isophorone	U		0.143	10.0	1	05/01/2021 14:35	WG1662094
2-Nitroaniline	U		0.102	10.0	1	05/01/2021 14:35	WG1662094
3-Nitroaniline	U	J4	0.0869	10.0	1	05/01/2021 14:35	WG1662094
4-Nitroaniline	U		0.0910	10.0	1	05/01/2021 14:35	WG1662094
Nitrobenzene	U	J4	0.297	10.0	1	05/01/2021 14:35	WG1662094
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/01/2021 14:35	WG1662094
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/01/2021 14:35	WG1662094
Benzylbutyl phthalate	U		0.765	3.00	1	05/01/2021 14:35	WG1662094
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/01/2021 14:35	WG1662094
Di-n-butyl phthalate	U		0.453	3.00	1	05/01/2021 14:35	WG1662094
Diethyl phthalate	U		0.287	3.00	1	05/01/2021 14:35	WG1662094
Dimethyl phthalate	U		0.260	3.00	1	05/01/2021 14:35	WG1662094
Di-n-octyl phthalate	U		0.932	3.00	1	05/01/2021 14:35	WG1662094
1,2,4,5-Tetrachlorobenzene	U	J4	0.0647	10.0	1	05/01/2021 14:35	WG1662094
4-Chloro-3-methylphenol	U	J4	0.131	10.0	1	05/01/2021 14:35	WG1662094
2-Chlorophenol	U	J4	0.133	10.0	1	05/01/2021 14:35	WG1662094
2-Methylphenol	U	J4	0.0929	10.0	1	05/01/2021 14:35	WG1662094
3&4-Methyl Phenol	U		0.168	10.0	1	05/01/2021 14:35	WG1662094
2,4-Dichlorophenol	U	J4	0.102	10.0	1	05/01/2021 14:35	WG1662094
2,4-Dimethylphenol	U	J4	0.0636	10.0	1	05/01/2021 14:35	WG1662094
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/01/2021 14:35	WG1662094
2,4-Dinitrophenol	U		5.93	10.0	1	05/01/2021 14:35	WG1662094
2-Nitrophenol	U	J4	0.117	10.0	1	05/01/2021 14:35	WG1662094
4-Nitrophenol	U		0.143	10.0	1	05/01/2021 14:35	WG1662094
Pentachlorophenol	U		0.313	10.0	1	05/01/2021 14:35	WG1662094
Phenol	U		4.33	10.0	1	05/01/2021 14:35	WG1662094
2,4,5-Trichlorophenol	U	J4	0.109	10.0	1	05/01/2021 14:35	WG1662094
2,4,6-Trichlorophenol	U	J4	0.100	10.0	1	05/01/2021 14:35	WG1662094
(S) 2-Fluorophenol	*22.3*			*15.0-110*		*05/01/2021 14:35*	WG1662094
(S) Phenol-d5	*16.5*			*15.0-110*		*05/01/2021 14:35*	WG1662094
(S) Nitrobenzene-d5	*68.0*			*30.0-130*		*05/01/2021 14:35*	WG1662094
(S) 2-Fluorobiphenyl	*75.4*			*30.0-130*		*05/01/2021 14:35*	WG1662094
(S) 2,4,6-Tribromophenol	*65.0*			*15.0-110*		*05/01/2021 14:35*	WG1662094
(S) p-Terphenyl-d14	*81.3*			*30.0-130*		*05/01/2021 14:35*	WG1662094

Semi Volatile Organic Compounds (GC/MS) by Method 8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/01/2021 14:35	WG1662094		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	05/02/2021 10:06	WG1662407
Acenaphthene	U		0.0190	0.0500	1	05/02/2021 10:06	WG1662407
Acenaphthylene	U		0.0171	0.0500	1	05/02/2021 10:06	WG1662407
Benzo(a)anthracene	U		0.0203	0.0500	1	05/02/2021 10:06	WG1662407
Benzo(a)pyrene	U		0.0184	0.0500	1	05/02/2021 10:06	WG1662407
Benzo(b)fluoranthene	U		0.0168	0.0500	1	05/02/2021 10:06	WG1662407
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	05/02/2021 10:06	WG1662407
Benzo(k)fluoranthene	U		0.0202	0.0500	1	05/02/2021 10:06	WG1662407
Chrysene	U		0.0179	0.0500	1	05/02/2021 10:06	WG1662407
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	05/02/2021 10:06	WG1662407
Fluoranthene	U		0.0270	0.100	1	05/02/2021 10:06	WG1662407
Fluorene	U		0.0169	0.0500	1	05/02/2021 10:06	WG1662407
Hexachlorobenzene	U		0.00670	0.0200	1	05/02/2021 10:06	WG1662407
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	05/02/2021 10:06	WG1662407
Naphthalene	U		0.0917	0.250	1	05/02/2021 10:06	WG1662407
Phenanthrene	U		0.0180	0.0500	1	05/02/2021 10:06	WG1662407
Pyrene	U		0.0169	0.0500	1	05/02/2021 10:06	WG1662407
1-Methylnaphthalene	U		0.0687	0.250	1	05/02/2021 10:06	WG1662407
2-Methylnaphthalene	U		0.0674	0.250	1	05/02/2021 10:06	WG1662407
2-Chloronaphthalene	U		0.0682	0.250	1	05/02/2021 10:06	WG1662407
(S) Nitrobenzene-d5	*90.5*			*31.0-160*		*05/02/2021 10:06*	WG1662407
(S) 2-Fluorobiphenyl	*86.8*			*48.0-148*		*05/02/2021 10:06*	WG1662407
(S) p-Terphenyl-d14	*104*			*37.0-146*		*05/02/2021 10:06*	WG1662407

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	122		11.3	50.0	1	05/06/2021 12:33	WG1663922
Benzene	U		0.0941	1.00	1	05/06/2021 12:33	WG1663922
Bromochloromethane	U		0.128	1.00	1	05/06/2021 12:33	WG1663922
Bromodichloromethane	U		0.136	1.00	1	05/06/2021 12:33	WG1663922
Bromoform	U		0.129	1.00	1	05/06/2021 12:33	WG1663922
Bromomethane	U	C3	0.605	5.00	1	05/06/2021 12:33	WG1663922
Carbon disulfide	U		0.0962	1.00	1	05/06/2021 12:33	WG1663922
Carbon tetrachloride	U	C3	0.128	1.00	1	05/06/2021 12:33	WG1663922
Chlorobenzene	U		0.116	1.00	1	05/06/2021 12:33	WG1663922
Chlorodibromomethane	U		0.140	1.00	1	05/06/2021 12:33	WG1663922
Chloroethane	U		0.192	5.00	1	05/06/2021 12:33	WG1663922
Chloroform	U		0.111	5.00	1	05/06/2021 12:33	WG1663922
Chloromethane	U		0.960	2.50	1	05/06/2021 12:33	WG1663922
Cyclohexane	U		0.188	1.00	1	05/06/2021 12:33	WG1663922
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	05/06/2021 12:33	WG1663922
1,2-Dibromoethane	U		0.126	1.00	1	05/06/2021 12:33	WG1663922
1,2-Dichlorobenzene	U		0.107	1.00	1	05/06/2021 12:33	WG1663922
1,3-Dichlorobenzene	U		0.110	1.00	1	05/06/2021 12:33	WG1663922
1,4-Dichlorobenzene	U		0.120	1.00	1	05/06/2021 12:33	WG1663922
Dichlorodifluoromethane	U		0.374	5.00	1	05/06/2021 12:33	WG1663922
1,1-Dichloroethane	U		0.100	1.00	1	05/06/2021 12:33	WG1663922
1,2-Dichloroethane	U		0.0819	1.00	1	05/06/2021 12:33	WG1663922
1,1-Dichloroethene	U		0.188	1.00	1	05/06/2021 12:33	WG1663922
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/06/2021 12:33	WG1663922
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/06/2021 12:33	WG1663922
1,2-Dichloropropane	U		0.149	1.00	1	05/06/2021 12:33	WG1663922
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/06/2021 12:33	WG1663922
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/06/2021 12:33	WG1663922
Ethylbenzene	U		0.137	1.00	1	05/06/2021 12:33	WG1663922
2-Hexanone	U		0.787	10.0	1	05/06/2021 12:33	WG1663922
Isopropylbenzene	U		0.105	1.00	1	05/06/2021 12:33	WG1663922
2-Butanone (MEK)	U		1.19	10.0	1	05/06/2021 12:33	WG1663922
Methyl Acetate	U		1.29	20.0	1	05/06/2021 12:33	WG1663922
Methyl Cyclohexane	U		0.660	1.00	1	05/06/2021 12:33	WG1663922
Methylene Chloride	U		0.430	5.00	1	05/06/2021 12:33	WG1663922
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/06/2021 12:33	WG1663922
Methyl tert-butyl ether	U		0.101	1.00	1	05/06/2021 12:33	WG1663922
Naphthalene	U	C3	1.00	5.00	1	05/06/2021 12:33	WG1663922
Styrene	U		0.118	1.00	1	05/06/2021 12:33	WG1663922
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/06/2021 12:33	WG1663922
Tetrachloroethene	U		0.300	1.00	1	05/06/2021 12:33	WG1663922
Toluene	U		0.278	1.00	1	05/06/2021 12:33	WG1663922
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	05/06/2021 12:33	WG1663922
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/06/2021 12:33	WG1663922
1,1,1-Trichloroethane	U		0.149	1.00	1	05/06/2021 12:33	WG1663922
1,1,2-Trichloroethane	U		0.158	1.00	1	05/06/2021 12:33	WG1663922
Trichloroethene	U		0.190	1.00	1	05/06/2021 12:33	WG1663922
Trichlorofluoromethane	U		0.160	5.00	1	05/06/2021 12:33	WG1663922
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	05/06/2021 12:33	WG1663922
Vinyl chloride	U		0.234	1.00	1	05/06/2021 12:33	WG1663922
Xylenes, Total	U		0.174	3.00	1	05/06/2021 12:33	WG1663922
(S) Toluene-d8	*112*			*80.0-120*		*05/06/2021 12:33*	WG1663922
(S) 4-Bromofluorobenzene	*89.8*			*77.0-126*		*05/06/2021 12:33*	WG1663922
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*05/06/2021 12:33*	WG1663922

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	145	J N	0.000	0.000	1	05/06/2021 12:33	WG1663922		
Cyclopropane, 1,1-Dibromo-2-Chloro-2-Fluoro-	80.4	J N	0.000	0.000	1	05/06/2021 12:33	WG1663922	24071-57-6	1.65
Benzene, Fluoro-	10.5	J N	0.000	0.000	1	05/06/2021 12:33	WG1663922	462-06-6	4.87
Benzene, Methyl-, Trifluoro Deriv.	4.75	J N	0.000	0.000	1	05/06/2021 12:33	WG1663922	27359-10-0	5.38
C6d5cd3	9.94	J N	0.000	0.000	1	05/06/2021 12:33	WG1663922	2037-26-5	5.90
Benzene-D5-, Chloro-	17.6	J N	0.000	0.000	1	05/06/2021 12:33	WG1663922	3114-55-4	7.05
2-Furancarboxaldehyde	1.43	J N	0.000	0.000	1	05/06/2021 12:33	WG1663922	98-01-1	7.68
Benzene, 1-Bromo-3-Fluoro-	8.69	J N	0.000	0.000	1	05/06/2021 12:33	WG1663922	1073-06-9	8.01
1,4-Dichlorobenzene-D4	11.5	J N	0.000	0.000	1	05/06/2021 12:33	WG1663922	3855-82-1	8.96

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.5		1	05/04/2021 10:23	WG1663887

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		8.51	24.0	1	05/05/2021 22:52	WG1664182
(S) o-Terphenyl	*78.2*		*6.67*	*40.0-140*		*05/05/2021 22:52*	WG1664182

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.9		1	05/04/2021 10:23	WG1663887

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		8.36	23.5	1	05/05/2021 23:05	WG1664182
(S) o-Terphenyl	*78.3*		*6.67*	*40.0-140*		*05/05/2021 23:05*	WG1664182

Method Blank (MB)

(MB) R3649357-1 05/01/21 21:11

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1344477-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1344477-07 05/01/21 21:11 • (DUP) R3649357-3 05/01/21 21:11

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	97.5	97.6	1	0.127		10

Laboratory Control Sample (LCS)

(LCS) R3649357-2 05/01/21 21:11

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.1	100	85.0-115	

Method Blank (MB)

(MB) R3649354-1 05/01/21 20:45

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1344477-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1344477-18 05/01/21 20:45 • (DUP) R3649354-3 05/01/21 20:45

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.3	88.0	1	0.404		10

Laboratory Control Sample (LCS)

(LCS) R3649354-2 05/01/21 20:45

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3649353-1 05/01/21 20:29

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1344477-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1344477-24 05/01/21 20:29 • (DUP) R3649353-3 05/01/21 20:29

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.0	93.7	1	0.395		10

Laboratory Control Sample (LCS)

(LCS) R3649353-2 05/01/21 20:29

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3649003-1 04/30/21 13:02

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1344477-29 Original Sample (OS) • Duplicate (DUP)

(OS) L1344477-29 04/30/21 13:02 • (DUP) R3649003-3 04/30/21 13:02

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	96.1	96.3	1	0.278		10

Laboratory Control Sample (LCS)

(LCS) R3649003-2 04/30/21 13:02

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3650186-1 05/04/21 10:23

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1342889-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1342889-02 05/04/21 10:23 • (DUP) R3650186-3 05/04/21 10:23

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	98.0	98.0	1	0.0393		10

Laboratory Control Sample (LCS)

(LCS) R3650186-2 05/04/21 10:23

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

QUALITY CONTROL SUMMARY

L1344477-31,32

Method Blank (MB)

(MB) R3650317-1 05/04/21 20:07

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Cyanide	U		1.80	5.00

L1344443-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1344443-01 05/04/21 20:12 • (DUP) R3650317-3 05/04/21 20:13

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Cyanide	U	U	1	0.000		20

L1346574-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1346574-01 05/04/21 20:39 • (DUP) R3650317-8 05/04/21 20:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	ug/l	ug/l		%		%
Cyanide	4.47	5.32	1	17.4		20

Laboratory Control Sample (LCS)

(LCS) R3650317-2 05/04/21 20:08

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Cyanide	100	105	105	87.1-120	

L1344574-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1344574-01 05/04/21 20:17 • (MS) R3650317-4 05/04/21 20:20 • (MSD) R3650317-5 05/04/21 20:21

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Cyanide	100	U	101	104	101	104	1	90.0-110			2.93	20

L1345954-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345954-10 05/04/21 20:35 • (MS) R3650317-6 05/04/21 20:36 • (MSD) R3650317-7 05/04/21 20:37

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Cyanide	100	U	99.1	104	99.1	104	1	90.0-110			4.83	20

Method Blank (MB)

(MB) R3650065-1 05/04/21 10:35

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R3650065-2 05/04/21 10:37

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Mercury	3.00	2.95	98.5	80.0-120	

L1344747-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1344747-14 05/04/21 10:39 • (MS) R3650065-3 05/04/21 10:45 • (MSD) R3650065-4 05/04/21 10:47

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	U	3.08	2.93	103	97.8	1	75.0-125			4.76	20

Method Blank (MB)

(MB) R3651360-5 05/06/21 17:56

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Aluminum	U		18.5	100
Antimony	U		1.03	4.00
Arsenic	U		0.180	2.00
Barium	U		0.381	20.0
Beryllium	U		0.190	2.00
Cadmium	U		0.150	1.00
Calcium	U		93.6	1000
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Cobalt	U		0.0596	2.00
Iron	105		28.1	100
Lead	U		0.849	2.00
Magnesium	U		73.5	1000
Manganese	U		0.704	5.00
Nickel	U		0.816	2.00
Potassium	U		108	2000
Selenium	U		0.300	2.00
Silver	U		0.0700	2.00
Sodium	U		376	2000
Thallium	U		0.121	2.00
Vanadium	U		0.664	5.00
Zinc	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R3651360-1 05/06/21 17:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	5000	4980	99.5	80.0-120	
Antimony	50.0	55.0	110	80.0-120	
Arsenic	50.0	48.3	96.7	80.0-120	
Barium	50.0	47.6	95.2	80.0-120	
Beryllium	50.0	48.3	96.6	80.0-120	
Cadmium	50.0	48.8	97.6	80.0-120	
Calcium	5000	4930	98.5	80.0-120	
Chromium	50.0	50.2	100	80.0-120	
Copper	50.0	47.8	95.6	80.0-120	
Cobalt	50.0	50.1	100	80.0-120	
Iron	5000	5240	105	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3651360-1 05/06/21 17:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	50.0	50.1	100	80.0-120	
Magnesium	5000	4900	98.1	80.0-120	
Manganese	50.0	50.9	102	80.0-120	
Nickel	50.0	50.9	102	80.0-120	
Potassium	5000	4810	96.3	80.0-120	
Selenium	50.0	48.6	97.3	80.0-120	
Silver	50.0	50.7	101	80.0-120	
Sodium	5000	4750	94.9	80.0-120	
Thallium	50.0	49.0	98.0	80.0-120	
Vanadium	50.0	49.9	99.7	80.0-120	
Zinc	500	485	97.0	80.0-120	

L1343672-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1343672-08 05/06/21 17:29 • (MS) R3651360-3 05/06/21 18:09 • (MSD) R3651360-4 05/06/21 18:12

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	5000	U	4990	5050	99.9	101	1	75.0-125			1.17	20
Antimony	50.0	U	56.2	54.4	112	109	1	75.0-125			3.36	20
Arsenic	50.0	U	48.9	48.4	97.9	96.7	1	75.0-125			1.16	20
Barium	50.0	U	49.5	50.1	99.1	100	1	75.0-125			1.08	20
Beryllium	50.0	U	49.7	48.0	99.3	95.9	1	75.0-125			3.46	20
Cadmium	50.0	U	49.1	48.2	98.2	96.5	1	75.0-125			1.82	20
Calcium	5000	U	4980	5100	99.5	102	1	75.0-125			2.50	20
Chromium	50.0	U	53.7	49.7	107	99.5	1	75.0-125			7.74	20
Copper	50.0	4.94	51.5	51.2	93.1	92.6	1	75.0-125			0.429	20
Cobalt	50.0	U	50.2	50.0	100	100	1	75.0-125			0.374	20
Potassium	5000	U	4890	4890	97.7	97.7	1	75.0-125			0.0187	20
Iron	5000	U	5170	5220	103	104	1	75.0-125			1.06	20
Lead	50.0	U	49.7	50.7	99.4	101	1	75.0-125			2.01	20
Magnesium	5000	U	4840	4880	96.8	97.5	1	75.0-125			0.727	20
Manganese	50.0	U	50.6	49.5	101	99.0	1	75.0-125			2.17	20
Nickel	50.0	U	54.4	49.6	109	99.2	1	75.0-125			9.24	20
Selenium	50.0	U	47.6	49.4	95.1	98.8	1	75.0-125			3.77	20
Silver	50.0	U	51.8	51.8	104	104	1	75.0-125			0.0846	20
Sodium	5000	U	4700	4640	93.9	92.7	1	75.0-125			1.29	20
Thallium	50.0	U	49.9	51.0	99.8	102	1	75.0-125			2.13	20
Vanadium	50.0	U	50.0	49.1	100	98.2	1	75.0-125			1.86	20
Zinc	500	U	493	483	98.5	96.7	1	75.0-125			1.91	20

Method Blank (MB)

(MB) R3651188-3 05/06/21 09:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Benzene	U		0.0941	1.00
Bromodichloromethane	U		0.136	1.00
Bromochloromethane	U		0.128	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
Carbon disulfide	U		0.0962	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
Cyclohexane	U		0.188	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
Ethylbenzene	U		0.137	1.00
2-Hexanone	U		0.787	10.0
Isopropylbenzene	U		0.105	1.00
2-Butanone (MEK)	U		1.19	10.0
Methyl Acetate	U		1.29	20.0
Methyl Cyclohexane	U		0.660	1.00
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Styrene	U		0.118	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00

Method Blank (MB)

(MB) R3651188-3 05/06/21 09:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*111*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*

Method Blank (MB) - TENTATIVELY IDENTIFIED COMPOUNDS

(MB) R3651188-3 05/06/21 09:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l	CAS #

Number of TICs found: 0

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651188-1 05/06/21 08:37 • (LCSD) R3651188-2 05/06/21 09:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	28.9	25.7	116	103	40.0-160			11.7	20
Benzene	5.00	4.30	4.30	86.0	86.0	70.0-130			0.000	20
Bromodichloromethane	5.00	4.35	4.37	87.0	87.4	70.0-130			0.459	20
Bromochloromethane	5.00	4.31	4.22	86.2	84.4	70.0-130			2.11	20
Bromoform	5.00	4.07	4.23	81.4	84.6	70.0-130			3.86	20
Bromomethane	5.00	3.75	3.41	75.0	68.2	40.0-160			9.50	20
Carbon disulfide	5.00	4.53	4.52	90.6	90.4	40.0-160			0.221	20
Carbon tetrachloride	5.00	3.50	3.57	70.0	71.4	70.0-130			1.98	20
Chlorobenzene	5.00	4.31	4.40	86.2	88.0	70.0-130			2.07	20
Chlorodibromomethane	5.00	4.36	4.47	87.2	89.4	70.0-130			2.49	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651188-1 05/06/21 08:37 • (LCSD) R3651188-2 05/06/21 09:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloroethane	5.00	5.52	5.42	110	108	40.0-160			1.83	20
Chloroform	5.00	4.72	4.71	94.4	94.2	70.0-130			0.212	20
Chloromethane	5.00	6.91	6.66	138	133	40.0-160			3.68	20
Cyclohexane	5.00	4.01	3.87	80.2	77.4	70.0-130			3.55	30
1,2-Dibromo-3-Chloropropane	5.00	3.86	4.04	77.2	80.8	40.0-160			4.56	20
1,2-Dibromoethane	5.00	4.41	4.64	88.2	92.8	70.0-130			5.08	20
1,2-Dichlorobenzene	5.00	4.42	4.52	88.4	90.4	70.0-130			2.24	20
1,3-Dichlorobenzene	5.00	4.60	4.59	92.0	91.8	70.0-130			0.218	20
1,4-Dichlorobenzene	5.00	4.56	4.56	91.2	91.2	70.0-130			0.000	20
Dichlorodifluoromethane	5.00	5.26	5.24	105	105	40.0-160			0.381	20
1,1-Dichloroethane	5.00	5.23	5.24	105	105	70.0-130			0.191	20
1,2-Dichloroethane	5.00	4.71	4.84	94.2	96.8	70.0-130			2.72	20
1,1-Dichloroethene	5.00	4.99	4.92	99.8	98.4	70.0-130			1.41	20
cis-1,2-Dichloroethene	5.00	4.57	4.52	91.4	90.4	70.0-130			1.10	20
trans-1,2-Dichloroethene	5.00	4.35	4.37	87.0	87.4	70.0-130			0.459	20
1,2-Dichloropropane	5.00	4.99	4.67	99.8	93.4	70.0-130			6.63	20
cis-1,3-Dichloropropene	5.00	4.24	4.41	84.8	88.2	70.0-130			3.93	20
trans-1,3-Dichloropropene	5.00	4.72	4.85	94.4	97.0	70.0-130			2.72	20
Ethylbenzene	5.00	4.12	4.28	82.4	85.6	70.0-130			3.81	20
2-Hexanone	25.0	25.1	26.1	100	104	40.0-160			3.91	20
Isopropylbenzene	5.00	4.28	4.44	85.6	88.8	70.0-130			3.67	20
2-Butanone (MEK)	25.0	30.0	31.6	120	126	40.0-160			5.19	20
Methyl Acetate	25.0	31.6	32.6	126	130	70.0-130			3.12	30
Methyl Cyclohexane	5.00	4.81	4.58	96.2	91.6	40.0-160			4.90	30
Methylene Chloride	5.00	4.89	4.84	97.8	96.8	70.0-130			1.03	20
4-Methyl-2-pentanone (MIBK)	25.0	29.3	30.7	117	123	40.0-160			4.67	20
Methyl tert-butyl ether	5.00	4.62	4.68	92.4	93.6	70.0-130			1.29	20
Naphthalene	5.00	3.38	4.01	67.6	80.2	40.0-160			17.1	20
Styrene	5.00	4.13	4.23	82.6	84.6	70.0-130			2.39	20
1,1,2,2-Tetrachloroethane	5.00	5.64	5.53	113	111	70.0-130			1.97	20
Tetrachloroethene	5.00	4.34	4.11	86.8	82.2	70.0-130			5.44	20
Toluene	5.00	4.55	4.66	91.0	93.2	70.0-130			2.39	20
1,1,2-Trichlorotrifluoroethane	5.00	4.48	4.36	89.6	87.2	70.0-130			2.71	20
1,2,3-Trichlorobenzene	5.00	3.90	4.44	78.0	88.8	70.0-130			12.9	20
1,2,4-Trichlorobenzene	5.00	4.00	4.44	80.0	88.8	70.0-130			10.4	20
1,1,1-Trichloroethane	5.00	4.49	4.44	89.8	88.8	70.0-130			1.12	20
1,1,2-Trichloroethane	5.00	4.64	4.71	92.8	94.2	70.0-130			1.50	20
Trichloroethene	5.00	4.00	4.05	80.0	81.0	70.0-130			1.24	20
Trichlorofluoromethane	5.00	4.44	4.38	88.8	87.6	40.0-160			1.36	20
Vinyl chloride	5.00	5.35	5.29	107	106	70.0-130			1.13	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651188-1 05/06/21 08:37 • (LCSD) R3651188-2 05/06/21 09:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Xylenes, Total	15.0	12.1	12.5	80.7	83.3	70.0-130			3.25	20
(S) Toluene-d8				*108*	*111*	*80.0-120*				
(S) 4-Bromofluorobenzene				*88.8*	*92.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*114*	*115*	*70.0-130*				

Method Blank (MB)

(MB) R3650142-1 05/04/21 00:33

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Ethylene Dibromide	U		0.00536	0.0200
1,2-Dibromo-3-Chloropropane	U		0.00748	0.0200

L1343773-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1343773-07 05/04/21 01:22 • (DUP) R3650142-3 05/04/21 01:10

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ethylene Dibromide	U	U	1	0.000		20
1,2-Dibromo-3-Chloropropane	U	U	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3650142-4 05/04/21 03:22 • (LCSD) R3650142-5 05/04/21 05:58

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethylene Dibromide	0.250	0.276	0.267	110	107	70.0-130			3.31	20
1,2-Dibromo-3-Chloropropane	0.250	0.232	0.230	92.8	92.0	70.0-130			0.866	20

L1344632-03 Original Sample (OS) • Matrix Spike (MS)

(OS) L1344632-03 05/04/21 00:58 • (MS) R3650142-2 05/04/21 00:46

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ethylene Dibromide	0.100	U	0.113	113	1	70.0-130	
1,2-Dibromo-3-Chloropropane	0.100	U	0.0981	98.1	1	70.0-130	

Method Blank (MB)

(MB) R3648558-1 04/29/21 15:39

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
EPH Screen	U		7.10	20.0
(S) o-Terphenyl	*78.8*			*40.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3648558-2 04/29/21 15:53 • (LCSD) R3648558-3 04/29/21 16:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
EPH Screen	206	164	170	79.6	82.5	40.0-140			3.59	50
(S) o-Terphenyl				*81.0*	*79.7*	*40.0-140*				

L1343835-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1343835-01 04/29/21 19:40 • (MS) R3648558-4 04/29/21 19:53 • (MSD) R3648558-5 04/29/21 20:07

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
EPH Screen	223	U	177	160	79.6	71.8	1	40.0-140			10.3	50
(S) o-Terphenyl					*76.7*	*69.0*		*40.0-140*				

Method Blank (MB)

(MB) R3649216-1 04/30/21 14:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
EPH Screen	U		7.10	20.0
(S) o-Terphenyl	*78.6*			*40.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3649216-2 04/30/21 14:29 • (LCSD) R3649216-3 04/30/21 14:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
EPH Screen	206	151	166	73.3	80.6	40.0-140			9.46	50
(S) o-Terphenyl				*72.9*	*76.9*	*40.0-140*				

L1344477-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1344477-18 04/30/21 14:55 • (MS) R3649216-4 04/30/21 15:09 • (MSD) R3649216-5 04/30/21 15:22

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
EPH Screen	235	U	186	189	78.8	80.3	1	40.0-140			1.81	50
(S) o-Terphenyl					*75.6*	*79.1*		*40.0-140*				

Method Blank (MB)

(MB) R3651050-1 05/05/21 20:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
EPH Screen	U		7.10	20.0
(S) o-Terphenyl	*77.6*			*40.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651050-2 05/05/21 20:13 • (LCSD) R3651050-3 05/05/21 20:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
EPH Screen	206	157	175	76.2	85.0	40.0-140			10.8	50
(S) o-Terphenyl				*81.6*	*86.8*	*40.0-140*				

L1346847-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1346847-02 05/05/21 23:18 • (MS) R3651050-4 05/05/21 23:31 • (MSD) R3651050-5 05/05/21 23:45

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
EPH Screen	201	12.1	177	169	82.0	76.5	1	40.0-140			4.62	50
(S) o-Terphenyl					*77.9*	*77.5*		*40.0-140*				

Method Blank (MB)

(MB) R3650155-1 05/04/21 04:00

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Aldrin	U		0.00813	0.0400
Alpha BHC	U		0.0166	0.0200
Beta BHC	U		0.0184	0.0400
Delta BHC	U		0.0197	0.0500
Gamma BHC	U		0.0176	0.0300
4,4-DDD	U		0.0170	0.0500
4,4-DDE	U		0.0164	0.0500
4,4-DDT	U		0.0177	0.0500
Dieldrin	U		0.00751	0.0500
Endosulfan I	U		0.0179	0.0500
Endosulfan II	U		0.0176	0.0500
Endosulfan sulfate	U		0.0196	0.0500
Endrin	U		0.0189	0.0500
Endrin aldehyde	U		0.0142	0.0500
Endrin ketone	U		0.0170	0.0500
Heptachlor	U		0.0108	0.0500
Heptachlor epoxide	U		0.0175	0.0500
Hexachlorobenzene	U		0.0134	0.0500
Methoxychlor	U		0.0193	0.0500
Chlordane	U		0.0977	0.500
Toxaphene	U		0.168	0.500
(S) Decachlorobiphenyl	*54.6*			*30.0-150*
(S) Tetrachloro-m-xylene	*89.9*			*30.0-150*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3650155-2 05/04/21 04:15 • (LCSD) R3650155-3 05/04/21 04:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Aldrin	1.00	0.904	0.923	90.4	92.3	40.0-140			2.08	20
Alpha BHC	1.00	0.990	0.961	99.0	96.1	40.0-140			2.97	20
Beta BHC	1.00	1.06	1.03	106	103	40.0-140			2.87	20
Delta BHC	1.00	0.994	0.958	99.4	95.8	40.0-140			3.69	20
Gamma BHC	1.00	1.03	1.00	103	100	40.0-140			2.96	20
4,4-DDD	1.00	0.943	0.935	94.3	93.5	40.0-140			0.852	20
4,4-DDE	1.00	0.829	0.874	82.9	87.4	40.0-140			5.28	20
4,4-DDT	1.00	0.908	0.947	90.8	94.7	40.0-140			4.20	20
Dieldrin	1.00	1.01	0.990	101	99.0	40.0-140			2.00	20
Endosulfan I	1.00	1.05	1.04	105	104	40.0-140			0.957	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3650155-2 05/04/21 04:15 • (LCSD) R3650155-3 05/04/21 04:29

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Endosulfan II	1.00	1.03	1.03	103	103	40.0-140			0.000	20
Endosulfan sulfate	1.00	1.01	0.983	101	98.3	40.0-140			2.71	20
Endrin	1.00	0.992	0.979	99.2	97.9	40.0-140			1.32	20
Endrin aldehyde	1.00	1.21	1.18	121	118	40.0-140			2.51	20
Endrin ketone	1.00	1.11	1.08	111	108	40.0-140			2.74	20
Heptachlor	1.00	0.923	0.919	92.3	91.9	40.0-140			0.434	20
Heptachlor epoxide	1.00	0.970	0.950	97.0	95.0	40.0-140			2.08	20
Hexachlorobenzene	1.00	0.890	0.863	89.0	86.3	40.0-140			3.08	20
Methoxychlor	1.00	1.12	1.09	112	109	40.0-140			2.71	20
(S) Decachlorobiphenyl				*69.6*	*50.0*	*30.0-150*				
(S) Tetrachloro-m-xylene				*85.8*	*82.6*	*30.0-150*				

Method Blank (MB)

(MB) R3648791-1 04/29/21 21:19

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
PCB 1016	U		0.100	0.500
PCB 1221	U		0.0730	0.500
PCB 1232	U		0.0420	0.500
PCB 1242	U		0.0470	0.500
PCB 1248	U		0.0860	0.500
PCB 1254	U		0.0470	0.500
PCB 1260	U		0.120	0.500
Total PCBs	U		0.0420	0.500
(S) Decachlorobiphenyl	*70.2*			*30.0-150*
(S) Tetrachloro-m-xylene	*78.5*			*30.0-150*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3648791-2 04/29/21 21:32 • (LCSD) R3648791-3 04/29/21 21:44

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
PCB 1260	2.50	2.57	2.35	103	94.0	40.0-140			8.94	20
PCB 1016	2.50	2.52	3.36	101	134	40.0-140		J3	28.6	20
(S) Decachlorobiphenyl				*68.1*	*46.1*	*30.0-150*				
(S) Tetrachloro-m-xylene				*83.5*	*69.1*	*30.0-150*				

Method Blank (MB)

(MB) R3649188-2 05/01/21 12:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetophenone	U		0.208	10.0
Atrazine	U		0.255	10.0
Benzaldehyde	U		1.69	10.0
Biphenyl	U		0.790	10.0
Bis(2-chlorethoxy)methane	U		0.116	10.0
Bis(2-chloroethyl)ether	U		0.137	10.0
2,2-Oxybis(1-Chloropropane)	U		0.210	10.0
4-Bromophenyl-phenylether	U		0.0877	10.0
Caprolactam	U		0.309	10.0
Carbazole	U		0.111	10.0
4-Chloroaniline	U		0.234	10.0
4-Chlorophenyl-phenylether	U		0.0926	10.0
Dibenzofuran	U		0.0970	10.0
3,3-Dichlorobenzidine	U		0.212	10.0
2,4-Dinitrotoluene	U		0.0983	10.0
2,6-Dinitrotoluene	U		0.250	10.0
Hexachloro-1,3-butadiene	U		0.0968	10.0
Hexachlorocyclopentadiene	U		0.0598	10.0
Hexachloroethane	U		0.127	10.0
Isophorone	U		0.143	10.0
2-Nitroaniline	U		0.102	10.0
3-Nitroaniline	U		0.0869	10.0
4-Nitroaniline	U		0.0910	10.0
Nitrobenzene	U		0.297	10.0
n-Nitrosodiphenylamine	U		2.37	10.0
n-Nitrosodi-n-propylamine	U		0.261	10.0
Benzylbutyl phthalate	U		0.765	3.00
Bis(2-ethylhexyl)phthalate	U		0.895	3.00
Di-n-butyl phthalate	U		0.453	3.00
Diethyl phthalate	U		0.287	3.00
Dimethyl phthalate	U		0.260	3.00
Di-n-octyl phthalate	U		0.932	3.00
4-Chloro-3-methylphenol	U		0.131	10.0
2-Chlorophenol	U		0.133	10.0
2-Methylphenol	U		0.0929	10.0
3&4-Methyl Phenol	U		0.168	10.0
2,4-Dichlorophenol	U		0.102	10.0
2,4-Dimethylphenol	U		0.0636	10.0
4,6-Dinitro-2-methylphenol	U		1.12	10.0
2,4-Dinitrophenol	U		5.93	10.0

Method Blank (MB)

(MB) R3649188-2 05/01/21 12:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
2-Nitrophenol	U		0.117	10.0
4-Nitrophenol	U		0.143	10.0
Pentachlorophenol	U		0.313	10.0
Phenol	U		4.33	10.0
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0
2,4,5-Trichlorophenol	U		0.109	10.0
2,4,6-Trichlorophenol	U		0.100	10.0
(S) Nitrobenzene-d5	*69.4*			*30.0-130*
(S) 2-Fluorobiphenyl	*78.3*			*30.0-130*
(S) p-Terphenyl-d14	*83.1*			*30.0-130*
(S) Phenol-d5	*17.1*			*15.0-110*
(S) 2-Fluorophenol	*22.9*			*15.0-110*
(S) 2,4,6-Tribromophenol	*56.0*			*15.0-110*

Method Blank (MB) - TENTATIVELY IDENTIFIED COMPOUNDS

(MB) R3649188-2 05/01/21 12:23

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l	CAS #

Number of TICs found: 0

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Laboratory Control Sample (LCS)

(LCS) R3649188-1 05/01/21 11:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetophenone	50.0	40.6	81.2	70.0-130	
Atrazine	50.0	36.1	72.2	70.0-130	
Benzaldehyde	50.0	38.7	77.4	20.0-160	
Biphenyl	50.0	34.9	69.8	70.0-130	J4
Bis(2-chlorethoxy)methane	50.0	33.9	67.8	70.0-130	J4
Bis(2-chloroethyl)ether	50.0	36.4	72.8	70.0-130	
2,2-Oxybis(1-Chloropropane)	50.0	35.4	70.8	70.0-130	
4-Bromophenyl-phenylether	50.0	43.8	87.6	70.0-130	
Caprolactam	50.0	8.48	17.0	20.0-160	J4
Carbazole	50.0	37.2	74.4	70.0-130	
4-Chloroaniline	50.0	23.3	46.6	70.0-130	J4

Laboratory Control Sample (LCS)

(LCS) R3649188-1 05/01/21 11:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	50.0	36.7	73.4	70.0-130	
Dibenzofuran	50.0	36.6	73.2	70.0-130	
3,3-Dichlorobenzidine	100	64.6	64.6	70.0-130	J4
2,4-Dinitrotoluene	50.0	40.0	80.0	70.0-130	
2,6-Dinitrotoluene	50.0	37.5	75.0	70.0-130	
Hexachloro-1,3-butadiene	50.0	28.3	56.6	70.0-130	J4
Hexachlorocyclopentadiene	50.0	19.5	39.0	20.0-160	
Hexachloroethane	50.0	32.5	65.0	20.0-160	
Isophorone	50.0	35.6	71.2	70.0-130	
2-Nitroaniline	50.0	39.3	78.6	70.0-130	
3-Nitroaniline	50.0	32.2	64.4	70.0-130	J4
4-Nitroaniline	50.0	35.5	71.0	70.0-130	
Nitrobenzene	50.0	32.5	65.0	70.0-130	J4
n-Nitrosodiphenylamine	50.0	33.3	66.6	20.0-160	
n-Nitrosodi-n-propylamine	50.0	38.2	76.4	70.0-130	
Benzylbutyl phthalate	50.0	45.2	90.4	70.0-130	
Bis(2-ethylhexyl)phthalate	50.0	40.5	81.0	70.0-130	
Di-n-butyl phthalate	50.0	41.0	82.0	70.0-130	
Diethyl phthalate	50.0	38.9	77.8	70.0-130	
Dimethyl phthalate	50.0	37.8	75.6	70.0-130	
Di-n-octyl phthalate	50.0	38.2	76.4	70.0-130	
4-Chloro-3-methylphenol	50.0	23.8	47.6	70.0-130	J4
2-Chlorophenol	50.0	22.6	45.2	70.0-130	J4
2-Methylphenol	50.0	20.3	40.6	70.0-130	J4
3&4-Methyl Phenol	50.0	20.0	40.0	20.0-160	
2,4-Dichlorophenol	50.0	24.1	48.2	70.0-130	J4
2,4-Dimethylphenol	50.0	21.6	43.2	70.0-130	J4
4,6-Dinitro-2-methylphenol	50.0	44.6	89.2	70.0-130	
2,4-Dinitrophenol	50.0	38.2	76.4	20.0-160	
2-Nitrophenol	50.0	29.3	58.6	70.0-130	J4
4-Nitrophenol	50.0	11.2	22.4	20.0-160	
Pentachlorophenol	50.0	42.2	84.4	20.0-160	
Phenol	50.0	10.0	20.0	20.0-160	
1,2,4,5-Tetrachlorobenzene	50.0	32.0	64.0	70.0-130	J4
2,4,5-Trichlorophenol	50.0	31.2	62.4	70.0-130	J4
2,4,6-Trichlorophenol	50.0	30.5	61.0	70.0-130	J4
(S) Nitrobenzene-d5			*64.3*	*30.0-130*	
(S) 2-Fluorobiphenyl			*84.2*	*30.0-130*	
(S) p-Terphenyl-d14			*92.2*	*30.0-130*	
(S) Phenol-d5			*21.9*	*15.0-110*	

Laboratory Control Sample (LCS)

(LCS) R3649188-1 05/01/21 11:40

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) 2-Fluorophenol			*32.4*	*15.0-110*	
(S) 2,4,6-Tribromophenol			*96.5*	*15.0-110*	

L1345004-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345004-01 05/02/21 14:36 • (MS) R3649605-1 05/02/21 14:58 • (MSD) R3649605-2 05/02/21 15:19

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetophenone	50.0	U	40.2	40.2	80.4	80.4	1	70.0-130			0.000	34.9
Atrazine	50.0	U	34.3	36.3	68.6	72.6	1	70.0-130	J6		5.67	20
Benzaldehyde	50.0	U	80.7	79.4	161	159	1	20.0-160	J5		1.62	37.7
Biphenyl	50.0	U	26.9	28.8	53.8	57.6	1	70.0-130	J6	J6	6.82	20
Caprolactam	50.0	U	8.41	7.93	16.8	15.9	1	20.0-160	J6	J6	5.88	37.3
Bis(2-chlorethoxy)methane	50.0	U	30.7	31.2	61.4	62.4	1	70.0-130	J6	J6	1.62	25.8
Bis(2-chloroethyl)ether	50.0	U	39.0	38.5	78.0	77.0	1	70.0-130			1.29	40
2,2-Oxybis(1-Chloropropane)	50.0	U	31.9	32.0	63.8	64.0	1	70.0-130	J6	J6	0.313	37.2
4-Bromophenyl-phenylether	50.0	U	25.8	26.2	51.6	52.4	1	70.0-130	J6	J6	1.54	23.2
Carbazole	50.0	U	35.1	35.6	70.2	71.2	1	70.0-130			1.41	20
4-Chloroaniline	50.0	U	21.3	21.8	42.6	43.6	1	70.0-130	J6	J6	2.32	21.9
4-Chlorophenyl-phenylether	50.0	U	26.7	28.3	53.4	56.6	1	70.0-130	J6	J6	5.82	20
Dibenzofuran	50.0	U	28.5	30.1	57.0	60.2	1	70.0-130	J6	J6	5.46	20
3,3-Dichlorobenzidine	100	U	44.1	44.3	44.1	44.3	1	70.0-130	J6	J6	0.452	26.9
2,4-Dinitrotoluene	50.0	U	33.6	35.9	67.2	71.8	1	70.0-130	J6		6.62	20.6
2,6-Dinitrotoluene	50.0	U	32.6	34.0	65.2	68.0	1	70.0-130	J6	J6	4.20	22.2
Hexachloro-1,3-butadiene	50.0	U	23.2	24.1	46.4	48.2	1	70.0-130	J6	J6	3.81	37.6
Hexachlorocyclopentadiene	50.0	U	16.5	18.7	33.0	37.4	1	20.0-160			12.5	27.8
Hexachloroethane	50.0	U	27.9	28.7	55.8	57.4	1	20.0-160			2.83	40
Isophorone	50.0	U	28.6	29.3	57.2	58.6	1	70.0-130	J6	J6	2.42	22.9
2-Nitroaniline	50.0	U	32.0	35.0	64.0	70.0	1	70.0-130	J6		8.96	21.8
3-Nitroaniline	50.0	U	28.7	30.0	57.4	60.0	1	70.0-130	J6	J6	4.43	23
4-Nitroaniline	50.0	U	32.1	35.5	64.2	71.0	1	70.0-130	J6		10.1	22.4
Nitrobenzene	50.0	U	32.3	33.1	64.6	66.2	1	70.0-130	J6	J6	2.45	29
n-Nitrosodiphenylamine	50.0	U	11.9	12.2	23.8	24.4	1	20.0-160			2.49	20
n-Nitrosodi-n-propylamine	50.0	U	35.7	35.6	71.4	71.2	1	70.0-130			0.281	29.7
Benzylbutyl phthalate	50.0	U	27.2	27.6	54.4	55.2	1	70.0-130	J6	J6	1.46	21.2
Bis(2-ethylhexyl)phthalate	50.0	U	5.61	4.84	11.2	9.68	1	70.0-130	J6	J6	14.7	27.6
Di-n-butyl phthalate	50.0	U	28.5	28.7	57.0	57.4	1	70.0-130	J6	J6	0.699	20
Diethyl phthalate	50.0	U	32.7	33.8	65.4	67.6	1	70.0-130	J6	J6	3.31	20
Dimethyl phthalate	50.0	U	32.2	34.0	64.4	68.0	1	70.0-130	J6	J6	5.44	20

L1345004-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345004-01 05/02/21 14:36 • (MS) R3649605-1 05/02/21 14:58 • (MSD) R3649605-2 05/02/21 15:19

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Di-n-octyl phthalate	50.0	U	5.65	4.90	11.3	9.80	1	70.0-130	J6	J6	14.2	22.9
4-Chloro-3-methylphenol	50.0	U	17.3	19.3	34.6	38.6	1	70.0-130	J6	J6	10.9	20
2-Chlorophenol	50.0	U	20.5	21.7	41.0	43.4	1	70.0-130	J6	J6	5.69	32.4
2-Methylphenol	50.0	U	18.1	19.4	36.2	38.8	1	70.0-130	J6	J6	6.93	40
3&4-Methyl Phenol	50.0	U	18.6	19.7	37.2	39.4	1	20.0-160			5.74	27.7
2,4-Dichlorophenol	50.0	U	19.8	21.8	39.6	43.6	1	70.0-130	J6	J6	9.62	27.3
2,4-Dimethylphenol	50.0	U	18.9	20.5	37.8	41.0	1	70.0-130	J6	J6	8.12	35.4
4,6-Dinitro-2-methylphenol	50.0	U	24.7	26.6	49.4	53.2	1	70.0-130	J6	J6	7.41	37.4
2,4-Dinitrophenol	50.0	U	25.1	27.6	50.2	55.2	1	20.0-160			9.49	40
2-Nitrophenol	50.0	U	21.8	23.3	43.6	46.6	1	70.0-130	J6	J6	6.65	34
4-Nitrophenol	50.0	U	78.8	82.8	158	166	1	20.0-160		J5	4.95	40
Pentachlorophenol	50.0	U	16.5	17.6	33.0	35.2	1	20.0-160			6.45	40
Phenol	50.0	U	10.9	11.2	21.8	22.4	1	20.0-160			2.71	40
1,2,4,5-Tetrachlorobenzene	50.0	U	27.0	28.6	54.0	57.2	1	70.0-130	J6	J6	5.76	29.8
2,4,5-Trichlorophenol	50.0	U	22.2	26.0	44.4	52.0	1	70.0-130	J6	J6	15.8	33.8
2,4,6-Trichlorophenol	50.0	U	21.6	24.0	43.2	48.0	1	70.0-130	J6	J6	10.5	29.9
(S) Nitrobenzene-d5					*68.1*	*70.0*		*30.0-130*				
(S) 2-Fluorobiphenyl					*62.4*	*65.1*		*30.0-130*				
(S) p-Terphenyl-d14					*26.8*	*27.6*		*30.0-130*	J2	J2		
(S) Phenol-d5					*20.3*	*20.8*		*15.0-110*				
(S) 2-Fluorophenol					*30.7*	*31.6*		*15.0-110*				
(S) 2,4,6-Tribromophenol					*41.5*	*44.8*		*15.0-110*				

Method Blank (MB)

(MB) R3649300-3 05/02/21 09:26

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	U		0.0190	0.0500
Acenaphthylene	U		0.0171	0.0500
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(g,h,i)perylene	U		0.0184	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Fluoranthene	U		0.0270	0.100
Fluorene	U		0.0169	0.0500
Hexachlorobenzene	U		0.00670	0.0200
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
Phenanthrene	U		0.0180	0.0500
Pyrene	U		0.0169	0.0500
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
2-Chloronaphthalene	U		0.0682	0.250
(S) Nitrobenzene-d5	*83.5*			*31.0-160*
(S) 2-Fluorobiphenyl	*83.0*			*48.0-148*
(S) p-Terphenyl-d14	*100*			*37.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3649300-1 05/02/21 08:46 • (LCSD) R3649300-2 05/02/21 09:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	2.00	1.85	1.79	92.5	89.5	70.0-130			3.30	20
Acenaphthene	2.00	1.76	1.73	88.0	86.5	70.0-130			1.72	20
Acenaphthylene	2.00	1.92	1.88	96.0	94.0	70.0-130			2.11	20
Benzo(a)anthracene	2.00	1.86	1.80	93.0	90.0	70.0-130			3.28	20
Benzo(a)pyrene	2.00	1.66	1.67	83.0	83.5	70.0-130			0.601	20
Benzo(b)fluoranthene	2.00	1.69	1.67	84.5	83.5	70.0-130			1.19	20
Benzo(g,h,i)perylene	2.00	1.67	1.67	83.5	83.5	70.0-130			0.000	20
Benzo(k)fluoranthene	2.00	1.66	1.64	83.0	82.0	70.0-130			1.21	20
Chrysene	2.00	1.78	1.83	89.0	91.5	70.0-130			2.77	20
Dibenz(a,h)anthracene	2.00	1.75	1.73	87.5	86.5	70.0-130			1.15	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3649300-1 05/02/21 08:46 • (LCSD) R3649300-2 05/02/21 09:06

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Fluoranthene	2.00	2.16	1.91	108	95.5	70.0-130			12.3	20
Fluorene	2.00	1.86	1.84	93.0	92.0	70.0-130			1.08	20
Indeno(1,2,3-cd)pyrene	2.00	1.74	1.73	87.0	86.5	70.0-130			0.576	20
Hexachlorobenzene	2.00	1.89	1.67	94.5	83.5	70.0-130			12.4	20
Naphthalene	2.00	1.47	1.42	73.5	71.0	70.0-130			3.46	20
Phenanthrene	2.00	1.80	1.79	90.0	89.5	70.0-130			0.557	20
Pyrene	2.00	1.66	1.70	83.0	85.0	70.0-130			2.38	20
1-Methylnaphthalene	2.00	1.60	1.53	80.0	76.5	70.0-130			4.47	20
2-Methylnaphthalene	2.00	1.51	1.45	75.5	72.5	70.0-130			4.05	20
2-Chloronaphthalene	2.00	1.62	1.57	81.0	78.5	70.0-130			3.13	20
(S) Nitrobenzene-d5				*94.5*	*87.5*	*31.0-160*				
(S) 2-Fluorobiphenyl				*85.5*	*82.5*	*48.0-148*				
(S) p-Terphenyl-d14				*104*	*102*	*37.0-146*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RT	Retention Time.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

GLOSSARY OF TERMS

Qualifier	Description
N	The analyte is tentatively identified and the associated numerical value may not be consistent with the actual concentration present in the sample.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
TTI Environmental, Inc. - NJ

1253 North Church Street
Moorestown, NJ 08057

Billing Information:
Attn: Accounts Payable
1253 N Church St
Moorestown, NJ 08057

Pres Chk

Report to:
Mr. Andy Basehoar

Email To: **andyb@ttienv.com**

Project Description:
CRA Reliable Tire

City/State Collected: Camden, NJ

Please Circle: PT MT CT ET

Phone: **856-840-8800**

Client Project # 20-763

Lab Project # **TTIENVMNJ-CRARELIABL**

Collected by (print): Alec Halbuner

Site/Facility ID # **NJ**

P.O. #

Collected by (signature): Alec Halbuner

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 4

Pace Analytical®

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1344477

B055

Acctnum: **TTIENVMNJ**

Template: **T186181**

Prelogin: **P842445**

PM: **3513 - Jennifer Huckaba**

PB: ~~TB 4-22-21~~

Shipped Via: **FedEX Standard**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	~~DRORLA (DRO/ORO), TS 4oz Cl- NoPres~~ Ext. Cnt. 1	~~GRO 40ml/NaHSO4/Syr/MeOH~~ PAHs (hold)	~~SVEPHSNJ (CAT 1), TS 4oz Amb NoPres~~	~~SVEPHSNJ (CAT 2), TS 4oz Amb NoPres~~	~~Meth thickener and 2 methyl naphthalene (hold)~~	Remarks	Sample # (lab only)
AOC1-1 @12.0-12.5	Grab	SS	12-12.5	4/26/21	0920	2	X	X			X		-01
AOC1-2@12.0-12.5		SS	12-12.5		0930	2	X	X			X		-02
AOC1-3@13.0-13.5		SS	13-13.5		0940	1	X	X			X		-03
AOC1-4@11.0-11.5		SS	11-11.5		0952	1	X	X			X		-04
AOC1-5@12.0-12.5		SS	12-12.5		1005	1	X	X			X		-05
AOC1-6@12.0-12.5		SS	12-12.5		1015	1	X	X	X		X		-06
AOC1-7@12-12.5		SS	12-12.5		1020	1	X	X	X		X		-07
AOC1-8@12-12.5		SS	12-12.5		1040	1	X	X	X		X		-08
AOC1-9@12-12.5		SS	12-12.5		1050	1	X	X	X		X		-09
AOC1-10@12.0-12.5		SS	12-12.5		1052	1	X	X	X		X		-10

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Alec Halbuner	4/26/21	1545		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.2 °C Bottles Received: 6	
				0, 1, 2, 2, 0, 3	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/27/21 Time: 1230	Hold: Condition: NCF / OK

Company Name/Address:
TTI Environmental, Inc. - NJ

1253 North Church Street
Moorestown, NJ 08057

Billing Information:
Attn: Accounts Payable
1253 N Church St
Moorestown, NJ 08057

Report to:
Mr. Andy Basehoar

Email To: **andyb@ttienv.com**

Project Description:
CRA Reliable Tire

City/State Collected: Camden, NJ

Please Circle: PT MT CT ET

Phone: **856-840-8800**

Client Project # 20-763

Lab Project # TTIENVMNJ-CRARELIABL

Collected by (print): Alec Halbiner

Site/Facility ID # NJ

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DRO/ORO (DRO/ORO), TS 4oz Cl-NoPres	GRO 40ml/NaHSO4/Syr/MeOH	SVEPHSNJ (CAT 1), TS 4ozAmb-NoPres	SVEPHSNJ (CAT 2), TS 4ozAmb-NoPres	EDH Cat. I	PAHs (Hold)	Naphthalene + 2-methyl-Naphthalene (Hold)				Remarks	Sample # (lab only)
AOC1-11@11.5-12.0	Grab	SS	11.5-12	4/26/21	1100	1			X		X	X	X					-11
AOC1-12@11.5-12.0		SS	11.5-12		1110	1			X		X	X	X					-12
AOC1-13@12.0-12.5		SS	12-12.5		1116	1			X		X	X	X					-13
AOC1-14@13.0-13.5		SS	13-13.5		1130	1			X		X	X	X					-14
AOC1-15@11.5-12.0		SS	11.5-12		1220	1			X		X	X	X					-15
AOC1-16@11.0-11.5		SS	11-11.5		1227	1			X		X	X	X					-16
AOC1-17@11.5-12.0		SS	11.5-12		1234	1			X		X	X	X					-17
AOC1-18@10.5-11.0		SS	10.5-11		1240	1			X		X	X	X					-18
AOC1-19@11.5-12.0		SS	11.5-12		1249	1			X		X	X	X					-19
AOC1-20@10.5-11.0		SS	10.5-11		1255	1			X		X	X	X					-20

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCl / MeoH TBR
	4/26/21	1545		1
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 12 °C Bottles Received: 62
				0,1,1,2=0.3
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/27/21 Time: 1230

If preservation required by Login: Date/Time

Hold:

Condition: NCF X OK

Chain of Custody Page 2 of 4

Pace Analytical®

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # U344477

Table #

Acctnum: **TTIENVMNJ**

Template: **T186181**

Prelogin: **P842445**

PM: **3513 - Jennifer Huckaba**

PB: TB 4-22-21

Shipped Via: **FedEX Standard**

Company Name/Address:
TTI Environmental, Inc. - NJ

1253 North Church Street
Moorestown, NJ 08057

Billing Information:
Attn: Accounts Payable
1253 N Church St
Moorestown, NJ 08057

Pres Chk

Report to:
Mr. Andy Basehoar

Email To: **andyb@ttienv.com**

Project Description:
CRA Reliable Tire

City/State Collected: Camden, NJ

Please Circle: PT MT CT ET

Phone: **856-840-8800**

Client Project # 20-763

Lab Project # **TTIENVMNJ-CRARELIABL**

Collected by (print): Alec Tabellione

Site/Facility ID # **NJ**

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	BRORLA (DRO/ORO), TS 4ozClr-NoPres	GRO 40ml/NaHSO4/Syr/MeOH	SVEPHSNJ (CAT 1), TS 4ozAmb-NoPres	SVEPHSNJ (CAT 2), TS 4ozAmb-NoPres	EPH Cat. I	PAHs (Mod)	Naphthalene + 2-methylnaphthalene (Mod)				Remarks	Sample # (lab only)
AOC1-21@12.0-12.5	Grab	SS	12-12.5	4/26/21	1305	1			X		X	X	X					-21
AOC1-22@12.0-12.5		SS	12-12.5		1315	1			X		X	X	X					-22
AOC1-23@12.0-12.5		SS	12-12.5		1325	1			X		X	X	X					-23
AOC1-24@11.5-12.0		SS	11.5-12		1332	1			X		X	X	X					-24
AOC1-25@10.5-11.0		SS	10.5-11		1405	1			X		X	X	X					-25
AOC1-26@10.5-11.0		SS	10.5-11		1415	1			X		X	X	X					-26
AOC1-27@10.5-11.0		SS	10.5-11		1430	1			X		X	X	X					-27
AOC1-28@11.5-12.0		SS	11.5-12		1435	0x			X		X	X	X					
BD-1		SS	—		—	1			X		X	X	X					-28
BD-2		SS	—		—	1			X		X	X	X					-29

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No (HCL / MeoH TBR)	
	4/26/21	1545			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.2 °C	Bottles Received: 62
				4/27/21 0303	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4/27/21	Time: 1430

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Chain of Custody Page 3 of 4

Pace Analytical®

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1314477

Table #

Acctnum: **TTIENVMNJ**

Template: **T186181**

Prelogin: **P842445**

PM: **3513 - Jennifer Huckaba**

PB: TB 4-22-21

Shipped Via: **FedEX Standard**

Company Name/Address:
TTI Environmental, Inc. - NJ

1253 North Church Street
Moorestown, NJ 08057

Billing Information:
Attn: Accounts Payable
1253 N Church St
Moorestown, NJ 08057

Pres Chk

Report to:
Mr. Andy Basehoar

Email To: **andyb@ttienv.com**

Project Description:
CRA Reliable Tire

City/State Collected: Camden, NJ

Please Circle: PT MT CT ET

Phone: **856-840-8800**

Client Project #
20-763

Lab Project #
TTIENVMNJ-CRARELIABL

Collected by (print):
Alec Halbruner

Site/Facility ID #
NJ

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Chain of Custody Page 4 of 4

Pace Analytical®

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1344477

Table #

Acctnum: **TTIENVMNJ**

Template: **T186181**

Prelogin: **P842445**

PM: **3513 - Jennifer Huckaba**

PB: R 4-22-21

Shipped Via: **FedEX Standard**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DRORLA (DRO/ORO), TS 4oz Clr-NoPres	GRO 40ml/NaHSO4/Syr/MeOH	SVEPHSNJ (CAT 1), TS 4oz Amb-NoPres	SVEPHSNJ (CAT 2), TS 4oz Amb-NoPres	EPH Cat, I	PAHs (hold)	Naphthalene + 2-methyl-naphthalene (hold)	Full TCL ITAL	VOCs	Remarks	Sample # (lab only)
BD-3	Grab	SS	-	4/26/21	-	7/10			X		X	X	X				-30
~~BD-4~~ BD-4	Grab	SS	-	4/26/21	-	2/0			X		X	X	X				
FB-4262021		~~SS~~	-		1530	1/15			X					X			-31
EB-4262021		~~SS~~	-		1320	1/15			X					X			-32
~~Trip Blank~~		~~SS~~	-		~~1530~~	1			X						X		
TB-4262021		~~SS~~	-		1520	1			X						X		-33
		~~SS~~				1			X								
		~~SS~~				1			X								
		~~SS~~				1			X								
		~~SS~~				1			X								
		~~SS~~				1			X								

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: X Y __N
Bottles arrive intact: X Y __N
Correct bottles used: X Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: X Y __N
RAD Screen <0.5 mR/hr: X Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
	4/26/21	1545		1
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp °C Bottles Received:
				0.1/FB=0.3 62
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				4/27/21 1230

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name: Pace Analytical National ***Client:*** TTI Environmental, Inc.

Project Location: Camden, NJ ***Project Number:*** 20-763

Laboratory Sample ID(s): L1344477-01 thru -36 ***Sampling Date(s):*** 04/26/21

List DKQP Methods Used (e.g., 8260, 8270, et cetera) NJEPH,4500CN E-2011,7470A,6020B, 8260D,8011,8081B,8082A,8270E,8270E-SIM

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	X Yes □ No
1A	Were the method specified handling, preservation, and holding time requirements met?	X Yes □ No
1B	*EPH Method*: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	X Yes □ No □ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	X Yes □ No
3	Were samples received at an appropriate temperature (4±2° C)?	X Yes □ No □ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	□ Yes X No
5	a) Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b) Were these reporting limits met?	X Yes □ No □ Yes X No □ NA
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	X Yes □ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	X Yes □ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Data of Known Quality."

ANALYTICAL REPORT

May 20, 2021

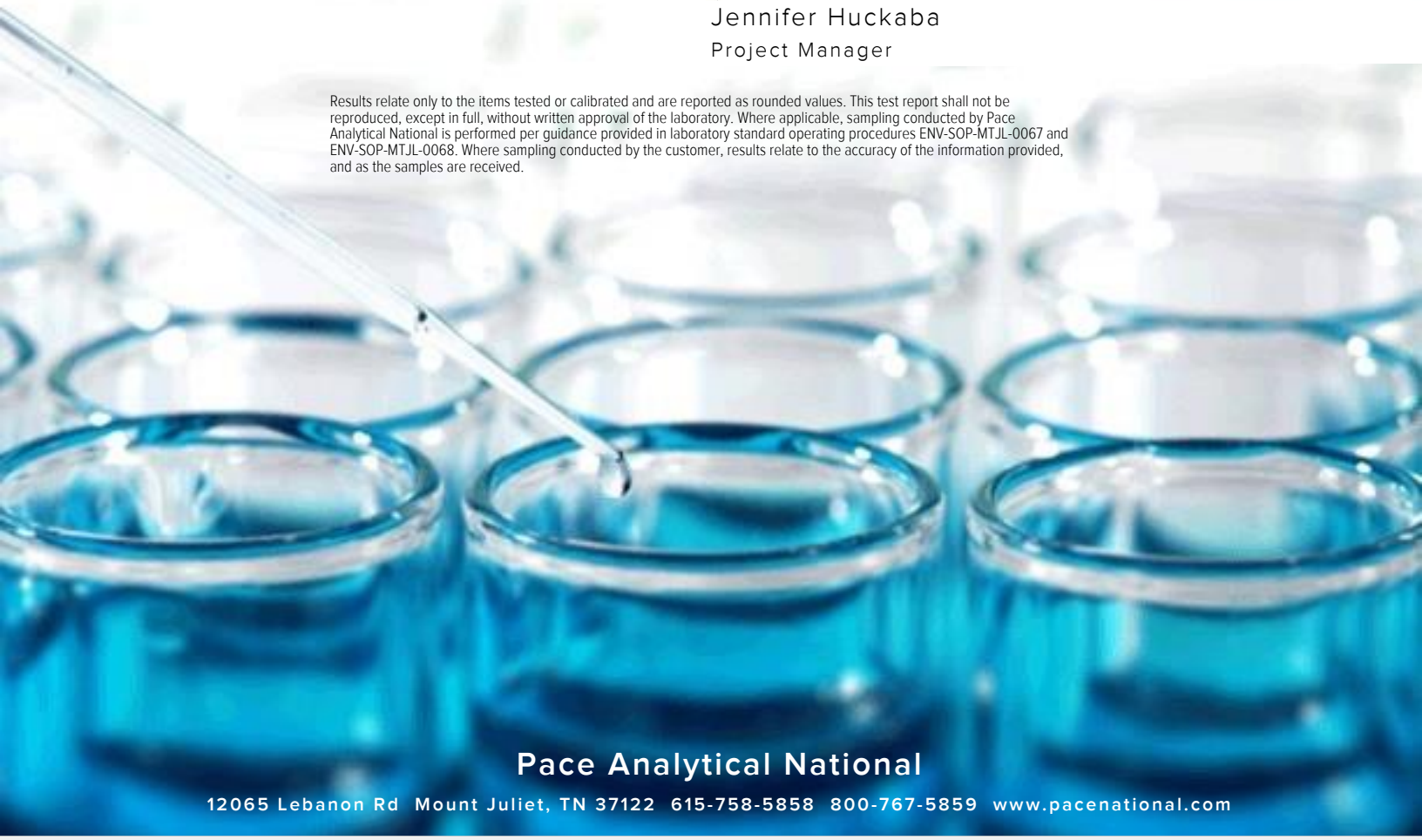
TTI Environmental, Inc. - NJ

Sample Delivery Group:	L1345179
Samples Received:	04/28/2021
Project Number:	20-763
Description:	CRA Reliable Tire
Site:	NJ
Report To:	Mr. Andy Basehoar 1253 North Church Street Moorestown, NJ 08057

Entire Report Reviewed By:

Jennifer Huckaba

Project Manager



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

AOC-1-29 @ 11.5-12.0 L1345179-01 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 08:25 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663188	1	05/04/21 10:36	05/04/21 10:42	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1662901	1	05/04/21 13:03	05/05/21 14:28	CAG	Mt. Juliet, TN

AOC-1-30 @ 11.5-12.0 L1345179-02 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 08:40 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663188	1	05/04/21 10:36	05/04/21 10:42	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1662901	1	05/04/21 13:03	05/05/21 14:42	CAG	Mt. Juliet, TN

AOC-1-31 @ 11.5-12.0 L1345179-03 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 08:48 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663188	1	05/04/21 10:36	05/04/21 10:42	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1662901	1	05/04/21 13:03	05/05/21 14:55	CAG	Mt. Juliet, TN

AOC-1-32 @ 12.5-13.0 L1345179-04 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 09:00 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663188	1	05/04/21 10:36	05/04/21 10:42	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1662901	1	05/04/21 13:03	05/05/21 15:08	CAG	Mt. Juliet, TN

AOC1-33 @ 12.0-12.5 L1345179-05 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 09:10 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663188	1	05/04/21 10:36	05/04/21 10:42	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1662901	1	05/04/21 13:03	05/05/21 15:22	CAG	Mt. Juliet, TN

AOC7-1 @ 11.0-11.5 L1345179-06 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 09:25 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663188	1	05/04/21 10:36	05/04/21 10:42	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG1661378	1	05/03/21 14:54	05/04/21 10:44	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662142	1	05/02/21 15:17	05/05/21 15:52	CCE	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663463	1	05/04/21 12:56	05/04/21 18:37	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663447	1	05/04/21 15:25	05/05/21 02:05	AAT	Mt. Juliet, TN

AOC6-1 @ 10.5-11.0 L1345179-07 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 09:38 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663188	1	05/04/21 10:36	05/04/21 10:42	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1662901	1	05/04/21 13:03	05/05/21 17:34	CAG	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663463	1	05/04/21 12:56	05/04/21 18:47	AMM	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

AOC6-2 @ 11.0-11.5 L1345179-08 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 09:45 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663188	1	05/04/21 10:36	05/04/21 10:42	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1662901	1	05/04/21 13:03	05/05/21 17:48	CAG	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663463	1	05/04/21 12:56	05/04/21 18:57	AMM	Mt. Juliet, TN

AOC6-3 @ 11.5-12.0 L1345179-09 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 09:52 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663188	1	05/04/21 10:36	05/04/21 10:42	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1662901	1	05/04/21 13:03	05/05/21 18:01	CAG	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663463	1	05/04/21 12:56	05/04/21 19:07	AMM	Mt. Juliet, TN

AOC6-4 @ 11.5-12.0 L1345179-10 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 10:02 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663189	1	05/04/21 10:24	05/04/21 10:34	KDW	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1662901	1	05/04/21 13:03	05/05/21 18:14	CAG	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663463	1	05/04/21 12:56	05/04/21 19:17	AMM	Mt. Juliet, TN

AOC7-2 @ 12.0-12.5 L1345179-11 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 10:35 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663189	1	05/04/21 10:24	05/04/21 10:34	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG1661378	1	05/03/21 14:54	05/04/21 10:46	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662149	1	05/02/21 15:03	05/03/21 16:13	EL	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663463	1	05/04/21 12:56	05/04/21 19:27	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663447	1	05/04/21 15:25	05/05/21 02:26	AAT	Mt. Juliet, TN

AOC8-1 @ 12.5-13.0 L1345179-12 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 10:45 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663189	1	05/04/21 10:24	05/04/21 10:34	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1665185	1	05/06/21 09:54	05/06/21 22:34	JER	Mt. Juliet, TN
Mercury by Method 7471B	WG1661378	1	05/03/21 14:54	05/04/21 10:49	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662149	1	05/02/21 15:03	05/03/21 16:16	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1665562	1	04/27/21 10:45	05/06/21 18:24	ACG	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1664182	1	05/05/21 13:14	05/05/21 20:40	CAG	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1663467	1	05/05/21 07:12	05/06/21 18:26	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663467	1	05/05/21 07:12	05/05/21 15:34	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663445	1	05/05/21 16:15	05/06/21 01:41	JNJ	Mt. Juliet, TN

AOC8-2 @ 11.5-12.0 L1345179-13 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 11:05 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663189	1	05/04/21 10:24	05/04/21 10:34	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1665185	1	05/06/21 09:54	05/06/21 22:37	JER	Mt. Juliet, TN
Mercury by Method 7471B	WG1661378	1	05/03/21 14:54	05/04/21 10:51	ABL	Mt. Juliet, TN

AOC8-2 @ 11.5-12.0 L1345179-13 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 11:05 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010D	WG1662149	1	05/02/21 15:03	05/03/21 15:32	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1665562	1	04/27/21 11:05	05/06/21 18:46	ACG	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1664182	1	05/05/21 13:14	05/05/21 20:53	CAG	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1663467	1	05/05/21 07:12	05/06/21 12:01	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663467	1	05/05/21 07:12	05/05/21 15:44	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663445	1	05/05/21 16:15	05/07/21 11:34	JNJ	Mt. Juliet, TN

AOC8-3 @ 13.5-14.0 L1345179-14 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 11:55 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663189	1	05/04/21 10:24	05/04/21 10:34	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1665185	1	05/06/21 09:54	05/06/21 22:38	JER	Mt. Juliet, TN
Mercury by Method 7471B	WG1661378	1	05/03/21 14:54	05/04/21 10:54	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662149	1	05/02/21 15:03	05/03/21 16:19	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1665562	1	04/27/21 11:55	05/06/21 19:08	ACG	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1664182	1	05/05/21 13:14	05/05/21 21:06	CAG	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1663467	1	05/05/21 07:12	05/06/21 12:16	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663467	1	05/05/21 07:12	05/05/21 15:54	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663445	1	05/05/21 16:15	05/07/21 11:55	JNJ	Mt. Juliet, TN

AOC8-4 @ 13.0-13.5 L1345179-15 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 12:04 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663189	1	05/04/21 10:24	05/04/21 10:34	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1665185	1	05/06/21 09:54	05/06/21 22:41	JER	Mt. Juliet, TN
Mercury by Method 7471B	WG1661378	1	05/03/21 14:54	05/04/21 11:02	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662149	1	05/02/21 15:03	05/03/21 16:22	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1665562	1	04/27/21 12:04	05/06/21 19:29	ACG	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1664182	1	05/05/21 13:14	05/05/21 21:19	CAG	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1663467	1	05/05/21 07:12	05/06/21 13:00	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663467	1	05/05/21 07:12	05/05/21 16:24	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663445	1	05/05/21 16:15	05/06/21 02:43	JNJ	Mt. Juliet, TN

AOC8-5 @ 13.5-14.0 L1345179-16 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 12:45 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663189	1	05/04/21 10:24	05/04/21 10:34	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1665185	1	05/06/21 09:54	05/06/21 22:43	JER	Mt. Juliet, TN
Mercury by Method 7471B	WG1661378	1	05/03/21 14:54	05/04/21 11:04	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662149	1	05/02/21 15:03	05/03/21 16:25	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1665562	1	04/27/21 12:45	05/06/21 19:52	ACG	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1664182	1	05/05/21 13:14	05/05/21 21:33	CAG	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1663467	1	05/05/21 07:12	05/06/21 13:15	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663467	1	05/05/21 07:12	05/05/21 16:34	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663445	1	05/05/21 16:15	05/06/21 03:03	JNJ	Mt. Juliet, TN

AOC8-6 @ 13.5-14.0 L1345179-17 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 12:55 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663189	1	05/04/21 10:24	05/04/21 10:34	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1665185	1	05/06/21 09:54	05/06/21 22:44	JER	Mt. Juliet, TN
Mercury by Method 7471B	WG1661378	1	05/03/21 14:54	05/04/21 11:07	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662149	1	05/02/21 15:03	05/03/21 16:33	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1665562	1	04/27/21 12:55	05/06/21 20:14	ACG	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1664182	1	05/05/21 13:14	05/05/21 21:46	CAG	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1663467	1	05/05/21 07:12	05/06/21 13:30	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663467	1	05/05/21 07:12	05/05/21 16:44	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663445	1	05/05/21 16:15	05/06/21 03:24	JNJ	Mt. Juliet, TN

AOC8-7 @ 13.0-13.5 L1345179-18 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 13:08 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663189	1	05/04/21 10:24	05/04/21 10:34	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1665185	1	05/06/21 09:54	05/06/21 22:45	JER	Mt. Juliet, TN
Mercury by Method 7471B	WG1661378	1	05/03/21 14:54	05/04/21 11:09	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662149	1	05/02/21 15:03	05/03/21 16:36	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666269	1	04/27/21 13:08	05/07/21 14:00	ADM	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1664182	1	05/05/21 13:14	05/05/21 21:59	CAG	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1663467	1	05/05/21 07:12	05/06/21 13:44	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663467	1	05/05/21 07:12	05/05/21 16:54	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663445	1	05/05/21 16:15	05/06/21 03:44	JNJ	Mt. Juliet, TN

BD-6 L1345179-19 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 00:00 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663189	1	05/04/21 10:24	05/04/21 10:34	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1665185	1	05/06/21 09:54	05/06/21 22:49	JER	Mt. Juliet, TN
Mercury by Method 7471B	WG1661378	1	05/03/21 14:54	05/04/21 11:12	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662149	1	05/02/21 15:03	05/03/21 16:39	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666269	1	04/27/21 00:00	05/07/21 14:22	ADM	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1664182	1	05/05/21 13:14	05/05/21 22:12	CAG	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1663467	1	05/05/21 07:12	05/06/21 13:59	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663467	1	05/05/21 07:12	05/05/21 17:04	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663445	1	05/05/21 16:15	05/06/21 05:48	JNJ	Mt. Juliet, TN

AOC10-1 @ 13.0-13.5 L1345179-20 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 10:55 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663192	1	05/03/21 11:53	05/03/21 12:03	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG1661378	1	05/03/21 14:54	05/04/21 11:14	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662149	1	05/02/21 15:03	05/03/21 16:42	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1670236	1	04/27/21 10:55	05/13/21 17:54	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663447	1	05/04/21 15:25	05/05/21 02:46	AAT	Mt. Juliet, TN

BD-5 L1345179-21 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 00:00 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663192	1	05/03/21 11:53	05/03/21 12:03	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG1661378	1	05/03/21 14:54	05/04/21 11:17	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662149	1	05/02/21 15:03	05/03/21 16:44	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1670236	1.63	04/27/21 00:00	05/13/21 18:15	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663447	1	05/04/21 15:25	05/05/21 03:06	AAT	Mt. Juliet, TN

TB L1345179-22 GW

Collected by: Alec Halbruner | Collected date/time: 04/27/21 00:00 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1663922	1	05/06/21 14:51	05/06/21 14:51	BMB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1669224	1	05/12/21 17:11	05/12/21 17:11	JAH	Mt. Juliet, TN

HISTFILL-1 L1345179-23 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 11:25 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1663192	1	05/03/21 11:53	05/03/21 12:03	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG1661378	1	05/03/21 14:54	05/04/21 11:19	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662149	1	05/02/21 15:03	05/03/21 16:47	EL	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663447	1	05/04/21 15:25	05/05/21 04:08	AAT	Mt. Juliet, TN

AOC8-8 @ 12.5-13.0 L1345179-24 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 13:30 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664008	1	05/05/21 07:53	05/05/21 08:18	JAV	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1665185	1	05/06/21 09:54	05/06/21 22:51	JER	Mt. Juliet, TN
Mercury by Method 7471B	WG1663943	1	05/04/21 11:51	05/04/21 19:37	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1664245	1	05/04/21 17:13	05/05/21 04:51	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666269	1	04/27/21 13:30	05/07/21 14:44	ADM	Mt. Juliet, TN
TPH by Method NJDEP EPH	WG1664182	1	05/05/21 13:14	05/05/21 22:26	CAG	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664100	1	05/04/21 16:51	05/05/21 20:21	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664100	1	05/04/21 16:51	05/05/21 18:14	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663445	1	05/05/21 16:18	05/06/21 04:05	JNJ	Mt. Juliet, TN

AOC10-2 @ 13.0-13.5 L1345179-25 Solid

Collected by: Alec Halbruner | Collected date/time: 04/27/21 11:40 | Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664008	1	05/05/21 07:53	05/05/21 08:18	JAV	Mt. Juliet, TN
Mercury by Method 7471B	WG1663943	1	05/04/21 11:51	05/04/21 19:06	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1664245	1	05/04/21 17:13	05/05/21 04:54	EL	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1670236	1	04/27/21 11:40	05/13/21 18:36	BMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1664488	1	05/05/21 17:33	05/06/21 00:15	AAT	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

EQ-4271 L1345179-26 GW

Collected by: Alec Halbruner
Collected date/time: 04/27/21 13:40
Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500CN E-2011	WG1663035	1	05/04/21 22:24	05/05/21 12:21	KEG	Mt. Juliet, TN
Mercury by Method 7470A	WG1663739	1	05/04/21 18:50	05/05/21 12:14	BMF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1666333	1	05/08/21 17:58	05/09/21 12:51	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1664828	1	05/05/21 14:38	05/05/21 14:38	JAH	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1663494	1	05/03/21 23:04	05/05/21 13:12	ADF	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664952	1.11	05/07/21 00:04	05/07/21 12:13	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663483	1	05/04/21 20:56	05/05/21 16:26	ADF	Mt. Juliet, TN

FB-4271 L1345179-27 GW

Collected by: Alec Halbruner
Collected date/time: 04/27/21 15:00
Received date/time: 04/28/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500CN E-2011	WG1663035	1	05/04/21 22:24	05/05/21 12:22	KEG	Mt. Juliet, TN
Mercury by Method 7470A	WG1663739	1	05/04/21 18:50	05/05/21 12:16	BMF	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1666333	1	05/08/21 17:58	05/09/21 13:21	LAT	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1664828	1	05/05/21 15:18	05/05/21 15:18	BMB	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1663494	1	05/03/21 23:04	05/05/21 13:27	HMH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663494	1	05/03/21 23:04	05/04/21 11:35	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663483	1	05/04/21 20:56	05/05/21 16:50	ADF	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jennifer Huckaba
Project Manager

Project Comments

1A. Holding times for VOCs on samples L1345179-20, -21, and -25 are reporting from an out of hold run, due to lab inadvertantly running method 8260B in holding time rather than 8260D. 8260D was ran out of hold and all results confirm (past holding time) the same as the in-hold 8260B data with the exceptions of Ethylbenzene, Isopropylbenzene and Xylenes. In the in-hold run, those compounds have slight detections above the RDL for -20. For L1345179-21, Ethylbenzene was slightly above the RDL, but Isopropylbenzene and Xylene were just J value detections. For sample -25, all compounds were non-detect in the in-hold and past holding time runs.

5b. Soil reporting limits for Pesticides are above the soil IGWSRS limits for several compounds (Alpha BHC, Beta BHC, Gamma BHC, Chlordane & Dieldrin).

5b. Water reporting limits compared to NJ GW High PQL/GWQ have some compounds under method 8270 above the limits (Benzo(a)Anthracene, Indeno(1,2,3-CD)Pyrene, Hexachlorobenzene, 4,6-Dinitro-2-methylphenol and Pentachlorophenol) and 8260 1,2-Dibromo-3-Chloropropane (DBCP) and 1,2-Dibromomethane (EDB). These are the blanks and the PAH SIM method and 8011 method were inadvertantly omitted on these samples when logged in.

Sample Delivery Group (SDG) Narrative

The following samples were prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

Batch	Method	Lab Sample ID
WG1670236	8260D	L1345179-20, 21, 25

Analyzed from headspace vial.

Batch	Method	Lab Sample ID
WG1669224	8260D	L1345179-22

Wet Chemistry by Method 4500CN E-2011

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG1663035	(MS) R3650621-3, (MSD) R3650621-6	Cyanide

Metals (ICP) by Method 6010D

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG1662149	Barium	L1345179-20
WG1662149	Manganese	L1345179-17, 20, 21
WG1662149	Selenium	L1345179-12, 18, 23
WG1664245	Sodium	L1345179-24, 25

Metals (ICP) by Method 6010D

The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG1662142	(MS) R3651146-3, (MSD) R3651146-4	Aluminum and Iron
WG1662149	(MS) R3649911-5, (MSD) R3649911-6, L1345179-13	Iron
WG1664245	(MS) R3650437-5, (MSD) R3650437-6	Aluminum, Calcium and Iron

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG1662149	(MSD) R3649911-6, L1345179-13	Aluminum

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG1664245	(MS) R3650437-5, (MSD) R3650437-6	Antimony, Barium, Magnesium, Manganese and Potassium

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG1662149	(MSD) R3649911-6, L1345179-13	Iron
WG1664245	(MSD) R3650437-6	Aluminum and Iron

The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

Batch	Lab Sample ID	Analytes
WG1662149	L1345179-13	Iron

Metals (ICPMS) by Method 6020B

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG1666333	Potassium	L1345179-26, 27

The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG1666333	(MS) R3652112-4, (MSD) R3652112-5	Calcium, Magnesium and Manganese

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG1665562	(LCS) R3651203-1, (LCSD) R3651203-2, L1345179-12, 13, 14, 15, 16, 17	Acetone

Volatile Organic Compounds (GC/MS) by Method 8260D

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG1663922	L1345179-22	1,2,3-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, Bromomethane, Carbon tetrachloride and Naphthalene

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG1664828	(LCSD) R3650680-2, L1345179-26, 27	Chloroethane and Tetrachloroethene

TPH by Method NJDEP EPH

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG1662901	(MS) R3651049-4, L1345179-10	EPH Screen

Pesticides (GC) by Method 8081B

RPD between the primary and confirmatory analysis exceeded 40%

Batch	Lab Sample ID	Analytes
WG1664100	(MSD) R3651238-2	Methoxychlor

Surrogate recovery limits have been exceeded; values are outside lower control limits.

Batch	Analyte	Lab Sample ID
WG1663494	Decachlorobiphenyl	L1345179-26

Polychlorinated Biphenyls (GC) by Method 8082 A

RPD between the primary and confirmatory analysis exceeded 40%

Batch	Lab Sample ID	Analytes
WG1663463	(MS) R3650592-3	PCB 1016
WG1663463	(MSD) R3650592-4	PCB 1016
WG1663494	(LCS) R3650161-2	PCB 1260
WG1664100	(MS) R3650682-3	PCB 1016
WG1664100	(MSD) R3650682-4	PCB 1016

Surrogate recovery limits have been exceeded; values are outside upper control limits.

Batch	Analyte	Lab Sample ID
WG1663463	Decachlorobiphenyl	L1345179-07

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG1663445	L1345179-13	Benzylbutyl phthalate, Bis(2-ethylhexyl)phthalate, Di-n-octyl phthalate and n-Nitrosodi-n-propylamine
WG1663445	L1345179-14	Benzylbutyl phthalate, Bis(2-ethylhexyl)phthalate, Di-n-octyl phthalate and n-Nitrosodi-n-propylamine

Surrogate recovery limits have been exceeded; values are outside upper control limits.

Batch	Analyte	Lab Sample ID
WG1663447	p-Terphenyl-d14	L1345179-11

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG1663445	(LCS) R3651100-1, L1345179-12, 13, 14, 15, 16, 17, 18, 19, 24	30 analytes
WG1663483	(LCS) R3651257-1, L1345179-26, 27	18 analytes

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG1663445	(MS) R3651100-3, (MSD) R3651100-4	38 analytes
WG1663447	(MS) R3650489-5, (MSD) R3650489-6	16 analytes
WG1663483	(MS) R3651257-3, (MS) R3651546-2, (MSD) R3651257-4, (MSD) R3651546-3	24 analytes

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.8		1	05/04/2021 10:42	WG1663188

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	17.0	J	7.99	22.5	1	05/05/2021 14:28	WG1662901
(S) o-Terphenyl	*67.4*		*6.67*	*40.0-140*		*05/05/2021 14:28*	WG1662901

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	05/04/2021 10:42	WG1663188

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		8.22	23.2	1	05/05/2021 14:42	WG1662901
(S) o-Terphenyl	*74.4*		*6.67*	*40.0-140*		*05/05/2021 14:42*	WG1662901

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.6		1	05/04/2021 10:42	WG1663188

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		8.11	22.8	1	05/05/2021 14:55	WG1662901
(S) o-Terphenyl	*72.9*		*6.67*	*40.0-140*		*05/05/2021 14:55*	WG1662901

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.7		1	05/04/2021 10:42	WG1663188

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		8.01	22.6	1	05/05/2021 15:08	WG1662901
(S) o-Terphenyl	*74.2*		*6.67*	*40.0-140*		*05/05/2021 15:08*	WG1662901

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.5		1	05/04/2021 10:42	WG1663188

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	U		7.93	22.3	1	05/05/2021 15:22	WG1662901
(S) o-Terphenyl	*75.4*		*6.67*	*40.0-140*		*05/05/2021 15:22*	WG1662901

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.2		1	05/04/2021 10:42	WG1663188

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0216	0.0481	1	05/04/2021 10:44	WG1661378

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	4550		7.30	12.0	1	05/05/2021 15:52	WG1662142
Antimony	U		0.654	2.40	1	05/05/2021 15:52	WG1662142
Arsenic	U		0.622	2.40	1	05/05/2021 15:52	WG1662142
Barium	22.4		0.102	0.601	1	05/05/2021 15:52	WG1662142
Beryllium	0.214	J	0.0378	0.240	1	05/05/2021 15:52	WG1662142
Cadmium	U		0.0566	0.601	1	05/05/2021 15:52	WG1662142
Calcium	511		12.7	120	1	05/05/2021 15:52	WG1662142
Chromium	9.32		0.160	1.20	1	05/05/2021 15:52	WG1662142
Cobalt	1.09	J	0.0974	1.20	1	05/05/2021 15:52	WG1662142
Copper	1.88	J	0.481	2.40	1	05/05/2021 15:52	WG1662142
Iron	5360		2.69	12.0	1	05/05/2021 15:52	WG1662142
Lead	2.81		0.250	0.601	1	05/05/2021 15:52	WG1662142
Magnesium	657		8.87	120	1	05/05/2021 15:52	WG1662142
Manganese	28.2		0.160	1.20	1	05/05/2021 15:52	WG1662142
Nickel	2.98		0.159	2.40	1	05/05/2021 15:52	WG1662142
Potassium	665		25.1	120	1	05/05/2021 15:52	WG1662142
Selenium	U		0.918	2.40	1	05/05/2021 15:52	WG1662142
Silver	U		0.153	1.20	1	05/05/2021 15:52	WG1662142
Sodium	U		49.5	120	1	05/05/2021 15:52	WG1662142
Thallium	U		0.473	2.40	1	05/05/2021 15:52	WG1662142
Vanadium	11.7		0.608	2.40	1	05/05/2021 15:52	WG1662142
Zinc	14.4		1.00	6.01	1	05/05/2021 15:52	WG1662142

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0142	0.0408	1	05/04/2021 18:37	WG1663463
PCB 1221	U		0.0142	0.0408	1	05/04/2021 18:37	WG1663463
PCB 1232	U		0.0142	0.0408	1	05/04/2021 18:37	WG1663463
PCB 1242	U		0.0142	0.0408	1	05/04/2021 18:37	WG1663463
PCB 1248	U		0.00887	0.0204	1	05/04/2021 18:37	WG1663463
PCB 1254	U		0.00887	0.0204	1	05/04/2021 18:37	WG1663463
PCB 1260	U		0.00887	0.0204	1	05/04/2021 18:37	WG1663463
Total PCBs	U		0.00887	0.0204	1	05/04/2021 18:37	WG1663463
(S) Decachlorobiphenyl	*78.6*			*30.0-150*		*05/04/2021 18:37*	WG1663463
(S) Tetrachloro-m-xylene	*83.5*			*30.0-150*		*05/04/2021 18:37*	WG1663463

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00712	0.0400	1	05/05/2021 02:05	WG1663447
Acenaphthene	U		0.00648	0.0400	1	05/05/2021 02:05	WG1663447
Acenaphthylene	U		0.00563	0.0400	1	05/05/2021 02:05	WG1663447
Benzo(a)anthracene	U		0.00705	0.0400	1	05/05/2021 02:05	WG1663447

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	U		0.00744	0.0400	1	05/05/2021 02:05	WG1663447
Benzo(b)fluoranthene	U		0.00746	0.0400	1	05/05/2021 02:05	WG1663447
Benzo(g,h,i)perylene	U		0.00732	0.0400	1	05/05/2021 02:05	WG1663447
Benzo(k)fluoranthene	U		0.00711	0.0400	1	05/05/2021 02:05	WG1663447
Chrysene	U		0.00795	0.0400	1	05/05/2021 02:05	WG1663447
Dibenz(a,h)anthracene	U		0.0111	0.0400	1	05/05/2021 02:05	WG1663447
Fluoranthene	U		0.00722	0.0400	1	05/05/2021 02:05	WG1663447
Fluorene	U		0.00651	0.0400	1	05/05/2021 02:05	WG1663447
Indeno(1,2,3-cd)pyrene	U		0.0113	0.0400	1	05/05/2021 02:05	WG1663447
Naphthalene	U		0.0100	0.0400	1	05/05/2021 02:05	WG1663447
Phenanthrene	U		0.00794	0.0400	1	05/05/2021 02:05	WG1663447
Pyrene	U		0.00779	0.0400	1	05/05/2021 02:05	WG1663447
(S) Nitrobenzene-d5	*74.4*			*31.0-146*		*05/05/2021 02:05*	WG1663447
(S) 2-Fluorobiphenyl	*79.5*			*31.0-130*		*05/05/2021 02:05*	WG1663447
(S) p-Terphenyl-d14	*102*			*20.0-127*		*05/05/2021 02:05*	WG1663447

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	05/04/2021 10:42	WG1663188

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	10.9	J	8.13	22.9	1	05/05/2021 17:34	WG1662901
(S) o-Terphenyl	*77.1*		*6.67*	*40.0-140*		*05/05/2021 17:34*	WG1662901

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0135	0.0390	1	05/04/2021 18:47	WG1663463
PCB 1221	U		0.0135	0.0390	1	05/04/2021 18:47	WG1663463
PCB 1232	U		0.0135	0.0390	1	05/04/2021 18:47	WG1663463
PCB 1242	U		0.0135	0.0390	1	05/04/2021 18:47	WG1663463
PCB 1248	U		0.00845	0.0195	1	05/04/2021 18:47	WG1663463
PCB 1254	U		0.00845	0.0195	1	05/04/2021 18:47	WG1663463
PCB 1260	U		0.00845	0.0195	1	05/04/2021 18:47	WG1663463
Total PCBs	U		0.00845	0.0195	1	05/04/2021 18:47	WG1663463
(S) Decachlorobiphenyl	*308*	J1		*30.0-150*		*05/04/2021 18:47*	WG1663463
(S) Tetrachloro-m-xylene	*86.4*			*30.0-150*		*05/04/2021 18:47*	WG1663463

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.0		1	05/04/2021 10:42	WG1663188

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	15.6	J	8.45	23.8	1	05/05/2021 17:48	WG1662901
(S) o-Terphenyl	*61.5*		*6.67*	*40.0-140*		*05/05/2021 17:48*	WG1662901

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0140	0.0405	1	05/04/2021 18:57	WG1663463
PCB 1221	U		0.0140	0.0405	1	05/04/2021 18:57	WG1663463
PCB 1232	U		0.0140	0.0405	1	05/04/2021 18:57	WG1663463
PCB 1242	U		0.0140	0.0405	1	05/04/2021 18:57	WG1663463
PCB 1248	U		0.00878	0.0202	1	05/04/2021 18:57	WG1663463
PCB 1254	U		0.00878	0.0202	1	05/04/2021 18:57	WG1663463
PCB 1260	U		0.00878	0.0202	1	05/04/2021 18:57	WG1663463
Total PCBs	U		0.00878	0.0202	1	05/04/2021 18:57	WG1663463
(S) Decachlorobiphenyl	*92.5*			*30.0-150*		*05/04/2021 18:57*	WG1663463
(S) Tetrachloro-m-xylene	*79.0*			*30.0-150*		*05/04/2021 18:57*	WG1663463

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.5		1	05/04/2021 10:42	WG1663188

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	11.1	J	8.50	23.9	1	05/05/2021 18:01	WG1662901
(S) o-Terphenyl	*68.4*		*6.67*	*40.0-140*		*05/05/2021 18:01*	WG1662901

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0141	0.0407	1	05/04/2021 19:07	WG1663463
PCB 1221	U		0.0141	0.0407	1	05/04/2021 19:07	WG1663463
PCB 1232	U		0.0141	0.0407	1	05/04/2021 19:07	WG1663463
PCB 1242	U		0.0141	0.0407	1	05/04/2021 19:07	WG1663463
PCB 1248	U		0.00884	0.0204	1	05/04/2021 19:07	WG1663463
PCB 1254	U		0.00884	0.0204	1	05/04/2021 19:07	WG1663463
PCB 1260	U		0.00884	0.0204	1	05/04/2021 19:07	WG1663463
Total PCBs	U		0.00884	0.0204	1	05/04/2021 19:07	WG1663463
(S) Decachlorobiphenyl	*116*			*30.0-150*		*05/04/2021 19:07*	WG1663463
(S) Tetrachloro-m-xylene	*86.7*			*30.0-150*		*05/04/2021 19:07*	WG1663463

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.0		1	05/04/2021 10:34	WG1663189

TPH by Method NJDEP EPH

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
EPH Screen	128	J6	8.35	23.5	1	05/05/2021 18:14	WG1662901
(S) o-Terphenyl	*65.6*		*6.67*	*40.0-140*		*05/05/2021 18:14*	WG1662901

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0139	0.0400	1	05/04/2021 19:17	WG1663463
PCB 1221	U		0.0139	0.0400	1	05/04/2021 19:17	WG1663463
PCB 1232	U		0.0139	0.0400	1	05/04/2021 19:17	WG1663463
PCB 1242	U		0.0139	0.0400	1	05/04/2021 19:17	WG1663463
PCB 1248	U		0.00868	0.0200	1	05/04/2021 19:17	WG1663463
PCB 1254	U		0.00868	0.0200	1	05/04/2021 19:17	WG1663463
PCB 1260	U		0.00868	0.0200	1	05/04/2021 19:17	WG1663463
Total PCBs	U		0.00868	0.0200	1	05/04/2021 19:17	WG1663463
(S) Decachlorobiphenyl	*101*			*30.0-150*		*05/04/2021 19:17*	WG1663463
(S) Tetrachloro-m-xylene	*83.3*			*30.0-150*		*05/04/2021 19:17*	WG1663463

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.6		1	05/04/2021 10:34	WG1663189

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0215	0.0478	1	05/04/2021 10:46	WG1661378

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	1100		7.27	12.0	1	05/03/2021 16:13	WG1662149
Antimony	U		0.651	2.39	1	05/03/2021 16:13	WG1662149
Arsenic	0.983	J	0.620	2.39	1	05/03/2021 16:13	WG1662149
Barium	5.76		0.102	0.598	1	05/03/2021 16:13	WG1662149
Beryllium	0.288		0.0377	0.239	1	05/03/2021 16:13	WG1662149
Cadmium	0.232	J	0.0563	0.598	1	05/03/2021 16:13	WG1662149
Calcium	106	J	12.7	120	1	05/03/2021 16:13	WG1662149
Chromium	3.79		0.159	1.20	1	05/03/2021 16:13	WG1662149
Cobalt	0.544	J	0.0970	1.20	1	05/03/2021 16:13	WG1662149
Copper	1.36	J	0.478	2.39	1	05/03/2021 16:13	WG1662149
Iron	3980		2.68	12.0	1	05/03/2021 16:13	WG1662149
Lead	1.22		0.249	0.598	1	05/03/2021 16:13	WG1662149
Magnesium	107	J	8.83	120	1	05/03/2021 16:13	WG1662149
Manganese	5.81		0.159	1.20	1	05/03/2021 16:13	WG1662149
Nickel	0.998	J	0.158	2.39	1	05/03/2021 16:13	WG1662149
Potassium	213		25.0	120	1	05/03/2021 16:13	WG1662149
Selenium	U		0.914	2.39	1	05/03/2021 16:13	WG1662149
Silver	U		0.152	1.20	1	05/03/2021 16:13	WG1662149
Sodium	U		49.3	120	1	05/03/2021 16:13	WG1662149
Thallium	U		0.471	2.39	1	05/03/2021 16:13	WG1662149
Vanadium	4.43		0.605	2.39	1	05/03/2021 16:13	WG1662149
Zinc	3.59	J	0.995	5.98	1	05/03/2021 16:13	WG1662149

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0141	0.0407	1	05/04/2021 19:27	WG1663463
PCB 1221	U		0.0141	0.0407	1	05/04/2021 19:27	WG1663463
PCB 1232	U		0.0141	0.0407	1	05/04/2021 19:27	WG1663463
PCB 1242	U		0.0141	0.0407	1	05/04/2021 19:27	WG1663463
PCB 1248	U		0.00883	0.0203	1	05/04/2021 19:27	WG1663463
PCB 1254	U		0.00883	0.0203	1	05/04/2021 19:27	WG1663463
PCB 1260	U		0.00883	0.0203	1	05/04/2021 19:27	WG1663463
Total PCBs	U		0.00883	0.0203	1	05/04/2021 19:27	WG1663463
(S) Decachlorobiphenyl	*99.2*			*30.0-150*		*05/04/2021 19:27*	WG1663463
(S) Tetrachloro-m-xylene	*93.7*			*30.0-150*		*05/04/2021 19:27*	WG1663463

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00709	0.0398	1	05/05/2021 02:26	WG1663447
Acenaphthene	U		0.00645	0.0398	1	05/05/2021 02:26	WG1663447
Acenaphthylene	U		0.00561	0.0398	1	05/05/2021 02:26	WG1663447
Benzo(a)anthracene	U		0.00702	0.0398	1	05/05/2021 02:26	WG1663447

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	U		0.00740	0.0398	1	05/05/2021 02:26	WG1663447
Benzo(b)fluoranthene	U		0.00743	0.0398	1	05/05/2021 02:26	WG1663447
Benzo(g,h,i)perylene	U		0.00728	0.0398	1	05/05/2021 02:26	WG1663447
Benzo(k)fluoranthene	U		0.00708	0.0398	1	05/05/2021 02:26	WG1663447
Chrysene	U		0.00792	0.0398	1	05/05/2021 02:26	WG1663447
Dibenz(a,h)anthracene	U		0.0110	0.0398	1	05/05/2021 02:26	WG1663447
Fluoranthene	U		0.00719	0.0398	1	05/05/2021 02:26	WG1663447
Fluorene	U		0.00648	0.0398	1	05/05/2021 02:26	WG1663447
Indeno(1,2,3-cd)pyrene	U		0.0113	0.0398	1	05/05/2021 02:26	WG1663447
Naphthalene	U		0.0100	0.0398	1	05/05/2021 02:26	WG1663447
Phenanthrene	U		0.00791	0.0398	1	05/05/2021 02:26	WG1663447
Pyrene	U		0.00775	0.0398	1	05/05/2021 02:26	WG1663447
(S) Nitrobenzene-d5	*90.3*			*31.0-146*		*05/05/2021 02:26*	WG1663447
(S) 2-Fluorobiphenyl	*95.3*			*31.0-130*		*05/05/2021 02:26*	WG1663447
(S) p-Terphenyl-d14	*130*	J1		*20.0-127*		*05/05/2021 02:26*	WG1663447

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.5		1	05/04/2021 10:34	WG1663189

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0768	0.262	1	05/06/2021 22:34	WG1665185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0189	0.0419	1	05/04/2021 10:49	WG1661378

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	2630		6.37	10.5	1	05/03/2021 16:16	WG1662149
Antimony	U		0.570	2.10	1	05/03/2021 16:16	WG1662149
Arsenic	2.58		0.543	2.10	1	05/03/2021 16:16	WG1662149
Barium	6.32		0.0893	0.524	1	05/03/2021 16:16	WG1662149
Beryllium	0.340		0.0330	0.210	1	05/03/2021 16:16	WG1662149
Cadmium	0.205	J	0.0493	0.524	1	05/03/2021 16:16	WG1662149
Calcium	166		11.1	105	1	05/03/2021 16:16	WG1662149
Chromium	7.83		0.139	1.05	1	05/03/2021 16:16	WG1662149
Cobalt	1.41		0.0850	1.05	1	05/03/2021 16:16	WG1662149
Copper	3.11		0.419	2.10	1	05/03/2021 16:16	WG1662149
Iron	6870		2.35	10.5	1	05/03/2021 16:16	WG1662149
Lead	2.53		0.218	0.524	1	05/03/2021 16:16	WG1662149
Magnesium	497		7.73	105	1	05/03/2021 16:16	WG1662149
Manganese	15.1		0.139	1.05	1	05/03/2021 16:16	WG1662149
Nickel	2.76		0.138	2.10	1	05/03/2021 16:16	WG1662149
Potassium	666		21.9	105	1	05/03/2021 16:16	WG1662149
Selenium	0.949	B J	0.800	2.10	1	05/03/2021 16:16	WG1662149
Silver	U		0.133	1.05	1	05/03/2021 16:16	WG1662149
Sodium	U		43.2	105	1	05/03/2021 16:16	WG1662149
Thallium	0.502	J	0.413	2.10	1	05/03/2021 16:16	WG1662149
Vanadium	11.3		0.530	2.10	1	05/03/2021 16:16	WG1662149
Zinc	10.7		0.872	5.24	1	05/03/2021 16:16	WG1662149

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0217	0.0524	1	05/06/2021 18:24	WG1665562
Benzene	U		0.000393	0.00105	1	05/06/2021 18:24	WG1665562
Bromochloromethane	U		0.000351	0.00105	1	05/06/2021 18:24	WG1665562
Bromodichloromethane	U		0.000760	0.00105	1	05/06/2021 18:24	WG1665562
Bromoform	U		0.000444	0.00105	1	05/06/2021 18:24	WG1665562
Bromomethane	U		0.00123	0.00524	1	05/06/2021 18:24	WG1665562
Carbon disulfide	U		0.000733	0.00105	1	05/06/2021 18:24	WG1665562
Carbon tetrachloride	U		0.000260	0.00105	1	05/06/2021 18:24	WG1665562
Chlorobenzene	U		0.000201	0.00105	1	05/06/2021 18:24	WG1665562
Chlorodibromomethane	U		0.000235	0.00105	1	05/06/2021 18:24	WG1665562
Chloroethane	U		0.00105	0.00524	1	05/06/2021 18:24	WG1665562
Chloroform	U		0.00108	0.00524	1	05/06/2021 18:24	WG1665562
Chloromethane	U		0.000681	0.00262	1	05/06/2021 18:24	WG1665562

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000281	0.00105	1	05/06/2021 18:24	WG1665562
1,2-Dibromo-3-Chloropropane	U		0.00199	0.00524	1	05/06/2021 18:24	WG1665562
1,2-Dibromoethane	U		0.000262	0.00105	1	05/06/2021 18:24	WG1665562
Dichlorodifluoromethane	U		0.000301	0.00524	1	05/06/2021 18:24	WG1665562
1,1-Dichloroethane	U		0.000281	0.00105	1	05/06/2021 18:24	WG1665562
1,2-Dichloroethane	U		0.000471	0.00105	1	05/06/2021 18:24	WG1665562
1,2-Dichlorobenzene	U		0.000445	0.00105	1	05/06/2021 18:24	WG1665562
1,3-Dichlorobenzene	U		0.000629	0.00105	1	05/06/2021 18:24	WG1665562
1,4-Dichlorobenzene	U		0.000870	0.00105	1	05/06/2021 18:24	WG1665562
1,1-Dichloroethene	U		0.000372	0.00105	1	05/06/2021 18:24	WG1665562
cis-1,2-Dichloroethene	U		0.000498	0.00105	1	05/06/2021 18:24	WG1665562
trans-1,2-Dichloroethene	U		0.000524	0.00105	1	05/06/2021 18:24	WG1665562
1,2-Dichloropropane	U		0.000172	0.00105	1	05/06/2021 18:24	WG1665562
cis-1,3-Dichloropropene	U		0.000445	0.00105	1	05/06/2021 18:24	WG1665562
trans-1,3-Dichloropropene	U		0.000707	0.00105	1	05/06/2021 18:24	WG1665562
Ethylbenzene	U		0.000314	0.00105	1	05/06/2021 18:24	WG1665562
2-Hexanone	U		0.00188	0.0105	1	05/06/2021 18:24	WG1665562
Isopropylbenzene	U		0.000445	0.00105	1	05/06/2021 18:24	WG1665562
2-Butanone (MEK)	U		0.00490	0.0105	1	05/06/2021 18:24	WG1665562
Methyl Acetate	U		0.00314	0.0210	1	05/06/2021 18:24	WG1665562
Methyl Cyclohexane	U		0.000812	0.00105	1	05/06/2021 18:24	WG1665562
Methylene Chloride	U		0.00105	0.00524	1	05/06/2021 18:24	WG1665562
4-Methyl-2-pentanone (MIBK)	U		0.000995	0.0105	1	05/06/2021 18:24	WG1665562
Methyl tert-butyl ether	U		0.000367	0.00105	1	05/06/2021 18:24	WG1665562
Styrene	U		0.000234	0.00105	1	05/06/2021 18:24	WG1665562
1,1,2,2-Tetrachloroethane	U		0.000242	0.00105	1	05/06/2021 18:24	WG1665562
Tetrachloroethene	U		0.000340	0.00105	1	05/06/2021 18:24	WG1665562
Toluene	U		0.00129	0.00524	1	05/06/2021 18:24	WG1665562
1,2,3-Trichlorobenzene	U		0.000321	0.00105	1	05/06/2021 18:24	WG1665562
1,2,4-Trichlorobenzene	U		0.000406	0.00105	1	05/06/2021 18:24	WG1665562
1,1,1-Trichloroethane	U		0.000388	0.00105	1	05/06/2021 18:24	WG1665562
1,1,2-Trichloroethane	U		0.000445	0.00105	1	05/06/2021 18:24	WG1665562
Trichloroethene	U		0.000210	0.00105	1	05/06/2021 18:24	WG1665562
Trichlorofluoromethane	U		0.000373	0.00524	1	05/06/2021 18:24	WG1665562
1,1,2-Trichlorotrifluoroethane	U		0.000446	0.00105	1	05/06/2021 18:24	WG1665562
Vinyl chloride	U		0.000237	0.00105	1	05/06/2021 18:24	WG1665562
Xylenes, Total	U		0.000524	0.00314	1	05/06/2021 18:24	WG1665562
(S) Toluene-d8	*108*			*75.0-131*		*05/06/2021 18:24*	WG1665562
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/06/2021 18:24*	WG1665562
(S) 1,2-Dichloroethane-d4	*130*			*70.0-130*		*05/06/2021 18:24*	WG1665562

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/06/2021 18:24	WG1665562		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

TPH by Method NJDEP EPH

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
EPH Screen	U		7.44	21.0	1	05/05/2021 20:40	WG1664182
(S) o-Terphenyl	*80.9*		*6.67*	*40.0-140*		*05/05/2021 20:40*	WG1664182

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00394	0.0210	1	05/06/2021 18:26	WG1663467
Alpha BHC	U		0.00386	0.0210	1	05/06/2021 18:26	WG1663467
Beta BHC	U		0.00397	0.0210	1	05/06/2021 18:26	WG1663467
Delta BHC	U		0.00362	0.0210	1	05/06/2021 18:26	WG1663467
Gamma BHC	U		0.00360	0.0210	1	05/06/2021 18:26	WG1663467
Chlordane	U		0.108	0.314	1	05/06/2021 18:26	WG1663467
4,4-DDD	U		0.00388	0.0210	1	05/06/2021 18:26	WG1663467
4,4-DDE	U		0.00383	0.0210	1	05/06/2021 18:26	WG1663467
4,4-DDT	U		0.00657	0.0210	1	05/06/2021 18:26	WG1663467
Dieldrin	U		0.00360	0.0210	1	05/06/2021 18:26	WG1663467
Endosulfan I	U		0.00380	0.0210	1	05/06/2021 18:26	WG1663467
Endosulfan II	U		0.00351	0.0210	1	05/06/2021 18:26	WG1663467
Endosulfan sulfate	U		0.00381	0.0210	1	05/06/2021 18:26	WG1663467
Endrin	U		0.00367	0.0210	1	05/06/2021 18:26	WG1663467
Endrin aldehyde	U		0.00355	0.0210	1	05/06/2021 18:26	WG1663467
Endrin ketone	U		0.00745	0.0210	1	05/06/2021 18:26	WG1663467
Hexachlorobenzene	U		0.00362	0.0210	1	05/06/2021 18:26	WG1663467
Heptachlor	U		0.00448	0.0210	1	05/06/2021 18:26	WG1663467
Heptachlor epoxide	U		0.00355	0.0210	1	05/06/2021 18:26	WG1663467
Methoxychlor	U		0.00507	0.0210	1	05/06/2021 18:26	WG1663467
Toxaphene	U		0.130	0.419	1	05/06/2021 18:26	WG1663467
(S) Decachlorobiphenyl	*106*			*30.0-150*		*05/06/2021 18:26*	WG1663467
(S) Tetrachloro-m-xylene	*95.9*			*30.0-150*		*05/06/2021 18:26*	WG1663467

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0124	0.0356	1	05/05/2021 15:34	WG1663467
PCB 1221	U		0.0124	0.0356	1	05/05/2021 15:34	WG1663467
PCB 1232	U		0.0124	0.0356	1	05/05/2021 15:34	WG1663467
PCB 1242	U		0.0124	0.0356	1	05/05/2021 15:34	WG1663467
PCB 1248	U		0.00773	0.0178	1	05/05/2021 15:34	WG1663467
PCB 1254	U		0.00773	0.0178	1	05/05/2021 15:34	WG1663467
PCB 1260	U		0.00773	0.0178	1	05/05/2021 15:34	WG1663467
Total PCBs	U		0.00773	0.0178	1	05/05/2021 15:34	WG1663467
(S) Decachlorobiphenyl	*94.8*			*30.0-150*		*05/05/2021 15:34*	WG1663467
(S) Tetrachloro-m-xylene	*93.3*			*30.0-150*		*05/05/2021 15:34*	WG1663467

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00565	0.0349	1	05/06/2021 01:41	WG1663445
Acenaphthylene	U	J4	0.00491	0.0349	1	05/06/2021 01:41	WG1663445
Acetophenone	U		0.0109	0.349	1	05/06/2021 01:41	WG1663445
Anthracene	U	J4	0.00621	0.0349	1	05/06/2021 01:41	WG1663445
Atrazine	U		0.0120	0.349	1	05/06/2021 01:41	WG1663445
Benzaldehyde	U		0.0185	0.349	1	05/06/2021 01:41	WG1663445
Benzo(a)anthracene	U		0.00615	0.0349	1	05/06/2021 01:41	WG1663445
Benzo(b)fluoranthene	U		0.00651	0.0349	1	05/06/2021 01:41	WG1663445
Benzo(k)fluoranthene	U		0.00620	0.0349	1	05/06/2021 01:41	WG1663445
Benzo(g,h,i)perylene	U		0.00638	0.0349	1	05/06/2021 01:41	WG1663445
Benzo(a)pyrene	U		0.00648	0.0349	1	05/06/2021 01:41	WG1663445
Biphenyl	U	J4	0.0111	0.349	1	05/06/2021 01:41	WG1663445
Bis(2-chlorethoxy)methane	U	J4	0.0105	0.349	1	05/06/2021 01:41	WG1663445
Bis(2-chloroethyl)ether	U	J4	0.0115	0.349	1	05/06/2021 01:41	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0151	0.349	1	05/06/2021 01:41	WG1663445
4-Bromophenyl-phenylether	U		0.0123	0.349	1	05/06/2021 01:41	WG1663445
Caprolactam	U		0.0173	0.349	1	05/06/2021 01:41	WG1663445
Carbazole	U		0.0108	0.349	1	05/06/2021 01:41	WG1663445
4-Chloroaniline	U	J4	0.0126	0.349	1	05/06/2021 01:41	WG1663445
2-Chloronaphthalene	U	J4	0.00613	0.0349	1	05/06/2021 01:41	WG1663445
4-Chlorophenyl-phenylether	U	J4	0.0122	0.349	1	05/06/2021 01:41	WG1663445
Chrysene	U		0.00694	0.0349	1	05/06/2021 01:41	WG1663445
Dibenz(a,h)anthracene	U		0.00967	0.0349	1	05/06/2021 01:41	WG1663445
Dibenzofuran	U	J4	0.0114	0.349	1	05/06/2021 01:41	WG1663445
3,3-Dichlorobenzidine	U		0.0129	0.349	1	05/06/2021 01:41	WG1663445
2,4-Dinitrotoluene	U		0.0100	0.349	1	05/06/2021 01:41	WG1663445
2,6-Dinitrotoluene	U		0.0114	0.349	1	05/06/2021 01:41	WG1663445
Fluoranthene	U		0.00630	0.0349	1	05/06/2021 01:41	WG1663445
Fluorene	U	J4	0.00568	0.0349	1	05/06/2021 01:41	WG1663445
Hexachlorobenzene	U		0.0124	0.349	1	05/06/2021 01:41	WG1663445
Hexachloro-1,3-butadiene	U	J4	0.0117	0.349	1	05/06/2021 01:41	WG1663445
Hexachlorocyclopentadiene	U		0.0183	0.349	1	05/06/2021 01:41	WG1663445
Hexachloroethane	U		0.0137	0.349	1	05/06/2021 01:41	WG1663445
Indeno(1,2,3-cd)pyrene	U		0.00986	0.0349	1	05/06/2021 01:41	WG1663445
Isophorone	U	J4	0.0107	0.349	1	05/06/2021 01:41	WG1663445
2-Methylnaphthalene	U	J4	0.00453	0.0349	1	05/06/2021 01:41	WG1663445
Naphthalene	U	J4	0.00876	0.0349	1	05/06/2021 01:41	WG1663445
2-Nitroaniline	U		0.0112	0.349	1	05/06/2021 01:41	WG1663445
3-Nitroaniline	U		0.0111	0.349	1	05/06/2021 01:41	WG1663445
4-Nitroaniline	U		0.0102	0.349	1	05/06/2021 01:41	WG1663445
Nitrobenzene	U	J4	0.0122	0.349	1	05/06/2021 01:41	WG1663445
n-Nitrosodiphenylamine	U		0.0264	0.349	1	05/06/2021 01:41	WG1663445
n-Nitrosodi-n-propylamine	U	J4	0.0116	0.349	1	05/06/2021 01:41	WG1663445
Phenanthrene	U	J4	0.00692	0.0349	1	05/06/2021 01:41	WG1663445
Benzylbutyl phthalate	U		0.0109	0.349	1	05/06/2021 01:41	WG1663445
Bis(2-ethylhexyl)phthalate	U		0.0442	0.349	1	05/06/2021 01:41	WG1663445
Di-n-butyl phthalate	U	J4	0.0119	0.349	1	05/06/2021 01:41	WG1663445
Diethyl phthalate	U		0.0115	0.349	1	05/06/2021 01:41	WG1663445
Dimethyl phthalate	U		0.0740	0.349	1	05/06/2021 01:41	WG1663445
Di-n-octyl phthalate	U		0.0236	0.349	1	05/06/2021 01:41	WG1663445
Pyrene	U		0.00679	0.0349	1	05/06/2021 01:41	WG1663445
1,2,4,5-Tetrachlorobenzene	U	J4	0.0167	0.349	1	05/06/2021 01:41	WG1663445
4-Chloro-3-methylphenol	U	J4	0.0113	0.349	1	05/06/2021 01:41	WG1663445
2-Chlorophenol	U	J4	0.0115	0.349	1	05/06/2021 01:41	WG1663445
2-Methylphenol	U	J4	0.0105	0.349	1	05/06/2021 01:41	WG1663445
3&4-Methyl Phenol	U		0.0109	0.349	1	05/06/2021 01:41	WG1663445
2,4-Dichlorophenol	U	J4	0.0102	0.349	1	05/06/2021 01:41	WG1663445
2,4-Dimethylphenol	U	J4	0.00911	0.349	1	05/06/2021 01:41	WG1663445
4,6-Dinitro-2-methylphenol	U	J4	0.0791	0.349	1	05/06/2021 01:41	WG1663445
2,4-Dinitrophenol	U		0.0816	0.349	1	05/06/2021 01:41	WG1663445
2-Nitrophenol	U	J4	0.0125	0.349	1	05/06/2021 01:41	WG1663445
4-Nitrophenol	U		0.0109	0.349	1	05/06/2021 01:41	WG1663445
Pentachlorophenol	U		0.00939	0.349	1	05/06/2021 01:41	WG1663445
Phenol	U		0.0140	0.349	1	05/06/2021 01:41	WG1663445
2,4,5-Trichlorophenol	U	J4	0.0118	0.349	1	05/06/2021 01:41	WG1663445
2,4,6-Trichlorophenol	U	J4	0.0112	0.349	1	05/06/2021 01:41	WG1663445
(S) 2-Fluorophenol	*89.3*			*30.0-130*		*05/06/2021 01:41*	WG1663445
(S) Phenol-d5	*78.9*			*30.0-130*		*05/06/2021 01:41*	WG1663445
(S) Nitrobenzene-d5	*72.2*			*30.0-130*		*05/06/2021 01:41*	WG1663445
(S) 2-Fluorobiphenyl	*82.3*			*30.0-130*		*05/06/2021 01:41*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*86.7*			*30.0-130*		*05/06/2021 01:41*	WG1663445
(S) p-Terphenyl-d14	*86.9*			*30.0-130*		*05/06/2021 01:41*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.234	J N	0.000	0.000	1	05/06/2021 01:41	WG1663445		
Unknown-01	0.189	J N	0.000	0.000	1	05/06/2021 01:41	WG1663445	000123-42-2	2.68
Unknown-02	0.0450	J N	0.000	0.000	1	05/06/2021 01:41	WG1663445	003179-63-3	3.41

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	05/04/2021 10:34	WG1663189

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0850	0.290	1	05/06/2021 22:37	WG1665185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0209	0.0464	1	05/04/2021 10:51	WG1661378

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	1730	J5	7.05	11.6	1	05/03/2021 15:32	WG1662149
Antimony	U		0.631	2.32	1	05/03/2021 15:32	WG1662149
Arsenic	1.65	J	0.601	2.32	1	05/03/2021 15:32	WG1662149
Barium	3.92		0.0988	0.580	1	05/03/2021 15:32	WG1662149
Beryllium	0.172	J	0.0365	0.232	1	05/03/2021 15:32	WG1662149
Cadmium	0.0631	J	0.0546	0.580	1	05/03/2021 15:32	WG1662149
Calcium	221		12.3	116	1	05/03/2021 15:32	WG1662149
Chromium	6.54		0.154	1.16	1	05/03/2021 15:32	WG1662149
Cobalt	1.54		0.0940	1.16	1	05/03/2021 15:32	WG1662149
Copper	1.78	J	0.464	2.32	1	05/03/2021 15:32	WG1662149
Iron	5640	J3 O1 V	2.60	11.6	1	05/03/2021 15:32	WG1662149
Lead	1.33		0.241	0.580	1	05/03/2021 15:32	WG1662149
Magnesium	340		8.56	116	1	05/03/2021 15:32	WG1662149
Manganese	18.8		0.154	1.16	1	05/03/2021 15:32	WG1662149
Nickel	1.58	J	0.153	2.32	1	05/03/2021 15:32	WG1662149
Potassium	664		24.2	116	1	05/03/2021 15:32	WG1662149
Selenium	U		0.886	2.32	1	05/03/2021 15:32	WG1662149
Silver	U		0.147	1.16	1	05/03/2021 15:32	WG1662149
Sodium	U		47.8	116	1	05/03/2021 15:32	WG1662149
Thallium	0.520	J	0.457	2.32	1	05/03/2021 15:32	WG1662149
Vanadium	9.83		0.587	2.32	1	05/03/2021 15:32	WG1662149
Zinc	5.63	J	0.965	5.80	1	05/03/2021 15:32	WG1662149

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0240	0.0580	1	05/06/2021 18:46	WG1665562
Benzene	U		0.000435	0.00116	1	05/06/2021 18:46	WG1665562
Bromochloromethane	U		0.000388	0.00116	1	05/06/2021 18:46	WG1665562
Bromodichloromethane	U		0.000841	0.00116	1	05/06/2021 18:46	WG1665562
Bromoform	U		0.000492	0.00116	1	05/06/2021 18:46	WG1665562
Bromomethane	U		0.00136	0.00580	1	05/06/2021 18:46	WG1665562
Carbon disulfide	U		0.000812	0.00116	1	05/06/2021 18:46	WG1665562
Carbon tetrachloride	U		0.000288	0.00116	1	05/06/2021 18:46	WG1665562
Chlorobenzene	U		0.000223	0.00116	1	05/06/2021 18:46	WG1665562
Chlorodibromomethane	U		0.000260	0.00116	1	05/06/2021 18:46	WG1665562
Chloroethane	U		0.00116	0.00580	1	05/06/2021 18:46	WG1665562
Chloroform	U		0.00119	0.00580	1	05/06/2021 18:46	WG1665562
Chloromethane	U		0.000754	0.00290	1	05/06/2021 18:46	WG1665562

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000311	0.00116	1	05/06/2021 18:46	WG1665562
1,2-Dibromo-3-Chloropropane	U		0.00220	0.00580	1	05/06/2021 18:46	WG1665562
1,2-Dibromoethane	U		0.000290	0.00116	1	05/06/2021 18:46	WG1665562
Dichlorodifluoromethane	U		0.000333	0.00580	1	05/06/2021 18:46	WG1665562
1,1-Dichloroethane	U		0.000311	0.00116	1	05/06/2021 18:46	WG1665562
1,2-Dichloroethane	U		0.000522	0.00116	1	05/06/2021 18:46	WG1665562
1,2-Dichlorobenzene	U		0.000493	0.00116	1	05/06/2021 18:46	WG1665562
1,3-Dichlorobenzene	U		0.000696	0.00116	1	05/06/2021 18:46	WG1665562
1,4-Dichlorobenzene	U		0.000962	0.00116	1	05/06/2021 18:46	WG1665562
1,1-Dichloroethene	U		0.000412	0.00116	1	05/06/2021 18:46	WG1665562
cis-1,2-Dichloroethene	U		0.000551	0.00116	1	05/06/2021 18:46	WG1665562
trans-1,2-Dichloroethene	U		0.000580	0.00116	1	05/06/2021 18:46	WG1665562
1,2-Dichloropropane	U		0.000190	0.00116	1	05/06/2021 18:46	WG1665562
cis-1,3-Dichloropropene	U		0.000493	0.00116	1	05/06/2021 18:46	WG1665562
trans-1,3-Dichloropropene	U		0.000783	0.00116	1	05/06/2021 18:46	WG1665562
Ethylbenzene	U		0.000348	0.00116	1	05/06/2021 18:46	WG1665562
2-Hexanone	U		0.00208	0.0116	1	05/06/2021 18:46	WG1665562
Isopropylbenzene	U		0.000493	0.00116	1	05/06/2021 18:46	WG1665562
2-Butanone (MEK)	U		0.00543	0.0116	1	05/06/2021 18:46	WG1665562
Methyl Acetate	U		0.00348	0.0232	1	05/06/2021 18:46	WG1665562
Methyl Cyclohexane	U		0.000898	0.00116	1	05/06/2021 18:46	WG1665562
Methylene Chloride	U		0.00116	0.00580	1	05/06/2021 18:46	WG1665562
4-Methyl-2-pentanone (MIBK)	U		0.00110	0.0116	1	05/06/2021 18:46	WG1665562
Methyl tert-butyl ether	U		0.000406	0.00116	1	05/06/2021 18:46	WG1665562
Styrene	U		0.000259	0.00116	1	05/06/2021 18:46	WG1665562
1,1,2,2-Tetrachloroethane	U		0.000268	0.00116	1	05/06/2021 18:46	WG1665562
Tetrachloroethene	U		0.000377	0.00116	1	05/06/2021 18:46	WG1665562
Toluene	U		0.00143	0.00580	1	05/06/2021 18:46	WG1665562
1,2,3-Trichlorobenzene	U		0.000355	0.00116	1	05/06/2021 18:46	WG1665562
1,2,4-Trichlorobenzene	U		0.000450	0.00116	1	05/06/2021 18:46	WG1665562
1,1,1-Trichloroethane	U		0.000429	0.00116	1	05/06/2021 18:46	WG1665562
1,1,2-Trichloroethane	U		0.000493	0.00116	1	05/06/2021 18:46	WG1665562
Trichloroethene	U		0.000232	0.00116	1	05/06/2021 18:46	WG1665562
Trichlorofluoromethane	U		0.000413	0.00580	1	05/06/2021 18:46	WG1665562
1,1,2-Trichlorotrifluoroethane	U		0.000494	0.00116	1	05/06/2021 18:46	WG1665562
Vinyl chloride	U		0.000262	0.00116	1	05/06/2021 18:46	WG1665562
Xylenes, Total	U		0.000580	0.00348	1	05/06/2021 18:46	WG1665562
(S) Toluene-d8	*109*			*75.0-131*		*05/06/2021 18:46*	WG1665562
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*05/06/2021 18:46*	WG1665562
(S) 1,2-Dichloroethane-d4	*127*			*70.0-130*		*05/06/2021 18:46*	WG1665562

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/06/2021 18:46	WG1665562		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

TPH by Method NJDEP EPH

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
EPH Screen	U		8.23	23.2	1	05/05/2021 20:53	WG1664182
(S) o-Terphenyl	*81.9*		*6.67*	*40.0-140*		*05/05/2021 20:53*	WG1664182

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00436	0.0232	1	05/06/2021 12:01	WG1663467
Alpha BHC	U		0.00427	0.0232	1	05/06/2021 12:01	WG1663467
Beta BHC	U		0.00439	0.0232	1	05/06/2021 12:01	WG1663467
Delta BHC	U		0.00401	0.0232	1	05/06/2021 12:01	WG1663467
Gamma BHC	U		0.00399	0.0232	1	05/06/2021 12:01	WG1663467
Chlordane	U		0.119	0.348	1	05/06/2021 12:01	WG1663467
4,4-DDD	U		0.00429	0.0232	1	05/06/2021 12:01	WG1663467
4,4-DDE	U		0.00424	0.0232	1	05/06/2021 12:01	WG1663467
4,4-DDT	U		0.00727	0.0232	1	05/06/2021 12:01	WG1663467
Dieldrin	U		0.00399	0.0232	1	05/06/2021 12:01	WG1663467
Endosulfan I	U		0.00421	0.0232	1	05/06/2021 12:01	WG1663467
Endosulfan II	U		0.00388	0.0232	1	05/06/2021 12:01	WG1663467
Endosulfan sulfate	U		0.00422	0.0232	1	05/06/2021 12:01	WG1663467
Endrin	U		0.00406	0.0232	1	05/06/2021 12:01	WG1663467
Endrin aldehyde	U		0.00393	0.0232	1	05/06/2021 12:01	WG1663467
Endrin ketone	U		0.00824	0.0232	1	05/06/2021 12:01	WG1663467
Hexachlorobenzene	U		0.00401	0.0232	1	05/06/2021 12:01	WG1663467
Heptachlor	U		0.00496	0.0232	1	05/06/2021 12:01	WG1663467
Heptachlor epoxide	U		0.00393	0.0232	1	05/06/2021 12:01	WG1663467
Methoxychlor	U		0.00561	0.0232	1	05/06/2021 12:01	WG1663467
Toxaphene	U		0.144	0.464	1	05/06/2021 12:01	WG1663467
(S) Decachlorobiphenyl	*80.4*			*30.0-150*		*05/06/2021 12:01*	WG1663467
(S) Tetrachloro-m-xylene	*88.6*			*30.0-150*		*05/06/2021 12:01*	WG1663467

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0137	0.0394	1	05/05/2021 15:44	WG1663467
PCB 1221	U		0.0137	0.0394	1	05/05/2021 15:44	WG1663467
PCB 1232	U		0.0137	0.0394	1	05/05/2021 15:44	WG1663467
PCB 1242	U		0.0137	0.0394	1	05/05/2021 15:44	WG1663467
PCB 1248	U		0.00856	0.0197	1	05/05/2021 15:44	WG1663467
PCB 1254	U		0.00856	0.0197	1	05/05/2021 15:44	WG1663467
PCB 1260	U		0.00856	0.0197	1	05/05/2021 15:44	WG1663467
Total PCBs	U		0.00856	0.0197	1	05/05/2021 15:44	WG1663467
(S) Decachlorobiphenyl	*74.4*			*30.0-150*		*05/05/2021 15:44*	WG1663467
(S) Tetrachloro-m-xylene	*85.0*			*30.0-150*		*05/05/2021 15:44*	WG1663467

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00625	0.0386	1	05/07/2021 11:34	WG1663445
Acenaphthylene	U	J4	0.00544	0.0386	1	05/07/2021 11:34	WG1663445
Acetophenone	U		0.0121	0.386	1	05/07/2021 11:34	WG1663445
Anthracene	U	J4	0.00687	0.0386	1	05/07/2021 11:34	WG1663445
Atrazine	U		0.0133	0.386	1	05/07/2021 11:34	WG1663445
Benzaldehyde	U		0.0205	0.386	1	05/07/2021 11:34	WG1663445
Benzo(a)anthracene	U		0.00681	0.0386	1	05/07/2021 11:34	WG1663445
Benzo(b)fluoranthene	U		0.00720	0.0386	1	05/07/2021 11:34	WG1663445
Benzo(k)fluoranthene	U		0.00686	0.0386	1	05/07/2021 11:34	WG1663445
Benzo(g,h,i)perylene	U		0.00706	0.0386	1	05/07/2021 11:34	WG1663445
Benzo(a)pyrene	U		0.00718	0.0386	1	05/07/2021 11:34	WG1663445
Biphenyl	U	J4	0.0123	0.386	1	05/07/2021 11:34	WG1663445
Bis(2-chlorethoxy)methane	U	J4	0.0116	0.386	1	05/07/2021 11:34	WG1663445
Bis(2-chloroethyl)ether	U	J4	0.0128	0.386	1	05/07/2021 11:34	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0167	0.386	1	05/07/2021 11:34	WG1663445
4-Bromophenyl-phenylether	U		0.0136	0.386	1	05/07/2021 11:34	WG1663445
Caprolactam	0.0632	J	0.0191	0.386	1	05/07/2021 11:34	WG1663445
Carbazole	U		0.0119	0.386	1	05/07/2021 11:34	WG1663445
4-Chloroaniline	U	J4	0.0139	0.386	1	05/07/2021 11:34	WG1663445
2-Chloronaphthalene	U	J4	0.00678	0.0386	1	05/07/2021 11:34	WG1663445
4-Chlorophenyl-phenylether	U	J4	0.0134	0.386	1	05/07/2021 11:34	WG1663445
Chrysene	U		0.00767	0.0386	1	05/07/2021 11:34	WG1663445
Dibenz(a,h)anthracene	U		0.0107	0.0386	1	05/07/2021 11:34	WG1663445
Dibenzofuran	U	J4	0.0126	0.386	1	05/07/2021 11:34	WG1663445
3,3-Dichlorobenzidine	U		0.0143	0.386	1	05/07/2021 11:34	WG1663445
2,4-Dinitrotoluene	U		0.0111	0.386	1	05/07/2021 11:34	WG1663445
2,6-Dinitrotoluene	U		0.0126	0.386	1	05/07/2021 11:34	WG1663445
Fluoranthene	U		0.00697	0.0386	1	05/07/2021 11:34	WG1663445
Fluorene	U	J4	0.00628	0.0386	1	05/07/2021 11:34	WG1663445
Hexachlorobenzene	U		0.0137	0.386	1	05/07/2021 11:34	WG1663445
Hexachloro-1,3-butadiene	U	J4	0.0130	0.386	1	05/07/2021 11:34	WG1663445
Hexachlorocyclopentadiene	U		0.0203	0.386	1	05/07/2021 11:34	WG1663445
Hexachloroethane	U		0.0152	0.386	1	05/07/2021 11:34	WG1663445
Indeno(1,2,3-cd)pyrene	U		0.0109	0.0386	1	05/07/2021 11:34	WG1663445
Isophorone	U	J4	0.0118	0.386	1	05/07/2021 11:34	WG1663445
2-Methylnaphthalene	U	J4	0.00501	0.0386	1	05/07/2021 11:34	WG1663445
Naphthalene	U	J4	0.00969	0.0386	1	05/07/2021 11:34	WG1663445
2-Nitroaniline	U		0.0124	0.386	1	05/07/2021 11:34	WG1663445
3-Nitroaniline	U		0.0123	0.386	1	05/07/2021 11:34	WG1663445
4-Nitroaniline	U		0.0113	0.386	1	05/07/2021 11:34	WG1663445
Nitrobenzene	U	J4	0.0134	0.386	1	05/07/2021 11:34	WG1663445
n-Nitrosodiphenylamine	U		0.0292	0.386	1	05/07/2021 11:34	WG1663445
n-Nitrosodi-n-propylamine	U	C3 J4	0.0129	0.386	1	05/07/2021 11:34	WG1663445
Phenanthrene	U	J4	0.00766	0.0386	1	05/07/2021 11:34	WG1663445
Benzylbutyl phthalate	U	C3	0.0121	0.386	1	05/07/2021 11:34	WG1663445
Bis(2-ethylhexyl)phthalate	U	C3	0.0489	0.386	1	05/07/2021 11:34	WG1663445
Di-n-butyl phthalate	U	J4	0.0132	0.386	1	05/07/2021 11:34	WG1663445
Diethyl phthalate	U		0.0128	0.386	1	05/07/2021 11:34	WG1663445
Dimethyl phthalate	U		0.0818	0.386	1	05/07/2021 11:34	WG1663445
Di-n-octyl phthalate	U	C3	0.0261	0.386	1	05/07/2021 11:34	WG1663445
Pyrene	U		0.00751	0.0386	1	05/07/2021 11:34	WG1663445
1,2,4,5-Tetrachlorobenzene	U	J4	0.0184	0.386	1	05/07/2021 11:34	WG1663445
4-Chloro-3-methylphenol	U	J4	0.0125	0.386	1	05/07/2021 11:34	WG1663445
2-Chlorophenol	U	J4	0.0128	0.386	1	05/07/2021 11:34	WG1663445
2-Methylphenol	U	J4	0.0116	0.386	1	05/07/2021 11:34	WG1663445
3&4-Methyl Phenol	U		0.0121	0.386	1	05/07/2021 11:34	WG1663445
2,4-Dichlorophenol	U	J4	0.0112	0.386	1	05/07/2021 11:34	WG1663445
2,4-Dimethylphenol	U	J4	0.0101	0.386	1	05/07/2021 11:34	WG1663445
4,6-Dinitro-2-methylphenol	U	J4	0.0875	0.386	1	05/07/2021 11:34	WG1663445
2,4-Dinitrophenol	U		0.0903	0.386	1	05/07/2021 11:34	WG1663445
2-Nitrophenol	U	J4	0.0138	0.386	1	05/07/2021 11:34	WG1663445
4-Nitrophenol	U		0.0121	0.386	1	05/07/2021 11:34	WG1663445
Pentachlorophenol	U		0.0104	0.386	1	05/07/2021 11:34	WG1663445
Phenol	U		0.0155	0.386	1	05/07/2021 11:34	WG1663445
2,4,5-Trichlorophenol	U	J4	0.0131	0.386	1	05/07/2021 11:34	WG1663445
2,4,6-Trichlorophenol	U	J4	0.0124	0.386	1	05/07/2021 11:34	WG1663445
(S) 2-Fluorophenol	*69.6*			*30.0-130*		*05/07/2021 11:34*	WG1663445
(S) Phenol-d5	*64.1*			*30.0-130*		*05/07/2021 11:34*	WG1663445
(S) Nitrobenzene-d5	*57.1*			*30.0-130*		*05/07/2021 11:34*	WG1663445
(S) 2-Fluorobiphenyl	*78.8*			*30.0-130*		*05/07/2021 11:34*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*76.1*			*30.0-130*		*05/07/2021 11:34*	WG1663445
(S) p-Terphenyl-d14	*79.1*			*30.0-130*		*05/07/2021 11:34*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.472	J N	0.000	0.000	1	05/07/2021 11:34	WG1663445		
Unknown-01	0.153	J N	0.000	0.000	1	05/07/2021 11:34	WG1663445	000123-42-2	2.21
Cyclopentasiloxane, Decamethyl-	0.107	J N	0.000	0.000	1	05/07/2021 11:34	WG1663445	000541-02-6	3.41
Cyclotrisiloxane, Hexamethyl-	0.0639	J N	0.000	0.000	1	05/07/2021 11:34	WG1663445	000541-05-9	2.06
Unknown-02	0.0630	J N	0.000	0.000	1	05/07/2021 11:34	WG1663445	000123-38-6	2.31
Unknown-04	0.0443	J N	0.000	0.000	1	05/07/2021 11:34	WG1663445	006970-60-1	3.23
Unknown-03	0.0408	J N	0.000	0.000	1	05/07/2021 11:34	WG1663445	000697-75-6	2.93

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.7		1	05/04/2021 10:34	WG1663189

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0846	0.288	1	05/06/2021 22:38	WG1665185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0208	0.0461	1	05/04/2021 10:54	WG1661378

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	1190		7.01	11.5	1	05/03/2021 16:19	WG1662149
Antimony	U		0.628	2.31	1	05/03/2021 16:19	WG1662149
Arsenic	0.725	J	0.598	2.31	1	05/03/2021 16:19	WG1662149
Barium	3.51		0.0983	0.577	1	05/03/2021 16:19	WG1662149
Beryllium	0.102	J	0.0363	0.231	1	05/03/2021 16:19	WG1662149
Cadmium	U		0.0543	0.577	1	05/03/2021 16:19	WG1662149
Calcium	68.9	J	12.2	115	1	05/03/2021 16:19	WG1662149
Chromium	3.62		0.153	1.15	1	05/03/2021 16:19	WG1662149
Cobalt	0.413	J	0.0936	1.15	1	05/03/2021 16:19	WG1662149
Copper	1.73	J	0.461	2.31	1	05/03/2021 16:19	WG1662149
Iron	2500		2.58	11.5	1	05/03/2021 16:19	WG1662149
Lead	1.39		0.240	0.577	1	05/03/2021 16:19	WG1662149
Magnesium	209		8.51	115	1	05/03/2021 16:19	WG1662149
Manganese	3.90		0.153	1.15	1	05/03/2021 16:19	WG1662149
Nickel	1.03	J	0.152	2.31	1	05/03/2021 16:19	WG1662149
Potassium	434		24.1	115	1	05/03/2021 16:19	WG1662149
Selenium	U		0.881	2.31	1	05/03/2021 16:19	WG1662149
Silver	U		0.147	1.15	1	05/03/2021 16:19	WG1662149
Sodium	U		47.5	115	1	05/03/2021 16:19	WG1662149
Thallium	U		0.455	2.31	1	05/03/2021 16:19	WG1662149
Vanadium	5.26		0.584	2.31	1	05/03/2021 16:19	WG1662149
Zinc	3.20	J	0.960	5.77	1	05/03/2021 16:19	WG1662149

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0239	0.0577	1	05/06/2021 19:08	WG1665562
Benzene	U		0.000433	0.00115	1	05/06/2021 19:08	WG1665562
Bromochloromethane	U		0.000386	0.00115	1	05/06/2021 19:08	WG1665562
Bromodichloromethane	U		0.000836	0.00115	1	05/06/2021 19:08	WG1665562
Bromoform	U		0.000489	0.00115	1	05/06/2021 19:08	WG1665562
Bromomethane	U		0.00135	0.00577	1	05/06/2021 19:08	WG1665562
Carbon disulfide	U		0.000808	0.00115	1	05/06/2021 19:08	WG1665562
Carbon tetrachloride	U		0.000286	0.00115	1	05/06/2021 19:08	WG1665562
Chlorobenzene	U		0.000221	0.00115	1	05/06/2021 19:08	WG1665562
Chlorodibromomethane	U		0.000258	0.00115	1	05/06/2021 19:08	WG1665562
Chloroethane	U		0.00115	0.00577	1	05/06/2021 19:08	WG1665562
Chloroform	U		0.00119	0.00577	1	05/06/2021 19:08	WG1665562
Chloromethane	U		0.000750	0.00288	1	05/06/2021 19:08	WG1665562

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000309	0.00115	1	05/06/2021 19:08	WG1665562
1,2-Dibromo-3-Chloropropane	U		0.00219	0.00577	1	05/06/2021 19:08	WG1665562
1,2-Dibromoethane	U		0.000288	0.00115	1	05/06/2021 19:08	WG1665562
Dichlorodifluoromethane	U		0.000331	0.00577	1	05/06/2021 19:08	WG1665562
1,1-Dichloroethane	U		0.000309	0.00115	1	05/06/2021 19:08	WG1665562
1,2-Dichloroethane	U		0.000519	0.00115	1	05/06/2021 19:08	WG1665562
1,2-Dichlorobenzene	U		0.000490	0.00115	1	05/06/2021 19:08	WG1665562
1,3-Dichlorobenzene	U		0.000692	0.00115	1	05/06/2021 19:08	WG1665562
1,4-Dichlorobenzene	U		0.000957	0.00115	1	05/06/2021 19:08	WG1665562
1,1-Dichloroethene	U		0.000410	0.00115	1	05/06/2021 19:08	WG1665562
cis-1,2-Dichloroethene	U		0.000548	0.00115	1	05/06/2021 19:08	WG1665562
trans-1,2-Dichloroethene	U		0.000577	0.00115	1	05/06/2021 19:08	WG1665562
1,2-Dichloropropane	U		0.000189	0.00115	1	05/06/2021 19:08	WG1665562
cis-1,3-Dichloropropene	U		0.000490	0.00115	1	05/06/2021 19:08	WG1665562
trans-1,3-Dichloropropene	U		0.000779	0.00115	1	05/06/2021 19:08	WG1665562
Ethylbenzene	U		0.000346	0.00115	1	05/06/2021 19:08	WG1665562
2-Hexanone	U		0.00206	0.0115	1	05/06/2021 19:08	WG1665562
Isopropylbenzene	U		0.000490	0.00115	1	05/06/2021 19:08	WG1665562
2-Butanone (MEK)	U		0.00540	0.0115	1	05/06/2021 19:08	WG1665562
Methyl Acetate	U		0.00346	0.0231	1	05/06/2021 19:08	WG1665562
Methyl Cyclohexane	U		0.000894	0.00115	1	05/06/2021 19:08	WG1665562
Methylene Chloride	U		0.00115	0.00577	1	05/06/2021 19:08	WG1665562
4-Methyl-2-pentanone (MIBK)	U		0.00110	0.0115	1	05/06/2021 19:08	WG1665562
Methyl tert-butyl ether	U		0.000404	0.00115	1	05/06/2021 19:08	WG1665562
Styrene	U		0.000257	0.00115	1	05/06/2021 19:08	WG1665562
1,1,2,2-Tetrachloroethane	U		0.000266	0.00115	1	05/06/2021 19:08	WG1665562
Tetrachloroethene	U		0.000375	0.00115	1	05/06/2021 19:08	WG1665562
Toluene	U		0.00142	0.00577	1	05/06/2021 19:08	WG1665562
1,2,3-Trichlorobenzene	U		0.000353	0.00115	1	05/06/2021 19:08	WG1665562
1,2,4-Trichlorobenzene	U		0.000448	0.00115	1	05/06/2021 19:08	WG1665562
1,1,1-Trichloroethane	U		0.000427	0.00115	1	05/06/2021 19:08	WG1665562
1,1,2-Trichloroethane	U		0.000490	0.00115	1	05/06/2021 19:08	WG1665562
Trichloroethene	U		0.000231	0.00115	1	05/06/2021 19:08	WG1665562
Trichlorofluoromethane	U		0.000411	0.00577	1	05/06/2021 19:08	WG1665562
1,1,2-Trichlorotrifluoroethane	U		0.000491	0.00115	1	05/06/2021 19:08	WG1665562
Vinyl chloride	U		0.000261	0.00115	1	05/06/2021 19:08	WG1665562
Xylenes, Total	U		0.000577	0.00346	1	05/06/2021 19:08	WG1665562
(S) Toluene-d8	*108*			*75.0-131*		*05/06/2021 19:08*	WG1665562
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*05/06/2021 19:08*	WG1665562
(S) 1,2-Dichloroethane-d4	*127*			*70.0-130*		*05/06/2021 19:08*	WG1665562

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/06/2021 19:08	WG1665562		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

TPH by Method NJDEP EPH

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
EPH Screen	U		8.19	23.1	1	05/05/2021 21:06	WG1664182
(S) o-Terphenyl	*74.8*		*6.67*	*40.0-140*		*05/05/2021 21:06*	WG1664182

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00434	0.0231	1	05/06/2021 12:16	WG1663467
Alpha BHC	U		0.00425	0.0231	1	05/06/2021 12:16	WG1663467
Beta BHC	U		0.00437	0.0231	1	05/06/2021 12:16	WG1663467
Delta BHC	U		0.00399	0.0231	1	05/06/2021 12:16	WG1663467
Gamma BHC	U		0.00397	0.0231	1	05/06/2021 12:16	WG1663467
Chlordane	U		0.119	0.346	1	05/06/2021 12:16	WG1663467
4,4-DDD	U		0.00427	0.0231	1	05/06/2021 12:16	WG1663467
4,4-DDE	U		0.00422	0.0231	1	05/06/2021 12:16	WG1663467
4,4-DDT	U		0.00723	0.0231	1	05/06/2021 12:16	WG1663467
Dieldrin	U		0.00397	0.0231	1	05/06/2021 12:16	WG1663467
Endosulfan I	U		0.00419	0.0231	1	05/06/2021 12:16	WG1663467
Endosulfan II	U		0.00386	0.0231	1	05/06/2021 12:16	WG1663467
Endosulfan sulfate	U		0.00420	0.0231	1	05/06/2021 12:16	WG1663467
Endrin	U		0.00404	0.0231	1	05/06/2021 12:16	WG1663467
Endrin aldehyde	U		0.00391	0.0231	1	05/06/2021 12:16	WG1663467
Endrin ketone	U		0.00820	0.0231	1	05/06/2021 12:16	WG1663467
Hexachlorobenzene	U		0.00399	0.0231	1	05/06/2021 12:16	WG1663467
Heptachlor	U		0.00494	0.0231	1	05/06/2021 12:16	WG1663467
Heptachlor epoxide	U		0.00391	0.0231	1	05/06/2021 12:16	WG1663467
Methoxychlor	U		0.00558	0.0231	1	05/06/2021 12:16	WG1663467
Toxaphene	U		0.143	0.461	1	05/06/2021 12:16	WG1663467
(S) Decachlorobiphenyl	*68.9*			*30.0-150*		*05/06/2021 12:16*	WG1663467
(S) Tetrachloro-m-xylene	*67.2*			*30.0-150*		*05/06/2021 12:16*	WG1663467

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0136	0.0392	1	05/05/2021 15:54	WG1663467
PCB 1221	U		0.0136	0.0392	1	05/05/2021 15:54	WG1663467
PCB 1232	U		0.0136	0.0392	1	05/05/2021 15:54	WG1663467
PCB 1242	U		0.0136	0.0392	1	05/05/2021 15:54	WG1663467
PCB 1248	U		0.00851	0.0196	1	05/05/2021 15:54	WG1663467
PCB 1254	U		0.00851	0.0196	1	05/05/2021 15:54	WG1663467
PCB 1260	U		0.00851	0.0196	1	05/05/2021 15:54	WG1663467
Total PCBs	U		0.00851	0.0196	1	05/05/2021 15:54	WG1663467
(S) Decachlorobiphenyl	*68.1*			*30.0-150*		*05/05/2021 15:54*	WG1663467
(S) Tetrachloro-m-xylene	*66.5*			*30.0-150*		*05/05/2021 15:54*	WG1663467

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00622	0.0384	1	05/07/2021 11:55	WG1663445
Acenaphthylene	U	J4	0.00541	0.0384	1	05/07/2021 11:55	WG1663445
Acetophenone	U		0.0120	0.384	1	05/07/2021 11:55	WG1663445
Anthracene	U	J4	0.00684	0.0384	1	05/07/2021 11:55	WG1663445
Atrazine	U		0.0133	0.384	1	05/07/2021 11:55	WG1663445
Benzaldehyde	U		0.0204	0.384	1	05/07/2021 11:55	WG1663445
Benzo(a)anthracene	U		0.00677	0.0384	1	05/07/2021 11:55	WG1663445
Benzo(b)fluoranthene	U		0.00716	0.0384	1	05/07/2021 11:55	WG1663445
Benzo(k)fluoranthene	U		0.00683	0.0384	1	05/07/2021 11:55	WG1663445
Benzo(g,h,i)perylene	U		0.00703	0.0384	1	05/07/2021 11:55	WG1663445
Benzo(a)pyrene	U		0.00714	0.0384	1	05/07/2021 11:55	WG1663445
Biphenyl	U	J4	0.0122	0.384	1	05/07/2021 11:55	WG1663445
Bis(2-chlorethoxy)methane	U	J4	0.0115	0.384	1	05/07/2021 11:55	WG1663445
Bis(2-chloroethyl)ether	U	J4	0.0127	0.384	1	05/07/2021 11:55	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0166	0.384	1	05/07/2021 11:55	WG1663445
4-Bromophenyl-phenylether	U		0.0135	0.384	1	05/07/2021 11:55	WG1663445
Caprolactam	0.0344	J	0.0190	0.384	1	05/07/2021 11:55	WG1663445
Carbazole	U		0.0119	0.384	1	05/07/2021 11:55	WG1663445
4-Chloroaniline	U	J4	0.0138	0.384	1	05/07/2021 11:55	WG1663445
2-Chloronaphthalene	U	J4	0.00675	0.0384	1	05/07/2021 11:55	WG1663445
4-Chlorophenyl-phenylether	U	J4	0.0134	0.384	1	05/07/2021 11:55	WG1663445
Chrysene	U		0.00764	0.0384	1	05/07/2021 11:55	WG1663445
Dibenz(a,h)anthracene	U		0.0106	0.0384	1	05/07/2021 11:55	WG1663445
Dibenzofuran	U	J4	0.0126	0.384	1	05/07/2021 11:55	WG1663445
3,3-Dichlorobenzidine	U		0.0142	0.384	1	05/07/2021 11:55	WG1663445
2,4-Dinitrotoluene	U		0.0110	0.384	1	05/07/2021 11:55	WG1663445
2,6-Dinitrotoluene	U		0.0126	0.384	1	05/07/2021 11:55	WG1663445
Fluoranthene	U		0.00693	0.0384	1	05/07/2021 11:55	WG1663445
Fluorene	U	J4	0.00625	0.0384	1	05/07/2021 11:55	WG1663445
Hexachlorobenzene	U		0.0136	0.384	1	05/07/2021 11:55	WG1663445
Hexachloro-1,3-butadiene	U	J4	0.0129	0.384	1	05/07/2021 11:55	WG1663445
Hexachlorocyclopentadiene	U		0.0202	0.384	1	05/07/2021 11:55	WG1663445
Hexachloroethane	U		0.0151	0.384	1	05/07/2021 11:55	WG1663445
Indeno(1,2,3-cd)pyrene	U		0.0109	0.0384	1	05/07/2021 11:55	WG1663445
Isophorone	U	J4	0.0118	0.384	1	05/07/2021 11:55	WG1663445
2-Methylnaphthalene	U	J4	0.00498	0.0384	1	05/07/2021 11:55	WG1663445
Naphthalene	U	J4	0.00964	0.0384	1	05/07/2021 11:55	WG1663445
2-Nitroaniline	U		0.0123	0.384	1	05/07/2021 11:55	WG1663445
3-Nitroaniline	U		0.0122	0.384	1	05/07/2021 11:55	WG1663445
4-Nitroaniline	U		0.0112	0.384	1	05/07/2021 11:55	WG1663445
Nitrobenzene	U	J4	0.0134	0.384	1	05/07/2021 11:55	WG1663445
n-Nitrosodiphenylamine	U		0.0291	0.384	1	05/07/2021 11:55	WG1663445
n-Nitrosodi-n-propylamine	U	C3 J4	0.0128	0.384	1	05/07/2021 11:55	WG1663445
Phenanthrene	U	J4	0.00763	0.0384	1	05/07/2021 11:55	WG1663445
Benzylbutyl phthalate	U	C3	0.0120	0.384	1	05/07/2021 11:55	WG1663445
Bis(2-ethylhexyl)phthalate	U	C3	0.0487	0.384	1	05/07/2021 11:55	WG1663445
Di-n-butyl phthalate	U	J4	0.0132	0.384	1	05/07/2021 11:55	WG1663445
Diethyl phthalate	U		0.0127	0.384	1	05/07/2021 11:55	WG1663445
Dimethyl phthalate	U		0.0814	0.384	1	05/07/2021 11:55	WG1663445
Di-n-octyl phthalate	U	C3	0.0260	0.384	1	05/07/2021 11:55	WG1663445
Pyrene	U		0.00748	0.0384	1	05/07/2021 11:55	WG1663445
1,2,4,5-Tetrachlorobenzene	U	J4	0.0183	0.384	1	05/07/2021 11:55	WG1663445
4-Chloro-3-methylphenol	U	J4	0.0125	0.384	1	05/07/2021 11:55	WG1663445
2-Chlorophenol	U	J4	0.0127	0.384	1	05/07/2021 11:55	WG1663445
2-Methylphenol	U	J4	0.0115	0.384	1	05/07/2021 11:55	WG1663445
3&4-Methyl Phenol	U		0.0120	0.384	1	05/07/2021 11:55	WG1663445
2,4-Dichlorophenol	U	J4	0.0112	0.384	1	05/07/2021 11:55	WG1663445
2,4-Dimethylphenol	U	J4	0.0100	0.384	1	05/07/2021 11:55	WG1663445
4,6-Dinitro-2-methylphenol	U	J4	0.0871	0.384	1	05/07/2021 11:55	WG1663445
2,4-Dinitrophenol	U		0.0899	0.384	1	05/07/2021 11:55	WG1663445
2-Nitrophenol	U	J4	0.0137	0.384	1	05/07/2021 11:55	WG1663445
4-Nitrophenol	U		0.0120	0.384	1	05/07/2021 11:55	WG1663445
Pentachlorophenol	U		0.0103	0.384	1	05/07/2021 11:55	WG1663445
Phenol	U		0.0155	0.384	1	05/07/2021 11:55	WG1663445
2,4,5-Trichlorophenol	U	J4	0.0130	0.384	1	05/07/2021 11:55	WG1663445
2,4,6-Trichlorophenol	U	J4	0.0123	0.384	1	05/07/2021 11:55	WG1663445
(S) 2-Fluorophenol	*63.3*			*30.0-130*		*05/07/2021 11:55*	WG1663445
(S) Phenol-d5	*58.0*			*30.0-130*		*05/07/2021 11:55*	WG1663445
(S) Nitrobenzene-d5	*50.6*			*30.0-130*		*05/07/2021 11:55*	WG1663445
(S) 2-Fluorobiphenyl	*70.5*			*30.0-130*		*05/07/2021 11:55*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*67.2*			*30.0-130*		*05/07/2021 11:55*	WG1663445
(S) p-Terphenyl-d14	*67.2*			*30.0-130*		*05/07/2021 11:55*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.806	J N	0.000	0.000	1	05/07/2021 11:55	WG1663445		
Cyclopentasiloxane, Decamethyl-	0.193	J N	0.000	0.000	1	05/07/2021 11:55	WG1663445	000541-02-6	3.41
Cyclohexasiloxane, Dodecamethyl-	0.160	J N	0.000	0.000	1	05/07/2021 11:55	WG1663445	000540-97-6	4.05
Unknown-01	0.132	J N	0.000	0.000	1	05/07/2021 11:55	WG1663445	000123-42-2	2.21
Unknown-03	0.105	J N	0.000	0.000	1	05/07/2021 11:55	WG1663445	003555-47-3	4.64
Unknown-04	0.0719	J N	0.000	0.000	1	05/07/2021 11:55	WG1663445	010586-16-0	5.22
Unknown-05	0.0526	J N	0.000	0.000	1	05/07/2021 11:55	WG1663445	038147-00-1	5.75
Unknown-02	0.0517	J N	0.000	0.000	1	05/07/2021 11:55	WG1663445	000625-04-7	2.31
Unknown-06	0.0408	J N	0.000	0.000	1	05/07/2021 11:55	WG1663445	038147-00-1	6.24

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.2		1	05/04/2021 10:34	WG1663189

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0754	0.257	1	05/06/2021 22:41	WG1665185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0185	0.0411	1	05/04/2021 11:02	WG1661378

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	1630		6.25	10.3	1	05/03/2021 16:22	WG1662149
Antimony	U		0.559	2.06	1	05/03/2021 16:22	WG1662149
Arsenic	1.20	J	0.533	2.06	1	05/03/2021 16:22	WG1662149
Barium	3.36		0.0876	0.514	1	05/03/2021 16:22	WG1662149
Beryllium	0.214		0.0324	0.206	1	05/03/2021 16:22	WG1662149
Cadmium	U		0.0484	0.514	1	05/03/2021 16:22	WG1662149
Calcium	65.1	J	10.9	103	1	05/03/2021 16:22	WG1662149
Chromium	7.11		0.137	1.03	1	05/03/2021 16:22	WG1662149
Cobalt	0.803	J	0.0834	1.03	1	05/03/2021 16:22	WG1662149
Copper	2.42		0.411	2.06	1	05/03/2021 16:22	WG1662149
Iron	5640		2.30	10.3	1	05/03/2021 16:22	WG1662149
Lead	1.59		0.214	0.514	1	05/03/2021 16:22	WG1662149
Magnesium	255		7.59	103	1	05/03/2021 16:22	WG1662149
Manganese	5.11		0.137	1.03	1	05/03/2021 16:22	WG1662149
Nickel	1.54	J	0.136	2.06	1	05/03/2021 16:22	WG1662149
Potassium	488		21.5	103	1	05/03/2021 16:22	WG1662149
Selenium	U		0.786	2.06	1	05/03/2021 16:22	WG1662149
Silver	U		0.131	1.03	1	05/03/2021 16:22	WG1662149
Sodium	U		42.4	103	1	05/03/2021 16:22	WG1662149
Thallium	U		0.405	2.06	1	05/03/2021 16:22	WG1662149
Vanadium	10.6		0.520	2.06	1	05/03/2021 16:22	WG1662149
Zinc	9.52		0.856	5.14	1	05/03/2021 16:22	WG1662149

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0213	0.0514	1	05/06/2021 19:29	WG1665562
Benzene	U		0.000386	0.00103	1	05/06/2021 19:29	WG1665562
Bromochloromethane	U		0.000345	0.00103	1	05/06/2021 19:29	WG1665562
Bromodichloromethane	U		0.000746	0.00103	1	05/06/2021 19:29	WG1665562
Bromoform	U		0.000436	0.00103	1	05/06/2021 19:29	WG1665562
Bromomethane	U		0.00120	0.00514	1	05/06/2021 19:29	WG1665562
Carbon disulfide	U		0.000720	0.00103	1	05/06/2021 19:29	WG1665562
Carbon tetrachloride	U		0.000255	0.00103	1	05/06/2021 19:29	WG1665562
Chlorobenzene	U		0.000197	0.00103	1	05/06/2021 19:29	WG1665562
Chlorodibromomethane	U		0.000230	0.00103	1	05/06/2021 19:29	WG1665562
Chloroethane	U		0.00103	0.00514	1	05/06/2021 19:29	WG1665562
Chloroform	U		0.00106	0.00514	1	05/06/2021 19:29	WG1665562
Chloromethane	U		0.000668	0.00257	1	05/06/2021 19:29	WG1665562

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000276	0.00103	1	05/06/2021 19:29	WG1665562
1,2-Dibromo-3-Chloropropane	U		0.00195	0.00514	1	05/06/2021 19:29	WG1665562
1,2-Dibromoethane	U		0.000257	0.00103	1	05/06/2021 19:29	WG1665562
Dichlorodifluoromethane	U		0.000295	0.00514	1	05/06/2021 19:29	WG1665562
1,1-Dichloroethane	U		0.000276	0.00103	1	05/06/2021 19:29	WG1665562
1,2-Dichloroethane	U		0.000463	0.00103	1	05/06/2021 19:29	WG1665562
1,2-Dichlorobenzene	U		0.000437	0.00103	1	05/06/2021 19:29	WG1665562
1,3-Dichlorobenzene	U		0.000617	0.00103	1	05/06/2021 19:29	WG1665562
1,4-Dichlorobenzene	U		0.000854	0.00103	1	05/06/2021 19:29	WG1665562
1,1-Dichloroethene	U		0.000365	0.00103	1	05/06/2021 19:29	WG1665562
cis-1,2-Dichloroethene	U		0.000489	0.00103	1	05/06/2021 19:29	WG1665562
trans-1,2-Dichloroethene	U		0.000514	0.00103	1	05/06/2021 19:29	WG1665562
1,2-Dichloropropane	U		0.000169	0.00103	1	05/06/2021 19:29	WG1665562
cis-1,3-Dichloropropene	U		0.000437	0.00103	1	05/06/2021 19:29	WG1665562
trans-1,3-Dichloropropene	U		0.000694	0.00103	1	05/06/2021 19:29	WG1665562
Ethylbenzene	U		0.000309	0.00103	1	05/06/2021 19:29	WG1665562
2-Hexanone	U		0.00184	0.0103	1	05/06/2021 19:29	WG1665562
Isopropylbenzene	U		0.000437	0.00103	1	05/06/2021 19:29	WG1665562
2-Butanone (MEK)	U		0.00481	0.0103	1	05/06/2021 19:29	WG1665562
Methyl Acetate	U		0.00309	0.0206	1	05/06/2021 19:29	WG1665562
Methyl Cyclohexane	U		0.000797	0.00103	1	05/06/2021 19:29	WG1665562
Methylene Chloride	U		0.00103	0.00514	1	05/06/2021 19:29	WG1665562
4-Methyl-2-pentanone (MIBK)	U		0.000977	0.0103	1	05/06/2021 19:29	WG1665562
Methyl tert-butyl ether	U		0.000360	0.00103	1	05/06/2021 19:29	WG1665562
Styrene	U		0.000229	0.00103	1	05/06/2021 19:29	WG1665562
1,1,2,2-Tetrachloroethane	U		0.000238	0.00103	1	05/06/2021 19:29	WG1665562
Tetrachloroethene	U		0.000334	0.00103	1	05/06/2021 19:29	WG1665562
Toluene	U		0.00127	0.00514	1	05/06/2021 19:29	WG1665562
1,2,3-Trichlorobenzene	U		0.000315	0.00103	1	05/06/2021 19:29	WG1665562
1,2,4-Trichlorobenzene	U		0.000399	0.00103	1	05/06/2021 19:29	WG1665562
1,1,1-Trichloroethane	U		0.000381	0.00103	1	05/06/2021 19:29	WG1665562
1,1,2-Trichloroethane	U		0.000437	0.00103	1	05/06/2021 19:29	WG1665562
Trichloroethene	U		0.000206	0.00103	1	05/06/2021 19:29	WG1665562
Trichlorofluoromethane	U		0.000366	0.00514	1	05/06/2021 19:29	WG1665562
1,1,2-Trichlorotrifluoroethane	U		0.000438	0.00103	1	05/06/2021 19:29	WG1665562
Vinyl chloride	U		0.000232	0.00103	1	05/06/2021 19:29	WG1665562
Xylenes, Total	U		0.000514	0.00309	1	05/06/2021 19:29	WG1665562
(S) Toluene-d8	*109*			*75.0-131*		*05/06/2021 19:29*	WG1665562
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*05/06/2021 19:29*	WG1665562
(S) 1,2-Dichloroethane-d4	*128*			*70.0-130*		*05/06/2021 19:29*	WG1665562

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/06/2021 19:29	WG1665562		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

TPH by Method NJDEP EPH

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
EPH Screen	U		7.30	20.6	1	05/05/2021 21:19	WG1664182
(S) o-Terphenyl	*84.9*		*6.67*	*40.0-140*		*05/05/2021 21:19*	WG1664182

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00387	0.0206	1	05/06/2021 13:00	WG1663467
Alpha BHC	U		0.00378	0.0206	1	05/06/2021 13:00	WG1663467
Beta BHC	U		0.00390	0.0206	1	05/06/2021 13:00	WG1663467
Delta BHC	U		0.00356	0.0206	1	05/06/2021 13:00	WG1663467
Gamma BHC	U		0.00354	0.0206	1	05/06/2021 13:00	WG1663467
Chlordane	U		0.106	0.309	1	05/06/2021 13:00	WG1663467
4,4-DDD	U		0.00381	0.0206	1	05/06/2021 13:00	WG1663467
4,4-DDE	U		0.00376	0.0206	1	05/06/2021 13:00	WG1663467
4,4-DDT	U		0.00645	0.0206	1	05/06/2021 13:00	WG1663467
Dieldrin	U		0.00354	0.0206	1	05/06/2021 13:00	WG1663467
Endosulfan I	U		0.00373	0.0206	1	05/06/2021 13:00	WG1663467
Endosulfan II	U		0.00345	0.0206	1	05/06/2021 13:00	WG1663467
Endosulfan sulfate	U		0.00374	0.0206	1	05/06/2021 13:00	WG1663467
Endrin	U		0.00360	0.0206	1	05/06/2021 13:00	WG1663467
Endrin aldehyde	U		0.00349	0.0206	1	05/06/2021 13:00	WG1663467
Endrin ketone	U		0.00731	0.0206	1	05/06/2021 13:00	WG1663467
Hexachlorobenzene	U		0.00356	0.0206	1	05/06/2021 13:00	WG1663467
Heptachlor	U		0.00440	0.0206	1	05/06/2021 13:00	WG1663467
Heptachlor epoxide	U		0.00349	0.0206	1	05/06/2021 13:00	WG1663467
Methoxychlor	U		0.00498	0.0206	1	05/06/2021 13:00	WG1663467
Toxaphene	U		0.128	0.411	1	05/06/2021 13:00	WG1663467
(S) Decachlorobiphenyl	*96.6*			*30.0-150*		*05/06/2021 13:00*	WG1663467
(S) Tetrachloro-m-xylene	*98.2*			*30.0-150*		*05/06/2021 13:00*	WG1663467

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0121	0.0350	1	05/05/2021 16:24	WG1663467
PCB 1221	U		0.0121	0.0350	1	05/05/2021 16:24	WG1663467
PCB 1232	U		0.0121	0.0350	1	05/05/2021 16:24	WG1663467
PCB 1242	U		0.0121	0.0350	1	05/05/2021 16:24	WG1663467
PCB 1248	U		0.00759	0.0175	1	05/05/2021 16:24	WG1663467
PCB 1254	U		0.00759	0.0175	1	05/05/2021 16:24	WG1663467
PCB 1260	U		0.00759	0.0175	1	05/05/2021 16:24	WG1663467
Total PCBs	U		0.00759	0.0175	1	05/05/2021 16:24	WG1663467
(S) Decachlorobiphenyl	*95.3*			*30.0-150*		*05/05/2021 16:24*	WG1663467
(S) Tetrachloro-m-xylene	*92.3*			*30.0-150*		*05/05/2021 16:24*	WG1663467

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00554	0.0342	1	05/06/2021 02:43	WG1663445
Acenaphthylene	U	J4	0.00482	0.0342	1	05/06/2021 02:43	WG1663445
Acetophenone	U		0.0107	0.342	1	05/06/2021 02:43	WG1663445
Anthracene	U	J4	0.00610	0.0342	1	05/06/2021 02:43	WG1663445
Atrazine	U		0.0118	0.342	1	05/06/2021 02:43	WG1663445
Benzaldehyde	U		0.0182	0.342	1	05/06/2021 02:43	WG1663445
Benzo(a)anthracene	U		0.00604	0.0342	1	05/06/2021 02:43	WG1663445
Benzo(b)fluoranthene	U		0.00639	0.0342	1	05/06/2021 02:43	WG1663445
Benzo(k)fluoranthene	U		0.00609	0.0342	1	05/06/2021 02:43	WG1663445
Benzo(g,h,i)perylene	U		0.00626	0.0342	1	05/06/2021 02:43	WG1663445
Benzo(a)pyrene	U		0.00637	0.0342	1	05/06/2021 02:43	WG1663445
Biphenyl	U	J4	0.0109	0.342	1	05/06/2021 02:43	WG1663445
Bis(2-chlorethoxy)methane	U	J4	0.0103	0.342	1	05/06/2021 02:43	WG1663445
Bis(2-chloroethyl)ether	U	J4	0.0113	0.342	1	05/06/2021 02:43	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0148	0.342	1	05/06/2021 02:43	WG1663445
4-Bromophenyl-phenylether	U		0.0120	0.342	1	05/06/2021 02:43	WG1663445
Caprolactam	U		0.0170	0.342	1	05/06/2021 02:43	WG1663445
Carbazole	U		0.0106	0.342	1	05/06/2021 02:43	WG1663445
4-Chloroaniline	U	J4	0.0123	0.342	1	05/06/2021 02:43	WG1663445
2-Chloronaphthalene	U	J4	0.00602	0.0342	1	05/06/2021 02:43	WG1663445
4-Chlorophenyl-phenylether	U	J4	0.0119	0.342	1	05/06/2021 02:43	WG1663445
Chrysene	U		0.00681	0.0342	1	05/06/2021 02:43	WG1663445
Dibenz(a,h)anthracene	U		0.00949	0.0342	1	05/06/2021 02:43	WG1663445
Dibenzofuran	U	J4	0.0112	0.342	1	05/06/2021 02:43	WG1663445
3,3-Dichlorobenzidine	U		0.0127	0.342	1	05/06/2021 02:43	WG1663445
2,4-Dinitrotoluene	U		0.00982	0.342	1	05/06/2021 02:43	WG1663445
2,6-Dinitrotoluene	U		0.0112	0.342	1	05/06/2021 02:43	WG1663445
Fluoranthene	U		0.00618	0.0342	1	05/06/2021 02:43	WG1663445
Fluorene	U	J4	0.00557	0.0342	1	05/06/2021 02:43	WG1663445
Hexachlorobenzene	U		0.0121	0.342	1	05/06/2021 02:43	WG1663445
Hexachloro-1,3-butadiene	U	J4	0.0115	0.342	1	05/06/2021 02:43	WG1663445
Hexachlorocyclopentadiene	U		0.0180	0.342	1	05/06/2021 02:43	WG1663445
Hexachloroethane	U		0.0135	0.342	1	05/06/2021 02:43	WG1663445
Indeno(1,2,3-cd)pyrene	U		0.00968	0.0342	1	05/06/2021 02:43	WG1663445
Isophorone	U	J4	0.0105	0.342	1	05/06/2021 02:43	WG1663445
2-Methylnaphthalene	U	J4	0.00444	0.0342	1	05/06/2021 02:43	WG1663445
Naphthalene	U	J4	0.00860	0.0342	1	05/06/2021 02:43	WG1663445
2-Nitroaniline	U		0.0110	0.342	1	05/06/2021 02:43	WG1663445
3-Nitroaniline	U		0.0109	0.342	1	05/06/2021 02:43	WG1663445
4-Nitroaniline	U		0.00999	0.342	1	05/06/2021 02:43	WG1663445
Nitrobenzene	U	J4	0.0119	0.342	1	05/06/2021 02:43	WG1663445
n-Nitrosodiphenylamine	U		0.0259	0.342	1	05/06/2021 02:43	WG1663445
n-Nitrosodi-n-propylamine	U	J4	0.0114	0.342	1	05/06/2021 02:43	WG1663445
Phenanthrene	U	J4	0.00680	0.0342	1	05/06/2021 02:43	WG1663445
Benzylbutyl phthalate	U		0.0107	0.342	1	05/06/2021 02:43	WG1663445
Bis(2-ethylhexyl)phthalate	U		0.0434	0.342	1	05/06/2021 02:43	WG1663445
Di-n-butyl phthalate	U	J4	0.0117	0.342	1	05/06/2021 02:43	WG1663445
Diethyl phthalate	U		0.0113	0.342	1	05/06/2021 02:43	WG1663445
Dimethyl phthalate	U		0.0726	0.342	1	05/06/2021 02:43	WG1663445
Di-n-octyl phthalate	U		0.0231	0.342	1	05/06/2021 02:43	WG1663445
Pyrene	U		0.00666	0.0342	1	05/06/2021 02:43	WG1663445
1,2,4,5-Tetrachlorobenzene	U	J4	0.0164	0.342	1	05/06/2021 02:43	WG1663445
4-Chloro-3-methylphenol	U	J4	0.0111	0.342	1	05/06/2021 02:43	WG1663445
2-Chlorophenol	U	J4	0.0113	0.342	1	05/06/2021 02:43	WG1663445
2-Methylphenol	U	J4	0.0103	0.342	1	05/06/2021 02:43	WG1663445
3&4-Methyl Phenol	U		0.0107	0.342	1	05/06/2021 02:43	WG1663445
2,4-Dichlorophenol	U	J4	0.00998	0.342	1	05/06/2021 02:43	WG1663445
2,4-Dimethylphenol	U	J4	0.00895	0.342	1	05/06/2021 02:43	WG1663445
4,6-Dinitro-2-methylphenol	U	J4	0.0776	0.342	1	05/06/2021 02:43	WG1663445
2,4-Dinitrophenol	U		0.0801	0.342	1	05/06/2021 02:43	WG1663445
2-Nitrophenol	U	J4	0.0122	0.342	1	05/06/2021 02:43	WG1663445
4-Nitrophenol	U		0.0107	0.342	1	05/06/2021 02:43	WG1663445
Pentachlorophenol	U		0.00921	0.342	1	05/06/2021 02:43	WG1663445
Phenol	U		0.0138	0.342	1	05/06/2021 02:43	WG1663445
2,4,5-Trichlorophenol	U	J4	0.0116	0.342	1	05/06/2021 02:43	WG1663445
2,4,6-Trichlorophenol	U	J4	0.0110	0.342	1	05/06/2021 02:43	WG1663445
(S) 2-Fluorophenol	*84.7*			*30.0-130*		*05/06/2021 02:43*	WG1663445
(S) Phenol-d5	*76.3*			*30.0-130*		*05/06/2021 02:43*	WG1663445
(S) Nitrobenzene-d5	*68.7*			*30.0-130*		*05/06/2021 02:43*	WG1663445
(S) 2-Fluorobiphenyl	*81.2*			*30.0-130*		*05/06/2021 02:43*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*82.1*			*30.0-130*		*05/06/2021 02:43*	WG1663445
(S) p-Terphenyl-d14	*86.0*			*30.0-130*		*05/06/2021 02:43*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.186	J N	0.000	0.000	1	05/06/2021 02:43	WG1663445		
Unknown-01	0.137	J N	0.000	0.000	1	05/06/2021 02:43	WG1663445	000123-42-2	2.68
Unknown-02	0.0493	J N	0.000	0.000	1	05/06/2021 02:43	WG1663445	001738-25-6	3.42

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.8		1	05/04/2021 10:34	WG1663189

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0757	0.258	1	05/06/2021 22:43	WG1665185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0186	0.0413	1	05/04/2021 11:04	WG1661378

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	1310		6.28	10.3	1	05/03/2021 16:25	WG1662149
Antimony	U		0.562	2.07	1	05/03/2021 16:25	WG1662149
Arsenic	0.650	J	0.535	2.07	1	05/03/2021 16:25	WG1662149
Barium	4.14		0.0880	0.517	1	05/03/2021 16:25	WG1662149
Beryllium	0.142	J	0.0325	0.207	1	05/03/2021 16:25	WG1662149
Cadmium	U		0.0487	0.517	1	05/03/2021 16:25	WG1662149
Calcium	79.6	J	11.0	103	1	05/03/2021 16:25	WG1662149
Chromium	4.21		0.137	1.03	1	05/03/2021 16:25	WG1662149
Cobalt	0.658	J	0.0838	1.03	1	05/03/2021 16:25	WG1662149
Copper	1.41	J	0.413	2.07	1	05/03/2021 16:25	WG1662149
Iron	3360		2.31	10.3	1	05/03/2021 16:25	WG1662149
Lead	1.76		0.215	0.517	1	05/03/2021 16:25	WG1662149
Magnesium	209		7.63	103	1	05/03/2021 16:25	WG1662149
Manganese	5.05		0.137	1.03	1	05/03/2021 16:25	WG1662149
Nickel	1.15	J	0.136	2.07	1	05/03/2021 16:25	WG1662149
Potassium	464		21.6	103	1	05/03/2021 16:25	WG1662149
Selenium	U		0.789	2.07	1	05/03/2021 16:25	WG1662149
Silver	U		0.131	1.03	1	05/03/2021 16:25	WG1662149
Sodium	U		42.6	103	1	05/03/2021 16:25	WG1662149
Thallium	U		0.407	2.07	1	05/03/2021 16:25	WG1662149
Vanadium	7.44		0.523	2.07	1	05/03/2021 16:25	WG1662149
Zinc	4.66	J	0.860	5.17	1	05/03/2021 16:25	WG1662149

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0214	0.0517	1	05/06/2021 19:52	WG1665562
Benzene	U		0.000387	0.00103	1	05/06/2021 19:52	WG1665562
Bromochloromethane	U		0.000346	0.00103	1	05/06/2021 19:52	WG1665562
Bromodichloromethane	U		0.000749	0.00103	1	05/06/2021 19:52	WG1665562
Bromoform	U		0.000438	0.00103	1	05/06/2021 19:52	WG1665562
Bromomethane	U		0.00121	0.00517	1	05/06/2021 19:52	WG1665562
Carbon disulfide	U		0.000723	0.00103	1	05/06/2021 19:52	WG1665562
Carbon tetrachloride	U		0.000256	0.00103	1	05/06/2021 19:52	WG1665562
Chlorobenzene	U		0.000198	0.00103	1	05/06/2021 19:52	WG1665562
Chlorodibromomethane	U		0.000231	0.00103	1	05/06/2021 19:52	WG1665562
Chloroethane	U		0.00103	0.00517	1	05/06/2021 19:52	WG1665562
Chloroform	U		0.00106	0.00517	1	05/06/2021 19:52	WG1665562
Chloromethane	U		0.000672	0.00258	1	05/06/2021 19:52	WG1665562

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000277	0.00103	1	05/06/2021 19:52	WG1665562
1,2-Dibromo-3-Chloropropane	U		0.00196	0.00517	1	05/06/2021 19:52	WG1665562
1,2-Dibromoethane	U		0.000258	0.00103	1	05/06/2021 19:52	WG1665562
Dichlorodifluoromethane	U		0.000297	0.00517	1	05/06/2021 19:52	WG1665562
1,1-Dichloroethane	U		0.000277	0.00103	1	05/06/2021 19:52	WG1665562
1,2-Dichloroethane	U		0.000465	0.00103	1	05/06/2021 19:52	WG1665562
1,2-Dichlorobenzene	U		0.000439	0.00103	1	05/06/2021 19:52	WG1665562
1,3-Dichlorobenzene	U		0.000620	0.00103	1	05/06/2021 19:52	WG1665562
1,4-Dichlorobenzene	U		0.000858	0.00103	1	05/06/2021 19:52	WG1665562
1,1-Dichloroethene	U		0.000367	0.00103	1	05/06/2021 19:52	WG1665562
cis-1,2-Dichloroethene	U		0.000491	0.00103	1	05/06/2021 19:52	WG1665562
trans-1,2-Dichloroethene	U		0.000517	0.00103	1	05/06/2021 19:52	WG1665562
1,2-Dichloropropane	U		0.000169	0.00103	1	05/06/2021 19:52	WG1665562
cis-1,3-Dichloropropene	U		0.000439	0.00103	1	05/06/2021 19:52	WG1665562
trans-1,3-Dichloropropene	U		0.000697	0.00103	1	05/06/2021 19:52	WG1665562
Ethylbenzene	U		0.000310	0.00103	1	05/06/2021 19:52	WG1665562
2-Hexanone	U		0.00185	0.0103	1	05/06/2021 19:52	WG1665562
Isopropylbenzene	U		0.000439	0.00103	1	05/06/2021 19:52	WG1665562
2-Butanone (MEK)	U		0.00484	0.0103	1	05/06/2021 19:52	WG1665562
Methyl Acetate	U		0.00310	0.0207	1	05/06/2021 19:52	WG1665562
Methyl Cyclohexane	U		0.000801	0.00103	1	05/06/2021 19:52	WG1665562
Methylene Chloride	U		0.00103	0.00517	1	05/06/2021 19:52	WG1665562
4-Methyl-2-pentanone (MIBK)	U		0.000982	0.0103	1	05/06/2021 19:52	WG1665562
Methyl tert-butyl ether	U		0.000362	0.00103	1	05/06/2021 19:52	WG1665562
Styrene	U		0.000230	0.00103	1	05/06/2021 19:52	WG1665562
1,1,2,2-Tetrachloroethane	U		0.000239	0.00103	1	05/06/2021 19:52	WG1665562
Tetrachloroethene	U		0.000336	0.00103	1	05/06/2021 19:52	WG1665562
Toluene	U		0.00127	0.00517	1	05/06/2021 19:52	WG1665562
1,2,3-Trichlorobenzene	U		0.000316	0.00103	1	05/06/2021 19:52	WG1665562
1,2,4-Trichlorobenzene	U		0.000401	0.00103	1	05/06/2021 19:52	WG1665562
1,1,1-Trichloroethane	U		0.000382	0.00103	1	05/06/2021 19:52	WG1665562
1,1,2-Trichloroethane	U		0.000439	0.00103	1	05/06/2021 19:52	WG1665562
Trichloroethene	U		0.000207	0.00103	1	05/06/2021 19:52	WG1665562
Trichlorofluoromethane	U		0.000368	0.00517	1	05/06/2021 19:52	WG1665562
1,1,2-Trichlorotrifluoroethane	U		0.000440	0.00103	1	05/06/2021 19:52	WG1665562
Vinyl chloride	U		0.000234	0.00103	1	05/06/2021 19:52	WG1665562
Xylenes, Total	U		0.000517	0.00310	1	05/06/2021 19:52	WG1665562
(S) Toluene-d8	*107*			*75.0-131*		*05/06/2021 19:52*	WG1665562
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/06/2021 19:52*	WG1665562
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*05/06/2021 19:52*	WG1665562

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/06/2021 19:52	WG1665562		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

TPH by Method NJDEP EPH

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
EPH Screen	U		7.34	20.7	1	05/05/2021 21:33	WG1664182
(S) o-Terphenyl	*80.3*		*6.67*	*40.0-140*		*05/05/2021 21:33*	WG1664182

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00389	0.0207	1	05/06/2021 13:15	WG1663467
Alpha BHC	U		0.00380	0.0207	1	05/06/2021 13:15	WG1663467
Beta BHC	U		0.00392	0.0207	1	05/06/2021 13:15	WG1663467
Delta BHC	U		0.00358	0.0207	1	05/06/2021 13:15	WG1663467
Gamma BHC	U		0.00355	0.0207	1	05/06/2021 13:15	WG1663467
Chlordane	U		0.106	0.310	1	05/06/2021 13:15	WG1663467
4,4-DDD	U		0.00382	0.0207	1	05/06/2021 13:15	WG1663467
4,4-DDE	U		0.00378	0.0207	1	05/06/2021 13:15	WG1663467
4,4-DDT	U		0.00648	0.0207	1	05/06/2021 13:15	WG1663467
Dieldrin	U		0.00355	0.0207	1	05/06/2021 13:15	WG1663467
Endosulfan I	U		0.00375	0.0207	1	05/06/2021 13:15	WG1663467
Endosulfan II	U		0.00346	0.0207	1	05/06/2021 13:15	WG1663467
Endosulfan sulfate	U		0.00376	0.0207	1	05/06/2021 13:15	WG1663467
Endrin	U		0.00362	0.0207	1	05/06/2021 13:15	WG1663467
Endrin aldehyde	U		0.00350	0.0207	1	05/06/2021 13:15	WG1663467
Endrin ketone	U		0.00735	0.0207	1	05/06/2021 13:15	WG1663467
Hexachlorobenzene	U		0.00358	0.0207	1	05/06/2021 13:15	WG1663467
Heptachlor	U		0.00442	0.0207	1	05/06/2021 13:15	WG1663467
Heptachlor epoxide	U		0.00350	0.0207	1	05/06/2021 13:15	WG1663467
Methoxychlor	U		0.00500	0.0207	1	05/06/2021 13:15	WG1663467
Toxaphene	U		0.128	0.413	1	05/06/2021 13:15	WG1663467
(S) Decachlorobiphenyl	*91.7*			*30.0-150*		*05/06/2021 13:15*	WG1663467
(S) Tetrachloro-m-xylene	*92.6*			*30.0-150*		*05/06/2021 13:15*	WG1663467

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0122	0.0351	1	05/05/2021 16:34	WG1663467
PCB 1221	U		0.0122	0.0351	1	05/05/2021 16:34	WG1663467
PCB 1232	U		0.0122	0.0351	1	05/05/2021 16:34	WG1663467
PCB 1242	U		0.0122	0.0351	1	05/05/2021 16:34	WG1663467
PCB 1248	U		0.00763	0.0176	1	05/05/2021 16:34	WG1663467
PCB 1254	U		0.00763	0.0176	1	05/05/2021 16:34	WG1663467
PCB 1260	U		0.00763	0.0176	1	05/05/2021 16:34	WG1663467
Total PCBs	U		0.00763	0.0176	1	05/05/2021 16:34	WG1663467
(S) Decachlorobiphenyl	*95.9*			*30.0-150*		*05/05/2021 16:34*	WG1663467
(S) Tetrachloro-m-xylene	*87.7*			*30.0-150*		*05/05/2021 16:34*	WG1663467

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00557	0.0344	1	05/06/2021 03:03	WG1663445
Acenaphthylene	U	J4	0.00485	0.0344	1	05/06/2021 03:03	WG1663445
Acetophenone	U		0.0107	0.344	1	05/06/2021 03:03	WG1663445
Anthracene	U	J4	0.00613	0.0344	1	05/06/2021 03:03	WG1663445
Atrazine	U		0.0119	0.344	1	05/06/2021 03:03	WG1663445
Benzaldehyde	U		0.0183	0.344	1	05/06/2021 03:03	WG1663445
Benzo(a)anthracene	U		0.00607	0.0344	1	05/06/2021 03:03	WG1663445
Benzo(b)fluoranthene	U		0.00642	0.0344	1	05/06/2021 03:03	WG1663445
Benzo(k)fluoranthene	U		0.00612	0.0344	1	05/06/2021 03:03	WG1663445
Benzo(g,h,i)perylene	U		0.00629	0.0344	1	05/06/2021 03:03	WG1663445
Benzo(a)pyrene	U		0.00640	0.0344	1	05/06/2021 03:03	WG1663445
Biphenyl	U	J4	0.0110	0.344	1	05/06/2021 03:03	WG1663445
Bis(2-chlorethoxy)methane	U	J4	0.0103	0.344	1	05/06/2021 03:03	WG1663445
Bis(2-chloroethyl)ether	U	J4	0.0114	0.344	1	05/06/2021 03:03	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0149	0.344	1	05/06/2021 03:03	WG1663445
4-Bromophenyl-phenylether	U		0.0121	0.344	1	05/06/2021 03:03	WG1663445
Caprolactam	U		0.0170	0.344	1	05/06/2021 03:03	WG1663445
Carbazole	U		0.0106	0.344	1	05/06/2021 03:03	WG1663445
4-Chloroaniline	U	J4	0.0124	0.344	1	05/06/2021 03:03	WG1663445
2-Chloronaphthalene	U	J4	0.00604	0.0344	1	05/06/2021 03:03	WG1663445
4-Chlorophenyl-phenylether	U	J4	0.0120	0.344	1	05/06/2021 03:03	WG1663445
Chrysene	U		0.00684	0.0344	1	05/06/2021 03:03	WG1663445
Dibenz(a,h)anthracene	U		0.00954	0.0344	1	05/06/2021 03:03	WG1663445
Dibenzofuran	U	J4	0.0113	0.344	1	05/06/2021 03:03	WG1663445
3,3-Dichlorobenzidine	U		0.0127	0.344	1	05/06/2021 03:03	WG1663445
2,4-Dinitrotoluene	U		0.00987	0.344	1	05/06/2021 03:03	WG1663445
2,6-Dinitrotoluene	U		0.0113	0.344	1	05/06/2021 03:03	WG1663445
Fluoranthene	U		0.00621	0.0344	1	05/06/2021 03:03	WG1663445
Fluorene	U	J4	0.00560	0.0344	1	05/06/2021 03:03	WG1663445
Hexachlorobenzene	U		0.0122	0.344	1	05/06/2021 03:03	WG1663445
Hexachloro-1,3-butadiene	U	J4	0.0116	0.344	1	05/06/2021 03:03	WG1663445
Hexachlorocyclopentadiene	U		0.0181	0.344	1	05/06/2021 03:03	WG1663445
Hexachloroethane	U		0.0135	0.344	1	05/06/2021 03:03	WG1663445
Indeno(1,2,3-cd)pyrene	U		0.00972	0.0344	1	05/06/2021 03:03	WG1663445
Isophorone	U	J4	0.0105	0.344	1	05/06/2021 03:03	WG1663445
2-Methylnaphthalene	U	J4	0.00446	0.0344	1	05/06/2021 03:03	WG1663445
Naphthalene	U	J4	0.00864	0.0344	1	05/06/2021 03:03	WG1663445
2-Nitroaniline	U		0.0111	0.344	1	05/06/2021 03:03	WG1663445
3-Nitroaniline	U		0.0110	0.344	1	05/06/2021 03:03	WG1663445
4-Nitroaniline	U		0.0100	0.344	1	05/06/2021 03:03	WG1663445
Nitrobenzene	U	J4	0.0120	0.344	1	05/06/2021 03:03	WG1663445
n-Nitrosodiphenylamine	U		0.0260	0.344	1	05/06/2021 03:03	WG1663445
n-Nitrosodi-n-propylamine	U	J4	0.0115	0.344	1	05/06/2021 03:03	WG1663445
Phenanthrene	U	J4	0.00683	0.0344	1	05/06/2021 03:03	WG1663445
Benzylbutyl phthalate	U		0.0107	0.344	1	05/06/2021 03:03	WG1663445
Bis(2-ethylhexyl)phthalate	U		0.0436	0.344	1	05/06/2021 03:03	WG1663445
Di-n-butyl phthalate	U	J4	0.0118	0.344	1	05/06/2021 03:03	WG1663445
Diethyl phthalate	U		0.0114	0.344	1	05/06/2021 03:03	WG1663445
Dimethyl phthalate	U		0.0730	0.344	1	05/06/2021 03:03	WG1663445
Di-n-octyl phthalate	U		0.0232	0.344	1	05/06/2021 03:03	WG1663445
Pyrene	U		0.00670	0.0344	1	05/06/2021 03:03	WG1663445
1,2,4,5-Tetrachlorobenzene	U	J4	0.0164	0.344	1	05/06/2021 03:03	WG1663445
4-Chloro-3-methylphenol	U	J4	0.0112	0.344	1	05/06/2021 03:03	WG1663445
2-Chlorophenol	U	J4	0.0114	0.344	1	05/06/2021 03:03	WG1663445
2-Methylphenol	U	J4	0.0103	0.344	1	05/06/2021 03:03	WG1663445
3&4-Methyl Phenol	U		0.0107	0.344	1	05/06/2021 03:03	WG1663445
2,4-Dichlorophenol	U	J4	0.0100	0.344	1	05/06/2021 03:03	WG1663445
2,4-Dimethylphenol	U	J4	0.00899	0.344	1	05/06/2021 03:03	WG1663445
4,6-Dinitro-2-methylphenol	U	J4	0.0780	0.344	1	05/06/2021 03:03	WG1663445
2,4-Dinitrophenol	U		0.0805	0.344	1	05/06/2021 03:03	WG1663445
2-Nitrophenol	U	J4	0.0123	0.344	1	05/06/2021 03:03	WG1663445
4-Nitrophenol	U		0.0107	0.344	1	05/06/2021 03:03	WG1663445
Pentachlorophenol	U		0.00926	0.344	1	05/06/2021 03:03	WG1663445
Phenol	U		0.0138	0.344	1	05/06/2021 03:03	WG1663445
2,4,5-Trichlorophenol	U	J4	0.0117	0.344	1	05/06/2021 03:03	WG1663445
2,4,6-Trichlorophenol	U	J4	0.0111	0.344	1	05/06/2021 03:03	WG1663445
(S) 2-Fluorophenol	*85.2*			*30.0-130*		*05/06/2021 03:03*	WG1663445
(S) Phenol-d5	*77.5*			*30.0-130*		*05/06/2021 03:03*	WG1663445
(S) Nitrobenzene-d5	*69.5*			*30.0-130*		*05/06/2021 03:03*	WG1663445
(S) 2-Fluorobiphenyl	*82.2*			*30.0-130*		*05/06/2021 03:03*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*82.2*			*30.0-130*		*05/06/2021 03:03*	WG1663445
(S) p-Terphenyl-d14	*83.4*			*30.0-130*		*05/06/2021 03:03*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.204	J N	0.000	0.000	1	05/06/2021 03:03	WG1663445		
Unknown-01	0.149	J N	0.000	0.000	1	05/06/2021 03:03	WG1663445	000123-42-2	2.68
Unknown-02	0.0549	J N	0.000	0.000	1	05/06/2021 03:03	WG1663445	001738-25-6	3.41

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	05/04/2021 10:34	WG1663189

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0793	0.270	1	05/06/2021 22:44	WG1665185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0195	0.0433	1	05/04/2021 11:07	WG1661378

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	1510		6.58	10.8	1	05/03/2021 16:33	WG1662149
Antimony	U		0.588	2.16	1	05/03/2021 16:33	WG1662149
Arsenic	U		0.560	2.16	1	05/03/2021 16:33	WG1662149
Barium	7.16		0.0922	0.541	1	05/03/2021 16:33	WG1662149
Beryllium	0.176	J	0.0341	0.216	1	05/03/2021 16:33	WG1662149
Cadmium	U		0.0510	0.541	1	05/03/2021 16:33	WG1662149
Calcium	241		11.5	108	1	05/03/2021 16:33	WG1662149
Chromium	7.35		0.144	1.08	1	05/03/2021 16:33	WG1662149
Cobalt	0.328	J	0.0877	1.08	1	05/03/2021 16:33	WG1662149
Copper	3.23		0.433	2.16	1	05/03/2021 16:33	WG1662149
Iron	1460		2.42	10.8	1	05/03/2021 16:33	WG1662149
Lead	5.16		0.225	0.541	1	05/03/2021 16:33	WG1662149
Magnesium	316		7.98	108	1	05/03/2021 16:33	WG1662149
Manganese	1.62	B	0.144	1.08	1	05/03/2021 16:33	WG1662149
Nickel	0.962	J	0.143	2.16	1	05/03/2021 16:33	WG1662149
Potassium	340		22.6	108	1	05/03/2021 16:33	WG1662149
Selenium	U		0.826	2.16	1	05/03/2021 16:33	WG1662149
Silver	U		0.137	1.08	1	05/03/2021 16:33	WG1662149
Sodium	U		44.6	108	1	05/03/2021 16:33	WG1662149
Thallium	0.500	J	0.426	2.16	1	05/03/2021 16:33	WG1662149
Vanadium	3.32		0.547	2.16	1	05/03/2021 16:33	WG1662149
Zinc	2.18	J	0.900	5.41	1	05/03/2021 16:33	WG1662149

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	J4	0.0224	0.0541	1	05/06/2021 20:14	WG1665562
Benzene	U		0.000406	0.00108	1	05/06/2021 20:14	WG1665562
Bromochloromethane	U		0.000362	0.00108	1	05/06/2021 20:14	WG1665562
Bromodichloromethane	U		0.000784	0.00108	1	05/06/2021 20:14	WG1665562
Bromoform	U		0.000459	0.00108	1	05/06/2021 20:14	WG1665562
Bromomethane	U		0.00127	0.00541	1	05/06/2021 20:14	WG1665562
Carbon disulfide	U		0.000757	0.00108	1	05/06/2021 20:14	WG1665562
Carbon tetrachloride	U		0.000268	0.00108	1	05/06/2021 20:14	WG1665562
Chlorobenzene	U		0.000208	0.00108	1	05/06/2021 20:14	WG1665562
Chlorodibromomethane	U		0.000242	0.00108	1	05/06/2021 20:14	WG1665562
Chloroethane	U		0.00108	0.00541	1	05/06/2021 20:14	WG1665562
Chloroform	U		0.00111	0.00541	1	05/06/2021 20:14	WG1665562
Chloromethane	U		0.000703	0.00270	1	05/06/2021 20:14	WG1665562

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000290	0.00108	1	05/06/2021 20:14	WG1665562
1,2-Dibromo-3-Chloropropane	U		0.00206	0.00541	1	05/06/2021 20:14	WG1665562
1,2-Dibromoethane	U		0.000270	0.00108	1	05/06/2021 20:14	WG1665562
Dichlorodifluoromethane	U		0.000310	0.00541	1	05/06/2021 20:14	WG1665562
1,1-Dichloroethane	U		0.000290	0.00108	1	05/06/2021 20:14	WG1665562
1,2-Dichloroethane	U		0.000487	0.00108	1	05/06/2021 20:14	WG1665562
1,2-Dichlorobenzene	U		0.000460	0.00108	1	05/06/2021 20:14	WG1665562
1,3-Dichlorobenzene	U		0.000649	0.00108	1	05/06/2021 20:14	WG1665562
1,4-Dichlorobenzene	U		0.000898	0.00108	1	05/06/2021 20:14	WG1665562
1,1-Dichloroethene	U		0.000384	0.00108	1	05/06/2021 20:14	WG1665562
cis-1,2-Dichloroethene	U		0.000514	0.00108	1	05/06/2021 20:14	WG1665562
trans-1,2-Dichloroethene	U		0.000541	0.00108	1	05/06/2021 20:14	WG1665562
1,2-Dichloropropane	U		0.000177	0.00108	1	05/06/2021 20:14	WG1665562
cis-1,3-Dichloropropene	U		0.000460	0.00108	1	05/06/2021 20:14	WG1665562
trans-1,3-Dichloropropene	U		0.000730	0.00108	1	05/06/2021 20:14	WG1665562
Ethylbenzene	U		0.000325	0.00108	1	05/06/2021 20:14	WG1665562
2-Hexanone	U		0.00194	0.0108	1	05/06/2021 20:14	WG1665562
Isopropylbenzene	U		0.000460	0.00108	1	05/06/2021 20:14	WG1665562
2-Butanone (MEK)	U		0.00506	0.0108	1	05/06/2021 20:14	WG1665562
Methyl Acetate	U		0.00325	0.0216	1	05/06/2021 20:14	WG1665562
Methyl Cyclohexane	U		0.000838	0.00108	1	05/06/2021 20:14	WG1665562
Methylene Chloride	U		0.00108	0.00541	1	05/06/2021 20:14	WG1665562
4-Methyl-2-pentanone (MIBK)	U		0.00103	0.0108	1	05/06/2021 20:14	WG1665562
Methyl tert-butyl ether	U		0.000379	0.00108	1	05/06/2021 20:14	WG1665562
Styrene	U		0.000241	0.00108	1	05/06/2021 20:14	WG1665562
1,1,2,2-Tetrachloroethane	U		0.000250	0.00108	1	05/06/2021 20:14	WG1665562
Tetrachloroethene	U		0.000352	0.00108	1	05/06/2021 20:14	WG1665562
Toluene	U		0.00133	0.00541	1	05/06/2021 20:14	WG1665562
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	05/06/2021 20:14	WG1665562
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	05/06/2021 20:14	WG1665562
1,1,1-Trichloroethane	U		0.000400	0.00108	1	05/06/2021 20:14	WG1665562
1,1,2-Trichloroethane	U		0.000460	0.00108	1	05/06/2021 20:14	WG1665562
Trichloroethene	U		0.000216	0.00108	1	05/06/2021 20:14	WG1665562
Trichlorofluoromethane	U		0.000385	0.00541	1	05/06/2021 20:14	WG1665562
1,1,2-Trichlorotrifluoroethane	U		0.000461	0.00108	1	05/06/2021 20:14	WG1665562
Vinyl chloride	U		0.000244	0.00108	1	05/06/2021 20:14	WG1665562
Xylenes, Total	U		0.000541	0.00325	1	05/06/2021 20:14	WG1665562
(S) Toluene-d8	*108*			*75.0-131*		*05/06/2021 20:14*	WG1665562
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/06/2021 20:14*	WG1665562
(S) 1,2-Dichloroethane-d4	*126*			*70.0-130*		*05/06/2021 20:14*	WG1665562

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/06/2021 20:14	WG1665562		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

TPH by Method NJDEP EPH

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
EPH Screen	U		7.68	21.6	1	05/05/2021 21:46	WG1664182
(S) o-Terphenyl	*81.3*		*6.67*	*40.0-140*		*05/05/2021 21:46*	WG1664182

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00407	0.0216	1	05/06/2021 13:30	WG1663467
Alpha BHC	U		0.00398	0.0216	1	05/06/2021 13:30	WG1663467
Beta BHC	U		0.00410	0.0216	1	05/06/2021 13:30	WG1663467
Delta BHC	U		0.00374	0.0216	1	05/06/2021 13:30	WG1663467
Gamma BHC	U		0.00372	0.0216	1	05/06/2021 13:30	WG1663467
Chlordane	U		0.111	0.325	1	05/06/2021 13:30	WG1663467
4,4-DDD	U		0.00400	0.0216	1	05/06/2021 13:30	WG1663467
4,4-DDE	U		0.00396	0.0216	1	05/06/2021 13:30	WG1663467
4,4-DDT	U		0.00678	0.0216	1	05/06/2021 13:30	WG1663467
Dieldrin	U		0.00372	0.0216	1	05/06/2021 13:30	WG1663467
Endosulfan I	U		0.00393	0.0216	1	05/06/2021 13:30	WG1663467
Endosulfan II	U		0.00362	0.0216	1	05/06/2021 13:30	WG1663467
Endosulfan sulfate	U		0.00394	0.0216	1	05/06/2021 13:30	WG1663467
Endrin	U		0.00379	0.0216	1	05/06/2021 13:30	WG1663467
Endrin aldehyde	U		0.00367	0.0216	1	05/06/2021 13:30	WG1663467
Endrin ketone	U		0.00769	0.0216	1	05/06/2021 13:30	WG1663467
Hexachlorobenzene	U		0.00374	0.0216	1	05/06/2021 13:30	WG1663467
Heptachlor	U		0.00463	0.0216	1	05/06/2021 13:30	WG1663467
Heptachlor epoxide	U		0.00367	0.0216	1	05/06/2021 13:30	WG1663467
Methoxychlor	U		0.00524	0.0216	1	05/06/2021 13:30	WG1663467
Toxaphene	U		0.134	0.433	1	05/06/2021 13:30	WG1663467
(S) Decachlorobiphenyl	*84.8*			*30.0-150*		*05/06/2021 13:30*	WG1663467
(S) Tetrachloro-m-xylene	*85.9*			*30.0-150*		*05/06/2021 13:30*	WG1663467

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0128	0.0368	1	05/05/2021 16:44	WG1663467
PCB 1221	U		0.0128	0.0368	1	05/05/2021 16:44	WG1663467
PCB 1232	U		0.0128	0.0368	1	05/05/2021 16:44	WG1663467
PCB 1242	U		0.0128	0.0368	1	05/05/2021 16:44	WG1663467
PCB 1248	U		0.00798	0.0184	1	05/05/2021 16:44	WG1663467
PCB 1254	U		0.00798	0.0184	1	05/05/2021 16:44	WG1663467
PCB 1260	U		0.00798	0.0184	1	05/05/2021 16:44	WG1663467
Total PCBs	U		0.00798	0.0184	1	05/05/2021 16:44	WG1663467
(S) Decachlorobiphenyl	*90.8*			*30.0-150*		*05/05/2021 16:44*	WG1663467
(S) Tetrachloro-m-xylene	*84.7*			*30.0-150*		*05/05/2021 16:44*	WG1663467

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00583	0.0360	1	05/06/2021 03:24	WG1663445
Acenaphthylene	U	J4	0.00507	0.0360	1	05/06/2021 03:24	WG1663445
Acetophenone	U		0.0113	0.360	1	05/06/2021 03:24	WG1663445
Anthracene	U	J4	0.00641	0.0360	1	05/06/2021 03:24	WG1663445
Atrazine	U		0.0124	0.360	1	05/06/2021 03:24	WG1663445
Benzaldehyde	U		0.0191	0.360	1	05/06/2021 03:24	WG1663445
Benzo(a)anthracene	U		0.00635	0.0360	1	05/06/2021 03:24	WG1663445
Benzo(b)fluoranthene	U		0.00672	0.0360	1	05/06/2021 03:24	WG1663445
Benzo(k)fluoranthene	U		0.00640	0.0360	1	05/06/2021 03:24	WG1663445
Benzo(g,h,i)perylene	U		0.00659	0.0360	1	05/06/2021 03:24	WG1663445
Benzo(a)pyrene	U		0.00670	0.0360	1	05/06/2021 03:24	WG1663445
Biphenyl	U	J4	0.0115	0.360	1	05/06/2021 03:24	WG1663445
Bis(2-chlorethoxy)methane	U	J4	0.0108	0.360	1	05/06/2021 03:24	WG1663445
Bis(2-chloroethyl)ether	U	J4	0.0119	0.360	1	05/06/2021 03:24	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0156	0.360	1	05/06/2021 03:24	WG1663445
4-Bromophenyl-phenylether	U		0.0127	0.360	1	05/06/2021 03:24	WG1663445
Caprolactam	U		0.0178	0.360	1	05/06/2021 03:24	WG1663445
Carbazole	U		0.0111	0.360	1	05/06/2021 03:24	WG1663445
4-Chloroaniline	U	J4	0.0130	0.360	1	05/06/2021 03:24	WG1663445
2-Chloronaphthalene	U	J4	0.00633	0.0360	1	05/06/2021 03:24	WG1663445
4-Chlorophenyl-phenylether	U	J4	0.0125	0.360	1	05/06/2021 03:24	WG1663445
Chrysene	U		0.00716	0.0360	1	05/06/2021 03:24	WG1663445
Dibenz(a,h)anthracene	U		0.00998	0.0360	1	05/06/2021 03:24	WG1663445
Dibenzofuran	U	J4	0.0118	0.360	1	05/06/2021 03:24	WG1663445
3,3-Dichlorobenzidine	U		0.0133	0.360	1	05/06/2021 03:24	WG1663445
2,4-Dinitrotoluene	U		0.0103	0.360	1	05/06/2021 03:24	WG1663445
2,6-Dinitrotoluene	U		0.0118	0.360	1	05/06/2021 03:24	WG1663445
Fluoranthene	U		0.00650	0.0360	1	05/06/2021 03:24	WG1663445
Fluorene	U	J4	0.00586	0.0360	1	05/06/2021 03:24	WG1663445
Hexachlorobenzene	U		0.0128	0.360	1	05/06/2021 03:24	WG1663445
Hexachloro-1,3-butadiene	U	J4	0.0121	0.360	1	05/06/2021 03:24	WG1663445
Hexachlorocyclopentadiene	U		0.0189	0.360	1	05/06/2021 03:24	WG1663445
Hexachloroethane	U		0.0142	0.360	1	05/06/2021 03:24	WG1663445
Indeno(1,2,3-cd)pyrene	U		0.0102	0.0360	1	05/06/2021 03:24	WG1663445
Isophorone	U	J4	0.0110	0.360	1	05/06/2021 03:24	WG1663445
2-Methylnaphthalene	U	J4	0.00467	0.0360	1	05/06/2021 03:24	WG1663445
Naphthalene	U	J4	0.00904	0.0360	1	05/06/2021 03:24	WG1663445
2-Nitroaniline	U		0.0116	0.360	1	05/06/2021 03:24	WG1663445
3-Nitroaniline	U		0.0115	0.360	1	05/06/2021 03:24	WG1663445
4-Nitroaniline	U		0.0105	0.360	1	05/06/2021 03:24	WG1663445
Nitrobenzene	U	J4	0.0125	0.360	1	05/06/2021 03:24	WG1663445
n-Nitrosodiphenylamine	U		0.0273	0.360	1	05/06/2021 03:24	WG1663445
n-Nitrosodi-n-propylamine	U	J4	0.0120	0.360	1	05/06/2021 03:24	WG1663445
Phenanthrene	U	J4	0.00715	0.0360	1	05/06/2021 03:24	WG1663445
Benzylbutyl phthalate	U		0.0113	0.360	1	05/06/2021 03:24	WG1663445
Bis(2-ethylhexyl)phthalate	U		0.0456	0.360	1	05/06/2021 03:24	WG1663445
Di-n-butyl phthalate	U	J4	0.0123	0.360	1	05/06/2021 03:24	WG1663445
Diethyl phthalate	U		0.0119	0.360	1	05/06/2021 03:24	WG1663445
Dimethyl phthalate	U		0.0764	0.360	1	05/06/2021 03:24	WG1663445
Di-n-octyl phthalate	U		0.0243	0.360	1	05/06/2021 03:24	WG1663445
Pyrene	U		0.00701	0.0360	1	05/06/2021 03:24	WG1663445
1,2,4,5-Tetrachlorobenzene	U	J4	0.0172	0.360	1	05/06/2021 03:24	WG1663445
4-Chloro-3-methylphenol	U	J4	0.0117	0.360	1	05/06/2021 03:24	WG1663445
2-Chlorophenol	U	J4	0.0119	0.360	1	05/06/2021 03:24	WG1663445
2-Methylphenol	U	J4	0.0108	0.360	1	05/06/2021 03:24	WG1663445
3&4-Methyl Phenol	U		0.0113	0.360	1	05/06/2021 03:24	WG1663445
2,4-Dichlorophenol	U	J4	0.0105	0.360	1	05/06/2021 03:24	WG1663445
2,4-Dimethylphenol	U	J4	0.00941	0.360	1	05/06/2021 03:24	WG1663445
4,6-Dinitro-2-methylphenol	U	J4	0.0817	0.360	1	05/06/2021 03:24	WG1663445
2,4-Dinitrophenol	U		0.0843	0.360	1	05/06/2021 03:24	WG1663445
2-Nitrophenol	U	J4	0.0129	0.360	1	05/06/2021 03:24	WG1663445
4-Nitrophenol	U		0.0113	0.360	1	05/06/2021 03:24	WG1663445
Pentachlorophenol	U		0.00969	0.360	1	05/06/2021 03:24	WG1663445
Phenol	U		0.0145	0.360	1	05/06/2021 03:24	WG1663445
2,4,5-Trichlorophenol	U	J4	0.0122	0.360	1	05/06/2021 03:24	WG1663445
2,4,6-Trichlorophenol	U	J4	0.0116	0.360	1	05/06/2021 03:24	WG1663445
(S) 2-Fluorophenol	*79.1*			*30.0-130*		*05/06/2021 03:24*	WG1663445
(S) Phenol-d5	*70.8*			*30.0-130*		*05/06/2021 03:24*	WG1663445
(S) Nitrobenzene-d5	*63.0*			*30.0-130*		*05/06/2021 03:24*	WG1663445
(S) 2-Fluorobiphenyl	*76.4*			*30.0-130*		*05/06/2021 03:24*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*75.9*			*30.0-130*		*05/06/2021 03:24*	WG1663445
(S) p-Terphenyl-d14	*78.2*			*30.0-130*		*05/06/2021 03:24*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.202	J N	0.000	0.000	1	05/06/2021 03:24	WG1663445		
Unknown-01	0.143	J N	0.000	0.000	1	05/06/2021 03:24	WG1663445	000123-42-2	2.68
Unknown-02	0.0595	J N	0.000	0.000	1	05/06/2021 03:24	WG1663445	015827-56-2	3.40

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.4		1	05/04/2021 10:34	WG1663189

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0794	0.271	1	05/06/2021 22:45	WG1665185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0195	0.0433	1	05/04/2021 11:09	WG1661378

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	4380		6.58	10.8	1	05/03/2021 16:36	WG1662149
Antimony	U		0.589	2.17	1	05/03/2021 16:36	WG1662149
Arsenic	0.839	J	0.561	2.17	1	05/03/2021 16:36	WG1662149
Barium	16.7		0.0922	0.541	1	05/03/2021 16:36	WG1662149
Beryllium	0.291		0.0341	0.217	1	05/03/2021 16:36	WG1662149
Cadmium	0.0583	J	0.0510	0.541	1	05/03/2021 16:36	WG1662149
Calcium	437		11.5	108	1	05/03/2021 16:36	WG1662149
Chromium	7.05		0.144	1.08	1	05/03/2021 16:36	WG1662149
Cobalt	1.58		0.0878	1.08	1	05/03/2021 16:36	WG1662149
Copper	4.28		0.433	2.17	1	05/03/2021 16:36	WG1662149
Iron	4700		2.42	10.8	1	05/03/2021 16:36	WG1662149
Lead	4.32		0.225	0.541	1	05/03/2021 16:36	WG1662149
Magnesium	366		7.99	108	1	05/03/2021 16:36	WG1662149
Manganese	9.05		0.144	1.08	1	05/03/2021 16:36	WG1662149
Nickel	1.65	J	0.143	2.17	1	05/03/2021 16:36	WG1662149
Potassium	1090		22.6	108	1	05/03/2021 16:36	WG1662149
Selenium	0.872	B J	0.827	2.17	1	05/03/2021 16:36	WG1662149
Silver	U		0.137	1.08	1	05/03/2021 16:36	WG1662149
Sodium	U		44.6	108	1	05/03/2021 16:36	WG1662149
Thallium	U		0.427	2.17	1	05/03/2021 16:36	WG1662149
Vanadium	12.4		0.548	2.17	1	05/03/2021 16:36	WG1662149
Zinc	4.81	J	0.901	5.41	1	05/03/2021 16:36	WG1662149

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0224	0.0541	1	05/07/2021 14:00	WG1666269
Benzene	U		0.000406	0.00108	1	05/07/2021 14:00	WG1666269
Bromochloromethane	U		0.000363	0.00108	1	05/07/2021 14:00	WG1666269
Bromodichloromethane	U		0.000785	0.00108	1	05/07/2021 14:00	WG1666269
Bromoform	U		0.000459	0.00108	1	05/07/2021 14:00	WG1666269
Bromomethane	U		0.00127	0.00541	1	05/07/2021 14:00	WG1666269
Carbon disulfide	U		0.000758	0.00108	1	05/07/2021 14:00	WG1666269
Carbon tetrachloride	U		0.000268	0.00108	1	05/07/2021 14:00	WG1666269
Chlorobenzene	U		0.000208	0.00108	1	05/07/2021 14:00	WG1666269
Chlorodibromomethane	U		0.000242	0.00108	1	05/07/2021 14:00	WG1666269
Chloroethane	U		0.00108	0.00541	1	05/07/2021 14:00	WG1666269
Chloroform	U		0.00112	0.00541	1	05/07/2021 14:00	WG1666269
Chloromethane	U		0.000704	0.00271	1	05/07/2021 14:00	WG1666269

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000290	0.00108	1	05/07/2021 14:00	WG1666269
1,2-Dibromo-3-Chloropropane	U		0.00206	0.00541	1	05/07/2021 14:00	WG1666269
1,2-Dibromoethane	U		0.000271	0.00108	1	05/07/2021 14:00	WG1666269
Dichlorodifluoromethane	U		0.000311	0.00541	1	05/07/2021 14:00	WG1666269
1,1-Dichloroethane	U		0.000290	0.00108	1	05/07/2021 14:00	WG1666269
1,2-Dichloroethane	U		0.000487	0.00108	1	05/07/2021 14:00	WG1666269
1,2-Dichlorobenzene	U		0.000460	0.00108	1	05/07/2021 14:00	WG1666269
1,3-Dichlorobenzene	U		0.000650	0.00108	1	05/07/2021 14:00	WG1666269
1,4-Dichlorobenzene	U		0.000899	0.00108	1	05/07/2021 14:00	WG1666269
1,1-Dichloroethene	U		0.000384	0.00108	1	05/07/2021 14:00	WG1666269
cis-1,2-Dichloroethene	U		0.000514	0.00108	1	05/07/2021 14:00	WG1666269
trans-1,2-Dichloroethene	U		0.000541	0.00108	1	05/07/2021 14:00	WG1666269
1,2-Dichloropropane	U		0.000178	0.00108	1	05/07/2021 14:00	WG1666269
cis-1,3-Dichloropropene	U		0.000460	0.00108	1	05/07/2021 14:00	WG1666269
trans-1,3-Dichloropropene	U		0.000731	0.00108	1	05/07/2021 14:00	WG1666269
Ethylbenzene	U		0.000325	0.00108	1	05/07/2021 14:00	WG1666269
2-Hexanone	U		0.00194	0.0108	1	05/07/2021 14:00	WG1666269
Isopropylbenzene	U		0.000460	0.00108	1	05/07/2021 14:00	WG1666269
2-Butanone (MEK)	U		0.00507	0.0108	1	05/07/2021 14:00	WG1666269
Methyl Acetate	U		0.00325	0.0217	1	05/07/2021 14:00	WG1666269
Methyl Cyclohexane	U		0.000839	0.00108	1	05/07/2021 14:00	WG1666269
Methylene Chloride	U		0.00108	0.00541	1	05/07/2021 14:00	WG1666269
4-Methyl-2-pentanone (MIBK)	U		0.00103	0.0108	1	05/07/2021 14:00	WG1666269
Methyl tert-butyl ether	U		0.000379	0.00108	1	05/07/2021 14:00	WG1666269
Styrene	U		0.000241	0.00108	1	05/07/2021 14:00	WG1666269
1,1,2,2-Tetrachloroethane	U		0.000250	0.00108	1	05/07/2021 14:00	WG1666269
Tetrachloroethene	U		0.000352	0.00108	1	05/07/2021 14:00	WG1666269
Toluene	U		0.00133	0.00541	1	05/07/2021 14:00	WG1666269
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	05/07/2021 14:00	WG1666269
1,2,4-Trichlorobenzene	U		0.000420	0.00108	1	05/07/2021 14:00	WG1666269
1,1,1-Trichloroethane	U		0.000401	0.00108	1	05/07/2021 14:00	WG1666269
1,1,2-Trichloroethane	U		0.000460	0.00108	1	05/07/2021 14:00	WG1666269
Trichloroethene	U		0.000217	0.00108	1	05/07/2021 14:00	WG1666269
Trichlorofluoromethane	U		0.000385	0.00541	1	05/07/2021 14:00	WG1666269
1,1,2-Trichlorotrifluoroethane	U		0.000461	0.00108	1	05/07/2021 14:00	WG1666269
Vinyl chloride	U		0.000245	0.00108	1	05/07/2021 14:00	WG1666269
Xylenes, Total	U		0.000541	0.00325	1	05/07/2021 14:00	WG1666269
(S) Toluene-d8	*109*			*75.0-131*		*05/07/2021 14:00*	WG1666269
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*05/07/2021 14:00*	WG1666269
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*05/07/2021 14:00*	WG1666269

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/07/2021 14:00	WG1666269		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

TPH by Method NJDEP EPH

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
EPH Screen	U		7.69	21.7	1	05/05/2021 21:59	WG1664182
(S) o-Terphenyl	*74.6*		*6.67*	*40.0-140*		*05/05/2021 21:59*	WG1664182

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00407	0.0217	1	05/06/2021 13:44	WG1663467
Alpha BHC	U		0.00398	0.0217	1	05/06/2021 13:44	WG1663467
Beta BHC	U		0.00410	0.0217	1	05/06/2021 13:44	WG1663467
Delta BHC	U		0.00375	0.0217	1	05/06/2021 13:44	WG1663467
Gamma BHC	U		0.00372	0.0217	1	05/06/2021 13:44	WG1663467
Chlordane	U		0.112	0.325	1	05/06/2021 13:44	WG1663467
4,4-DDD	U		0.00401	0.0217	1	05/06/2021 13:44	WG1663467
4,4-DDE	U		0.00396	0.0217	1	05/06/2021 13:44	WG1663467
4,4-DDT	U		0.00679	0.0217	1	05/06/2021 13:44	WG1663467
Dieldrin	U		0.00372	0.0217	1	05/06/2021 13:44	WG1663467
Endosulfan I	U		0.00393	0.0217	1	05/06/2021 13:44	WG1663467
Endosulfan II	U		0.00363	0.0217	1	05/06/2021 13:44	WG1663467
Endosulfan sulfate	U		0.00394	0.0217	1	05/06/2021 13:44	WG1663467
Endrin	U		0.00379	0.0217	1	05/06/2021 13:44	WG1663467
Endrin aldehyde	U		0.00367	0.0217	1	05/06/2021 13:44	WG1663467
Endrin ketone	U		0.00770	0.0217	1	05/06/2021 13:44	WG1663467
Hexachlorobenzene	U		0.00375	0.0217	1	05/06/2021 13:44	WG1663467
Heptachlor	U		0.00463	0.0217	1	05/06/2021 13:44	WG1663467
Heptachlor epoxide	U		0.00367	0.0217	1	05/06/2021 13:44	WG1663467
Methoxychlor	U		0.00524	0.0217	1	05/06/2021 13:44	WG1663467
Toxaphene	U		0.134	0.433	1	05/06/2021 13:44	WG1663467
(S) Decachlorobiphenyl	*77.5*			*30.0-150*		*05/06/2021 13:44*	WG1663467
(S) Tetrachloro-m-xylene	*83.1*			*30.0-150*		*05/06/2021 13:44*	WG1663467

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0128	0.0368	1	05/05/2021 16:54	WG1663467
PCB 1221	U		0.0128	0.0368	1	05/05/2021 16:54	WG1663467
PCB 1232	U		0.0128	0.0368	1	05/05/2021 16:54	WG1663467
PCB 1242	U		0.0128	0.0368	1	05/05/2021 16:54	WG1663467
PCB 1248	U		0.00799	0.0184	1	05/05/2021 16:54	WG1663467
PCB 1254	U		0.00799	0.0184	1	05/05/2021 16:54	WG1663467
PCB 1260	U		0.00799	0.0184	1	05/05/2021 16:54	WG1663467
Total PCBs	U		0.00799	0.0184	1	05/05/2021 16:54	WG1663467
(S) Decachlorobiphenyl	*79.8*			*30.0-150*		*05/05/2021 16:54*	WG1663467
(S) Tetrachloro-m-xylene	*76.9*			*30.0-150*		*05/05/2021 16:54*	WG1663467

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00584	0.0360	1	05/06/2021 03:44	WG1663445
Acenaphthylene	U	J4	0.00508	0.0360	1	05/06/2021 03:44	WG1663445
Acetophenone	U		0.0113	0.360	1	05/06/2021 03:44	WG1663445
Anthracene	U	J4	0.00642	0.0360	1	05/06/2021 03:44	WG1663445
Atrazine	U		0.0124	0.360	1	05/06/2021 03:44	WG1663445
Benzaldehyde	U		0.0192	0.360	1	05/06/2021 03:44	WG1663445
Benzo(a)anthracene	U		0.00635	0.0360	1	05/06/2021 03:44	WG1663445
Benzo(b)fluoranthene	U		0.00672	0.0360	1	05/06/2021 03:44	WG1663445
Benzo(k)fluoranthene	U		0.00641	0.0360	1	05/06/2021 03:44	WG1663445
Benzo(g,h,i)perylene	U		0.00659	0.0360	1	05/06/2021 03:44	WG1663445
Benzo(a)pyrene	U		0.00670	0.0360	1	05/06/2021 03:44	WG1663445
Biphenyl	U	J4	0.0115	0.360	1	05/06/2021 03:44	WG1663445
Bis(2-chlorethoxy)methane	U	J4	0.0108	0.360	1	05/06/2021 03:44	WG1663445
Bis(2-chloroethyl)ether	U	J4	0.0119	0.360	1	05/06/2021 03:44	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0156	0.360	1	05/06/2021 03:44	WG1663445
4-Bromophenyl-phenylether	U		0.0127	0.360	1	05/06/2021 03:44	WG1663445
Caprolactam	U		0.0179	0.360	1	05/06/2021 03:44	WG1663445
Carbazole	U		0.0112	0.360	1	05/06/2021 03:44	WG1663445
4-Chloroaniline	U	J4	0.0130	0.360	1	05/06/2021 03:44	WG1663445
2-Chloronaphthalene	U	J4	0.00633	0.0360	1	05/06/2021 03:44	WG1663445
4-Chlorophenyl-phenylether	U	J4	0.0126	0.360	1	05/06/2021 03:44	WG1663445
Chrysene	U		0.00717	0.0360	1	05/06/2021 03:44	WG1663445
Dibenz(a,h)anthracene	U		0.00999	0.0360	1	05/06/2021 03:44	WG1663445
Dibenzofuran	U	J4	0.0118	0.360	1	05/06/2021 03:44	WG1663445
3,3-Dichlorobenzidine	U		0.0133	0.360	1	05/06/2021 03:44	WG1663445
2,4-Dinitrotoluene	U		0.0103	0.360	1	05/06/2021 03:44	WG1663445
2,6-Dinitrotoluene	U		0.0118	0.360	1	05/06/2021 03:44	WG1663445
Fluoranthene	U		0.00651	0.0360	1	05/06/2021 03:44	WG1663445
Fluorene	U	J4	0.00587	0.0360	1	05/06/2021 03:44	WG1663445
Hexachlorobenzene	U		0.0128	0.360	1	05/06/2021 03:44	WG1663445
Hexachloro-1,3-butadiene	U	J4	0.0121	0.360	1	05/06/2021 03:44	WG1663445
Hexachlorocyclopentadiene	U		0.0189	0.360	1	05/06/2021 03:44	WG1663445
Hexachloroethane	U		0.0142	0.360	1	05/06/2021 03:44	WG1663445
Indeno(1,2,3-cd)pyrene	U		0.0102	0.0360	1	05/06/2021 03:44	WG1663445
Isophorone	U	J4	0.0110	0.360	1	05/06/2021 03:44	WG1663445
2-Methylnaphthalene	U	J4	0.00468	0.0360	1	05/06/2021 03:44	WG1663445
Naphthalene	U	J4	0.00905	0.0360	1	05/06/2021 03:44	WG1663445
2-Nitroaniline	U		0.0116	0.360	1	05/06/2021 03:44	WG1663445
3-Nitroaniline	U		0.0115	0.360	1	05/06/2021 03:44	WG1663445
4-Nitroaniline	U		0.0105	0.360	1	05/06/2021 03:44	WG1663445
Nitrobenzene	U	J4	0.0126	0.360	1	05/06/2021 03:44	WG1663445
n-Nitrosodiphenylamine	U		0.0273	0.360	1	05/06/2021 03:44	WG1663445
n-Nitrosodi-n-propylamine	U	J4	0.0120	0.360	1	05/06/2021 03:44	WG1663445
Phenanthrene	U	J4	0.00716	0.0360	1	05/06/2021 03:44	WG1663445
Benzylbutyl phthalate	U		0.0113	0.360	1	05/06/2021 03:44	WG1663445
Bis(2-ethylhexyl)phthalate	U		0.0457	0.360	1	05/06/2021 03:44	WG1663445
Di-n-butyl phthalate	U	J4	0.0123	0.360	1	05/06/2021 03:44	WG1663445
Diethyl phthalate	U		0.0119	0.360	1	05/06/2021 03:44	WG1663445
Dimethyl phthalate	U		0.0764	0.360	1	05/06/2021 03:44	WG1663445
Di-n-octyl phthalate	U		0.0244	0.360	1	05/06/2021 03:44	WG1663445
Pyrene	U		0.00702	0.0360	1	05/06/2021 03:44	WG1663445
1,2,4,5-Tetrachlorobenzene	U	J4	0.0172	0.360	1	05/06/2021 03:44	WG1663445
4-Chloro-3-methylphenol	U	J4	0.0117	0.360	1	05/06/2021 03:44	WG1663445
2-Chlorophenol	U	J4	0.0119	0.360	1	05/06/2021 03:44	WG1663445
2-Methylphenol	U	J4	0.0108	0.360	1	05/06/2021 03:44	WG1663445
3&4-Methyl Phenol	U		0.0113	0.360	1	05/06/2021 03:44	WG1663445
2,4-Dichlorophenol	U	J4	0.0105	0.360	1	05/06/2021 03:44	WG1663445
2,4-Dimethylphenol	U	J4	0.00942	0.360	1	05/06/2021 03:44	WG1663445
4,6-Dinitro-2-methylphenol	U	J4	0.0817	0.360	1	05/06/2021 03:44	WG1663445
2,4-Dinitrophenol	U		0.0843	0.360	1	05/06/2021 03:44	WG1663445
2-Nitrophenol	U	J4	0.0129	0.360	1	05/06/2021 03:44	WG1663445
4-Nitrophenol	U		0.0113	0.360	1	05/06/2021 03:44	WG1663445
Pentachlorophenol	U		0.00970	0.360	1	05/06/2021 03:44	WG1663445
Phenol	U		0.0145	0.360	1	05/06/2021 03:44	WG1663445
2,4,5-Trichlorophenol	U	J4	0.0122	0.360	1	05/06/2021 03:44	WG1663445
2,4,6-Trichlorophenol	U	J4	0.0116	0.360	1	05/06/2021 03:44	WG1663445
(S) 2-Fluorophenol	*72.7*			*30.0-130*		*05/06/2021 03:44*	WG1663445
(S) Phenol-d5	*64.7*			*30.0-130*		*05/06/2021 03:44*	WG1663445
(S) Nitrobenzene-d5	*58.8*			*30.0-130*		*05/06/2021 03:44*	WG1663445
(S) 2-Fluorobiphenyl	*69.7*			*30.0-130*		*05/06/2021 03:44*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*71.8*			*30.0-130*		*05/06/2021 03:44*	WG1663445
(S) p-Terphenyl-d14	*71.5*			*30.0-130*		*05/06/2021 03:44*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.135	J N	0.000	0.000	1	05/06/2021 03:44	WG1663445		
Unknown-01	0.135	J N	0.000	0.000	1	05/06/2021 03:44	WG1663445	000123-42-2	2.68

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.5		1	05/04/2021 10:34	WG1663189

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0767	0.262	1	05/06/2021 22:49	WG1665185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0188	0.0419	1	05/04/2021 11:12	WG1661378

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	1520		6.36	10.5	1	05/03/2021 16:39	WG1662149
Antimony	U		0.569	2.09	1	05/03/2021 16:39	WG1662149
Arsenic	U		0.542	2.09	1	05/03/2021 16:39	WG1662149
Barium	4.42		0.0892	0.523	1	05/03/2021 16:39	WG1662149
Beryllium	0.0939	J	0.0330	0.209	1	05/03/2021 16:39	WG1662149
Cadmium	U		0.0493	0.523	1	05/03/2021 16:39	WG1662149
Calcium	90.8	J	11.1	105	1	05/03/2021 16:39	WG1662149
Chromium	3.81		0.139	1.05	1	05/03/2021 16:39	WG1662149
Cobalt	0.416	J	0.0849	1.05	1	05/03/2021 16:39	WG1662149
Copper	1.47	J	0.419	2.09	1	05/03/2021 16:39	WG1662149
Iron	2060		2.34	10.5	1	05/03/2021 16:39	WG1662149
Lead	1.76		0.218	0.523	1	05/03/2021 16:39	WG1662149
Magnesium	278		7.72	105	1	05/03/2021 16:39	WG1662149
Manganese	4.21		0.139	1.05	1	05/03/2021 16:39	WG1662149
Nickel	1.37	J	0.138	2.09	1	05/03/2021 16:39	WG1662149
Potassium	469		21.9	105	1	05/03/2021 16:39	WG1662149
Selenium	U		0.800	2.09	1	05/03/2021 16:39	WG1662149
Silver	U		0.133	1.05	1	05/03/2021 16:39	WG1662149
Sodium	U		43.1	105	1	05/03/2021 16:39	WG1662149
Thallium	U		0.412	2.09	1	05/03/2021 16:39	WG1662149
Vanadium	4.59		0.530	2.09	1	05/03/2021 16:39	WG1662149
Zinc	3.26	J	0.871	5.23	1	05/03/2021 16:39	WG1662149

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0217	0.0523	1	05/07/2021 14:22	WG1666269
Benzene	U		0.000392	0.00105	1	05/07/2021 14:22	WG1666269
Bromochloromethane	U		0.000351	0.00105	1	05/07/2021 14:22	WG1666269
Bromodichloromethane	U		0.000759	0.00105	1	05/07/2021 14:22	WG1666269
Bromoform	U		0.000444	0.00105	1	05/07/2021 14:22	WG1666269
Bromomethane	U		0.00122	0.00523	1	05/07/2021 14:22	WG1666269
Carbon disulfide	U		0.000733	0.00105	1	05/07/2021 14:22	WG1666269
Carbon tetrachloride	U		0.000260	0.00105	1	05/07/2021 14:22	WG1666269
Chlorobenzene	U		0.000201	0.00105	1	05/07/2021 14:22	WG1666269
Chlorodibromomethane	U		0.000234	0.00105	1	05/07/2021 14:22	WG1666269
Chloroethane	U		0.00105	0.00523	1	05/07/2021 14:22	WG1666269
Chloroform	U		0.00108	0.00523	1	05/07/2021 14:22	WG1666269
Chloromethane	U		0.000680	0.00262	1	05/07/2021 14:22	WG1666269

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000280	0.00105	1	05/07/2021 14:22	WG1666269
1,2-Dibromo-3-Chloropropane	U		0.00199	0.00523	1	05/07/2021 14:22	WG1666269
1,2-Dibromoethane	U		0.000262	0.00105	1	05/07/2021 14:22	WG1666269
Dichlorodifluoromethane	U		0.000300	0.00523	1	05/07/2021 14:22	WG1666269
1,1-Dichloroethane	U		0.000280	0.00105	1	05/07/2021 14:22	WG1666269
1,2-Dichloroethane	U		0.000471	0.00105	1	05/07/2021 14:22	WG1666269
1,2-Dichlorobenzene	U		0.000445	0.00105	1	05/07/2021 14:22	WG1666269
1,3-Dichlorobenzene	U		0.000628	0.00105	1	05/07/2021 14:22	WG1666269
1,4-Dichlorobenzene	U		0.000869	0.00105	1	05/07/2021 14:22	WG1666269
1,1-Dichloroethene	U		0.000372	0.00105	1	05/07/2021 14:22	WG1666269
cis-1,2-Dichloroethene	U		0.000497	0.00105	1	05/07/2021 14:22	WG1666269
trans-1,2-Dichloroethene	U		0.000523	0.00105	1	05/07/2021 14:22	WG1666269
1,2-Dichloropropane	U		0.000172	0.00105	1	05/07/2021 14:22	WG1666269
cis-1,3-Dichloropropene	U		0.000445	0.00105	1	05/07/2021 14:22	WG1666269
trans-1,3-Dichloropropene	U		0.000706	0.00105	1	05/07/2021 14:22	WG1666269
Ethylbenzene	U		0.000314	0.00105	1	05/07/2021 14:22	WG1666269
2-Hexanone	U		0.00187	0.0105	1	05/07/2021 14:22	WG1666269
Isopropylbenzene	U		0.000445	0.00105	1	05/07/2021 14:22	WG1666269
2-Butanone (MEK)	U		0.00490	0.0105	1	05/07/2021 14:22	WG1666269
Methyl Acetate	U		0.00314	0.0209	1	05/07/2021 14:22	WG1666269
Methyl Cyclohexane	U		0.000811	0.00105	1	05/07/2021 14:22	WG1666269
Methylene Chloride	U		0.00105	0.00523	1	05/07/2021 14:22	WG1666269
4-Methyl-2-pentanone (MIBK)	U		0.000994	0.0105	1	05/07/2021 14:22	WG1666269
Methyl tert-butyl ether	U		0.000366	0.00105	1	05/07/2021 14:22	WG1666269
Styrene	U		0.000233	0.00105	1	05/07/2021 14:22	WG1666269
1,1,2,2-Tetrachloroethane	U		0.000242	0.00105	1	05/07/2021 14:22	WG1666269
Tetrachloroethene	U		0.000340	0.00105	1	05/07/2021 14:22	WG1666269
Toluene	U		0.00129	0.00523	1	05/07/2021 14:22	WG1666269
1,2,3-Trichlorobenzene	U		0.000320	0.00105	1	05/07/2021 14:22	WG1666269
1,2,4-Trichlorobenzene	U		0.000406	0.00105	1	05/07/2021 14:22	WG1666269
1,1,1-Trichloroethane	U		0.000387	0.00105	1	05/07/2021 14:22	WG1666269
1,1,2-Trichloroethane	U		0.000445	0.00105	1	05/07/2021 14:22	WG1666269
Trichloroethene	U		0.000209	0.00105	1	05/07/2021 14:22	WG1666269
Trichlorofluoromethane	U		0.000373	0.00523	1	05/07/2021 14:22	WG1666269
1,1,2-Trichlorotrifluoroethane	U		0.000446	0.00105	1	05/07/2021 14:22	WG1666269
Vinyl chloride	U		0.000237	0.00105	1	05/07/2021 14:22	WG1666269
Xylenes, Total	U		0.000523	0.00314	1	05/07/2021 14:22	WG1666269
(S) Toluene-d8	*110*			*75.0-131*		*05/07/2021 14:22*	WG1666269
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/07/2021 14:22*	WG1666269
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*05/07/2021 14:22*	WG1666269

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/07/2021 14:22	WG1666269		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

TPH by Method NJDEP EPH

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
EPH Screen	U		7.43	20.9	1	05/05/2021 22:12	WG1664182
(S) o-Terphenyl	*82.0*		*6.67*	*40.0-140*		*05/05/2021 22:12*	WG1664182

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00394	0.0209	1	05/06/2021 13:59	WG1663467
Alpha BHC	U		0.00385	0.0209	1	05/06/2021 13:59	WG1663467
Beta BHC	U		0.00397	0.0209	1	05/06/2021 13:59	WG1663467
Delta BHC	U		0.00362	0.0209	1	05/06/2021 13:59	WG1663467
Gamma BHC	U		0.00360	0.0209	1	05/06/2021 13:59	WG1663467
Chlordane	U		0.108	0.314	1	05/06/2021 13:59	WG1663467
4,4-DDD	U		0.00387	0.0209	1	05/06/2021 13:59	WG1663467
4,4-DDE	U		0.00383	0.0209	1	05/06/2021 13:59	WG1663467
4,4-DDT	U		0.00656	0.0209	1	05/06/2021 13:59	WG1663467
Dieldrin	U		0.00360	0.0209	1	05/06/2021 13:59	WG1663467
Endosulfan I	U		0.00380	0.0209	1	05/06/2021 13:59	WG1663467
Endosulfan II	U		0.00351	0.0209	1	05/06/2021 13:59	WG1663467
Endosulfan sulfate	U		0.00381	0.0209	1	05/06/2021 13:59	WG1663467
Endrin	U		0.00366	0.0209	1	05/06/2021 13:59	WG1663467
Endrin aldehyde	U		0.00355	0.0209	1	05/06/2021 13:59	WG1663467
Endrin ketone	U		0.00744	0.0209	1	05/06/2021 13:59	WG1663467
Hexachlorobenzene	U		0.00362	0.0209	1	05/06/2021 13:59	WG1663467
Heptachlor	U		0.00448	0.0209	1	05/06/2021 13:59	WG1663467
Heptachlor epoxide	U		0.00355	0.0209	1	05/06/2021 13:59	WG1663467
Methoxychlor	U		0.00507	0.0209	1	05/06/2021 13:59	WG1663467
Toxaphene	U		0.130	0.419	1	05/06/2021 13:59	WG1663467
(S) Decachlorobiphenyl	*62.4*			*30.0-150*		*05/06/2021 13:59*	WG1663467
(S) Tetrachloro-m-xylene	*62.7*			*30.0-150*		*05/06/2021 13:59*	WG1663467

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0124	0.0356	1	05/05/2021 17:04	WG1663467
PCB 1221	U		0.0124	0.0356	1	05/05/2021 17:04	WG1663467
PCB 1232	U		0.0124	0.0356	1	05/05/2021 17:04	WG1663467
PCB 1242	U		0.0124	0.0356	1	05/05/2021 17:04	WG1663467
PCB 1248	U		0.00772	0.0178	1	05/05/2021 17:04	WG1663467
PCB 1254	U		0.00772	0.0178	1	05/05/2021 17:04	WG1663467
PCB 1260	U		0.00772	0.0178	1	05/05/2021 17:04	WG1663467
Total PCBs	U		0.00772	0.0178	1	05/05/2021 17:04	WG1663467
(S) Decachlorobiphenyl	*65.6*			*30.0-150*		*05/05/2021 17:04*	WG1663467
(S) Tetrachloro-m-xylene	*59.6*			*30.0-150*		*05/05/2021 17:04*	WG1663467

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00564	0.0349	1	05/06/2021 05:48	WG1663445
Acenaphthylene	U	J4	0.00491	0.0349	1	05/06/2021 05:48	WG1663445
Acetophenone	U		0.0109	0.349	1	05/06/2021 05:48	WG1663445
Anthracene	U	J4	0.00621	0.0349	1	05/06/2021 05:48	WG1663445
Atrazine	U		0.0120	0.349	1	05/06/2021 05:48	WG1663445
Benzaldehyde	U		0.0185	0.349	1	05/06/2021 05:48	WG1663445
Benzo(a)anthracene	U		0.00614	0.0349	1	05/06/2021 05:48	WG1663445
Benzo(b)fluoranthene	U		0.00650	0.0349	1	05/06/2021 05:48	WG1663445
Benzo(k)fluoranthene	U		0.00620	0.0349	1	05/06/2021 05:48	WG1663445
Benzo(g,h,i)perylene	U		0.00637	0.0349	1	05/06/2021 05:48	WG1663445
Benzo(a)pyrene	U		0.00648	0.0349	1	05/06/2021 05:48	WG1663445
Biphenyl	U	J4	0.0111	0.349	1	05/06/2021 05:48	WG1663445
Bis(2-chlorethoxy)methane	U	J4	0.0105	0.349	1	05/06/2021 05:48	WG1663445
Bis(2-chloroethyl)ether	U	J4	0.0115	0.349	1	05/06/2021 05:48	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0151	0.349	1	05/06/2021 05:48	WG1663445
4-Bromophenyl-phenylether	U		0.0122	0.349	1	05/06/2021 05:48	WG1663445
Caprolactam	U		0.0173	0.349	1	05/06/2021 05:48	WG1663445
Carbazole	U		0.0108	0.349	1	05/06/2021 05:48	WG1663445
4-Chloroaniline	U	J4	0.0126	0.349	1	05/06/2021 05:48	WG1663445
2-Chloronaphthalene	U	J4	0.00612	0.0349	1	05/06/2021 05:48	WG1663445
4-Chlorophenyl-phenylether	U	J4	0.0121	0.349	1	05/06/2021 05:48	WG1663445
Chrysene	U		0.00693	0.0349	1	05/06/2021 05:48	WG1663445
Dibenz(a,h)anthracene	U		0.00966	0.0349	1	05/06/2021 05:48	WG1663445
Dibenzofuran	U	J4	0.0114	0.349	1	05/06/2021 05:48	WG1663445
3,3-Dichlorobenzidine	U		0.0129	0.349	1	05/06/2021 05:48	WG1663445
2,4-Dinitrotoluene	U		0.0100	0.349	1	05/06/2021 05:48	WG1663445
2,6-Dinitrotoluene	U		0.0114	0.349	1	05/06/2021 05:48	WG1663445
Fluoranthene	U		0.00629	0.0349	1	05/06/2021 05:48	WG1663445
Fluorene	U	J4	0.00567	0.0349	1	05/06/2021 05:48	WG1663445
Hexachlorobenzene	U		0.0124	0.349	1	05/06/2021 05:48	WG1663445
Hexachloro-1,3-butadiene	U	J4	0.0117	0.349	1	05/06/2021 05:48	WG1663445
Hexachlorocyclopentadiene	U		0.0183	0.349	1	05/06/2021 05:48	WG1663445
Hexachloroethane	U		0.0137	0.349	1	05/06/2021 05:48	WG1663445
Indeno(1,2,3-cd)pyrene	U		0.00985	0.0349	1	05/06/2021 05:48	WG1663445
Isophorone	U	J4	0.0107	0.349	1	05/06/2021 05:48	WG1663445
2-Methylnaphthalene	U	J4	0.00452	0.0349	1	05/06/2021 05:48	WG1663445
Naphthalene	U	J4	0.00875	0.0349	1	05/06/2021 05:48	WG1663445
2-Nitroaniline	U		0.0112	0.349	1	05/06/2021 05:48	WG1663445
3-Nitroaniline	U		0.0111	0.349	1	05/06/2021 05:48	WG1663445
4-Nitroaniline	U		0.0102	0.349	1	05/06/2021 05:48	WG1663445
Nitrobenzene	U	J4	0.0121	0.349	1	05/06/2021 05:48	WG1663445
n-Nitrosodiphenylamine	U		0.0264	0.349	1	05/06/2021 05:48	WG1663445
n-Nitrosodi-n-propylamine	U	J4	0.0116	0.349	1	05/06/2021 05:48	WG1663445
Phenanthrene	U	J4	0.00692	0.0349	1	05/06/2021 05:48	WG1663445
Benzylbutyl phthalate	U		0.0109	0.349	1	05/06/2021 05:48	WG1663445
Bis(2-ethylhexyl)phthalate	U		0.0442	0.349	1	05/06/2021 05:48	WG1663445
Di-n-butyl phthalate	U	J4	0.0119	0.349	1	05/06/2021 05:48	WG1663445
Diethyl phthalate	U		0.0115	0.349	1	05/06/2021 05:48	WG1663445
Dimethyl phthalate	U		0.0739	0.349	1	05/06/2021 05:48	WG1663445
Di-n-octyl phthalate	U		0.0235	0.349	1	05/06/2021 05:48	WG1663445
Pyrene	U		0.00678	0.0349	1	05/06/2021 05:48	WG1663445
1,2,4,5-Tetrachlorobenzene	U	J4	0.0166	0.349	1	05/06/2021 05:48	WG1663445
4-Chloro-3-methylphenol	U	J4	0.0113	0.349	1	05/06/2021 05:48	WG1663445
2-Chlorophenol	U	J4	0.0115	0.349	1	05/06/2021 05:48	WG1663445
2-Methylphenol	U	J4	0.0105	0.349	1	05/06/2021 05:48	WG1663445
3&4-Methyl Phenol	U		0.0109	0.349	1	05/06/2021 05:48	WG1663445
2,4-Dichlorophenol	U	J4	0.0102	0.349	1	05/06/2021 05:48	WG1663445
2,4-Dimethylphenol	U	J4	0.00911	0.349	1	05/06/2021 05:48	WG1663445
4,6-Dinitro-2-methylphenol	U	J4	0.0790	0.349	1	05/06/2021 05:48	WG1663445
2,4-Dinitrophenol	U		0.0815	0.349	1	05/06/2021 05:48	WG1663445
2-Nitrophenol	U	J4	0.0125	0.349	1	05/06/2021 05:48	WG1663445
4-Nitrophenol	U		0.0109	0.349	1	05/06/2021 05:48	WG1663445
Pentachlorophenol	U		0.00938	0.349	1	05/06/2021 05:48	WG1663445
Phenol	U		0.0140	0.349	1	05/06/2021 05:48	WG1663445
2,4,5-Trichlorophenol	U	J4	0.0118	0.349	1	05/06/2021 05:48	WG1663445
2,4,6-Trichlorophenol	U	J4	0.0112	0.349	1	05/06/2021 05:48	WG1663445
(S) 2-Fluorophenol	*84.5*			*30.0-130*		*05/06/2021 05:48*	WG1663445
(S) Phenol-d5	*76.7*			*30.0-130*		*05/06/2021 05:48*	WG1663445
(S) Nitrobenzene-d5	*68.4*			*30.0-130*		*05/06/2021 05:48*	WG1663445
(S) 2-Fluorobiphenyl	*80.4*			*30.0-130*		*05/06/2021 05:48*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*87.2*			*30.0-130*		*05/06/2021 05:48*	WG1663445
(S) p-Terphenyl-d14	*84.6*			*30.0-130*		*05/06/2021 05:48*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.265	J N	0.000	0.000	1	05/06/2021 05:48	WG1663445		
Unknown-01	0.180	J N	0.000	0.000	1	05/06/2021 05:48	WG1663445	000123-42-2	2.68
Cyclopentasiloxane, Decamethyl-	0.0467	J N	0.000	0.000	1	05/06/2021 05:48	WG1663445	000541-02-6	3.86
Cyclohexasiloxane, Dodecamethyl-	0.0382	J N	0.000	0.000	1	05/06/2021 05:48	WG1663445	000540-97-6	4.52

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.8		1	05/03/2021 12:03	WG1663192

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0205	0.0456	1	05/04/2021 11:14	WG1661378

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	675		6.93	11.4	1	05/03/2021 16:42	WG1662149
Antimony	U		0.620	2.28	1	05/03/2021 16:42	WG1662149
Arsenic	U		0.590	2.28	1	05/03/2021 16:42	WG1662149
Barium	2.59	B	0.0971	0.570	1	05/03/2021 16:42	WG1662149
Beryllium	0.0550	J	0.0359	0.228	1	05/03/2021 16:42	WG1662149
Cadmium	U		0.0537	0.570	1	05/03/2021 16:42	WG1662149
Calcium	56.8	J	12.1	114	1	05/03/2021 16:42	WG1662149
Chromium	1.72		0.152	1.14	1	05/03/2021 16:42	WG1662149
Cobalt	0.442	J	0.0924	1.14	1	05/03/2021 16:42	WG1662149
Copper	1.01	J	0.456	2.28	1	05/03/2021 16:42	WG1662149
Iron	1320		2.55	11.4	1	05/03/2021 16:42	WG1662149
Lead	0.792		0.237	0.570	1	05/03/2021 16:42	WG1662149
Magnesium	85.7	J	8.41	114	1	05/03/2021 16:42	WG1662149
Manganese	2.82	B	0.152	1.14	1	05/03/2021 16:42	WG1662149
Nickel	0.547	J	0.150	2.28	1	05/03/2021 16:42	WG1662149
Potassium	194		23.8	114	1	05/03/2021 16:42	WG1662149
Selenium	U		0.871	2.28	1	05/03/2021 16:42	WG1662149
Silver	U		0.145	1.14	1	05/03/2021 16:42	WG1662149
Sodium	U		46.9	114	1	05/03/2021 16:42	WG1662149
Thallium	U		0.449	2.28	1	05/03/2021 16:42	WG1662149
Vanadium	3.17		0.577	2.28	1	05/03/2021 16:42	WG1662149
Zinc	1.54	J	0.948	5.70	1	05/03/2021 16:42	WG1662149

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	T8	0.0236	0.0570	1	05/13/2021 17:54	WG1670236
Benzene	U	T8	0.000427	0.00114	1	05/13/2021 17:54	WG1670236
Bromochloromethane	U	T8	0.000382	0.00114	1	05/13/2021 17:54	WG1670236
Bromodichloromethane	U	T8	0.000826	0.00114	1	05/13/2021 17:54	WG1670236
Bromoform	U	T8	0.000483	0.00114	1	05/13/2021 17:54	WG1670236
Bromomethane	U	T8	0.00133	0.00570	1	05/13/2021 17:54	WG1670236
Carbon disulfide	U	T8	0.000798	0.00114	1	05/13/2021 17:54	WG1670236
Carbon tetrachloride	U	T8	0.000283	0.00114	1	05/13/2021 17:54	WG1670236
Chlorobenzene	U	T8	0.000219	0.00114	1	05/13/2021 17:54	WG1670236
Chlorodibromomethane	U	T8	0.000255	0.00114	1	05/13/2021 17:54	WG1670236
Chloroethane	U	T8	0.00114	0.00570	1	05/13/2021 17:54	WG1670236
Chloroform	U	T8	0.00117	0.00570	1	05/13/2021 17:54	WG1670236
Chloromethane	U	T8	0.000741	0.00285	1	05/13/2021 17:54	WG1670236
Cyclohexane	U	T8	0.000305	0.00114	1	05/13/2021 17:54	WG1670236
1,2-Dibromo-3-Chloropropane	U	T8	0.00217	0.00570	1	05/13/2021 17:54	WG1670236
1,2-Dibromoethane	U	T8	0.000285	0.00114	1	05/13/2021 17:54	WG1670236
Dichlorodifluoromethane	U	T8	0.000327	0.00570	1	05/13/2021 17:54	WG1670236
1,1-Dichloroethane	U	T8	0.000305	0.00114	1	05/13/2021 17:54	WG1670236

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U	T8	0.000513	0.00114	1	05/13/2021 17:54	WG1670236
1,2-Dichlorobenzene	U	T8	0.000484	0.00114	1	05/13/2021 17:54	WG1670236
1,3-Dichlorobenzene	U	T8	0.000684	0.00114	1	05/13/2021 17:54	WG1670236
1,4-Dichlorobenzene	U	T8	0.000946	0.00114	1	05/13/2021 17:54	WG1670236
1,1-Dichloroethene	U	T8	0.000405	0.00114	1	05/13/2021 17:54	WG1670236
cis-1,2-Dichloroethene	U	T8	0.000541	0.00114	1	05/13/2021 17:54	WG1670236
trans-1,2-Dichloroethene	U	T8	0.000570	0.00114	1	05/13/2021 17:54	WG1670236
1,2-Dichloropropane	U	T8	0.000187	0.00114	1	05/13/2021 17:54	WG1670236
cis-1,3-Dichloropropene	U	T8	0.000484	0.00114	1	05/13/2021 17:54	WG1670236
trans-1,3-Dichloropropene	U	T8	0.000769	0.00114	1	05/13/2021 17:54	WG1670236
Ethylbenzene	U	T8	0.000342	0.00114	1	05/13/2021 17:54	WG1670236
2-Hexanone	U	T8	0.00204	0.0114	1	05/13/2021 17:54	WG1670236
Isopropylbenzene	U	T8	0.000484	0.00114	1	05/13/2021 17:54	WG1670236
2-Butanone (MEK)	U	T8	0.00533	0.0114	1	05/13/2021 17:54	WG1670236
Methyl Acetate	U	T8	0.00342	0.0228	1	05/13/2021 17:54	WG1670236
Methyl Cyclohexane	U	T8	0.000883	0.00114	1	05/13/2021 17:54	WG1670236
Methylene Chloride	U	T8	0.00114	0.00570	1	05/13/2021 17:54	WG1670236
4-Methyl-2-pentanone (MIBK)	U	T8	0.00108	0.0114	1	05/13/2021 17:54	WG1670236
Methyl tert-butyl ether	U	T8	0.000399	0.00114	1	05/13/2021 17:54	WG1670236
Styrene	U	T8	0.000254	0.00114	1	05/13/2021 17:54	WG1670236
1,1,2,2-Tetrachloroethane	U	T8	0.000263	0.00114	1	05/13/2021 17:54	WG1670236
Tetrachloroethene	U	T8	0.000370	0.00114	1	05/13/2021 17:54	WG1670236
Toluene	U	T8	0.00140	0.00570	1	05/13/2021 17:54	WG1670236
1,2,3-Trichlorobenzene	U	T8	0.000349	0.00114	1	05/13/2021 17:54	WG1670236
1,2,4-Trichlorobenzene	U	T8	0.000442	0.00114	1	05/13/2021 17:54	WG1670236
1,1,1-Trichloroethane	U	T8	0.000422	0.00114	1	05/13/2021 17:54	WG1670236
1,1,2-Trichloroethane	U	T8	0.000484	0.00114	1	05/13/2021 17:54	WG1670236
Trichloroethene	U	T8	0.000228	0.00114	1	05/13/2021 17:54	WG1670236
Trichlorofluoromethane	U	T8	0.000406	0.00570	1	05/13/2021 17:54	WG1670236
1,1,2-Trichlorotrifluoroethane	U	T8	0.000485	0.00114	1	05/13/2021 17:54	WG1670236
Vinyl chloride	U	T8	0.000258	0.00114	1	05/13/2021 17:54	WG1670236
Xylenes, Total	U	T8	0.000570	0.00342	1	05/13/2021 17:54	WG1670236
(S) Toluene-d8	*108*			*75.0-131*		*05/13/2021 17:54*	WG1670236
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/13/2021 17:54*	WG1670236
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*05/13/2021 17:54*	WG1670236

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/13/2021 17:54	WG1670236		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00676	0.0379	1	05/05/2021 02:46	WG1663447
Acenaphthene	U		0.00614	0.0379	1	05/05/2021 02:46	WG1663447
Acenaphthylene	U		0.00534	0.0379	1	05/05/2021 02:46	WG1663447
Benzo(a)anthracene	U		0.00669	0.0379	1	05/05/2021 02:46	WG1663447
Benzo(a)pyrene	U		0.00705	0.0379	1	05/05/2021 02:46	WG1663447
Benzo(b)fluoranthene	U		0.00708	0.0379	1	05/05/2021 02:46	WG1663447
Benzo(g,h,i)perylene	U		0.00694	0.0379	1	05/05/2021 02:46	WG1663447
Benzo(k)fluoranthene	U		0.00675	0.0379	1	05/05/2021 02:46	WG1663447

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chrysene	U		0.00754	0.0379	1	05/05/2021 02:46	WG1663447
Dibenz(a,h)anthracene	U		0.0105	0.0379	1	05/05/2021 02:46	WG1663447
Fluoranthene	U		0.00685	0.0379	1	05/05/2021 02:46	WG1663447
Fluorene	U		0.00618	0.0379	1	05/05/2021 02:46	WG1663447
Indeno(1,2,3-cd)pyrene	U		0.0107	0.0379	1	05/05/2021 02:46	WG1663447
Naphthalene	U		0.00953	0.0379	1	05/05/2021 02:46	WG1663447
Phenanthrene	U		0.00753	0.0379	1	05/05/2021 02:46	WG1663447
Pyrene	U		0.00738	0.0379	1	05/05/2021 02:46	WG1663447
(S) Nitrobenzene-d5	*89.3*			*31.0-146*		*05/05/2021 02:46*	WG1663447
(S) 2-Fluorobiphenyl	*92.3*			*31.0-130*		*05/05/2021 02:46*	WG1663447
(S) p-Terphenyl-d14	*121*			*20.0-127*		*05/05/2021 02:46*	WG1663447

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.5		1	05/03/2021 12:03	WG1663192

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0185	0.0410	1	05/04/2021 11:17	WG1661378

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	595		6.24	10.3	1	05/03/2021 16:44	WG1662149
Antimony	U		0.558	2.05	1	05/03/2021 16:44	WG1662149
Arsenic	U		0.531	2.05	1	05/03/2021 16:44	WG1662149
Barium	2.73		0.0874	0.513	1	05/03/2021 16:44	WG1662149
Beryllium	0.0363	J	0.0323	0.205	1	05/03/2021 16:44	WG1662149
Cadmium	U		0.0483	0.513	1	05/03/2021 16:44	WG1662149
Calcium	71.9	J	10.9	103	1	05/03/2021 16:44	WG1662149
Chromium	1.51		0.136	1.03	1	05/03/2021 16:44	WG1662149
Cobalt	0.529	J	0.0832	1.03	1	05/03/2021 16:44	WG1662149
Copper	0.659	J	0.410	2.05	1	05/03/2021 16:44	WG1662149
Iron	883		2.30	10.3	1	05/03/2021 16:44	WG1662149
Lead	1.24		0.213	0.513	1	05/03/2021 16:44	WG1662149
Magnesium	61.9	J	7.57	103	1	05/03/2021 16:44	WG1662149
Manganese	1.89	B	0.136	1.03	1	05/03/2021 16:44	WG1662149
Nickel	0.357	J	0.135	2.05	1	05/03/2021 16:44	WG1662149
Potassium	181		21.4	103	1	05/03/2021 16:44	WG1662149
Selenium	U		0.784	2.05	1	05/03/2021 16:44	WG1662149
Silver	U		0.130	1.03	1	05/03/2021 16:44	WG1662149
Sodium	U		42.3	103	1	05/03/2021 16:44	WG1662149
Thallium	0.421	J	0.404	2.05	1	05/03/2021 16:44	WG1662149
Vanadium	2.47		0.519	2.05	1	05/03/2021 16:44	WG1662149
Zinc	2.92	J	0.853	5.13	1	05/03/2021 16:44	WG1662149

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	T8	0.0346	0.0836	1.63	05/13/2021 18:15	WG1670236
Benzene	U	T8	0.000627	0.00167	1.63	05/13/2021 18:15	WG1670236
Bromochloromethane	U	T8	0.000560	0.00167	1.63	05/13/2021 18:15	WG1670236
Bromodichloromethane	U	T8	0.00121	0.00167	1.63	05/13/2021 18:15	WG1670236
Bromoform	U	T8	0.000709	0.00167	1.63	05/13/2021 18:15	WG1670236
Bromomethane	U	T8	0.00196	0.00836	1.63	05/13/2021 18:15	WG1670236
Carbon disulfide	U	T8	0.00117	0.00167	1.63	05/13/2021 18:15	WG1670236
Carbon tetrachloride	U	T8	0.000414	0.00167	1.63	05/13/2021 18:15	WG1670236
Chlorobenzene	U	T8	0.000321	0.00167	1.63	05/13/2021 18:15	WG1670236
Chlorodibromomethane	U	T8	0.000374	0.00167	1.63	05/13/2021 18:15	WG1670236
Chloroethane	U	T8	0.00167	0.00836	1.63	05/13/2021 18:15	WG1670236
Chloroform	U	T8	0.00172	0.00836	1.63	05/13/2021 18:15	WG1670236
Chloromethane	U	T8	0.00109	0.00419	1.63	05/13/2021 18:15	WG1670236
Cyclohexane	U	T8	0.000448	0.00167	1.63	05/13/2021 18:15	WG1670236
1,2-Dibromo-3-Chloropropane	U	T8	0.00318	0.00836	1.63	05/13/2021 18:15	WG1670236
1,2-Dibromoethane	U	T8	0.000419	0.00167	1.63	05/13/2021 18:15	WG1670236
Dichlorodifluoromethane	U	T8	0.000480	0.00836	1.63	05/13/2021 18:15	WG1670236
1,1-Dichloroethane	U	T8	0.000448	0.00167	1.63	05/13/2021 18:15	WG1670236

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U	T8	0.000753	0.00167	1.63	05/13/2021 18:15	WG1670236
1,2-Dichlorobenzene	U	T8	0.000711	0.00167	1.63	05/13/2021 18:15	WG1670236
1,3-Dichlorobenzene	U	T8	0.00100	0.00167	1.63	05/13/2021 18:15	WG1670236
1,4-Dichlorobenzene	U	T8	0.00138	0.00167	1.63	05/13/2021 18:15	WG1670236
1,1-Dichloroethene	U	T8	0.000594	0.00167	1.63	05/13/2021 18:15	WG1670236
cis-1,2-Dichloroethene	U	T8	0.000794	0.00167	1.63	05/13/2021 18:15	WG1670236
trans-1,2-Dichloroethene	U	T8	0.000836	0.00167	1.63	05/13/2021 18:15	WG1670236
1,2-Dichloropropane	U	T8	0.000274	0.00167	1.63	05/13/2021 18:15	WG1670236
cis-1,3-Dichloropropene	U	T8	0.000711	0.00167	1.63	05/13/2021 18:15	WG1670236
trans-1,3-Dichloropropene	U	T8	0.00113	0.00167	1.63	05/13/2021 18:15	WG1670236
Ethylbenzene	U	T8	0.000502	0.00167	1.63	05/13/2021 18:15	WG1670236
2-Hexanone	U	T8	0.00300	0.0167	1.63	05/13/2021 18:15	WG1670236
Isopropylbenzene	U	T8	0.000711	0.00167	1.63	05/13/2021 18:15	WG1670236
2-Butanone (MEK)	U	T8	0.00783	0.0167	1.63	05/13/2021 18:15	WG1670236
Methyl Acetate	U	T8	0.00502	0.0334	1.63	05/13/2021 18:15	WG1670236
Methyl Cyclohexane	U	T8	0.00129	0.00167	1.63	05/13/2021 18:15	WG1670236
Methylene Chloride	U	T8	0.00167	0.00836	1.63	05/13/2021 18:15	WG1670236
4-Methyl-2-pentanone (MIBK)	U	T8	0.00159	0.0167	1.63	05/13/2021 18:15	WG1670236
Methyl tert-butyl ether	U	T8	0.000586	0.00167	1.63	05/13/2021 18:15	WG1670236
Styrene	U	T8	0.000372	0.00167	1.63	05/13/2021 18:15	WG1670236
1,1,2,2-Tetrachloroethane	U	T8	0.000387	0.00167	1.63	05/13/2021 18:15	WG1670236
Tetrachloroethene	U	T8	0.000544	0.00167	1.63	05/13/2021 18:15	WG1670236
Toluene	U	T8	0.00205	0.00836	1.63	05/13/2021 18:15	WG1670236
1,2,3-Trichlorobenzene	U	T8	0.000512	0.00167	1.63	05/13/2021 18:15	WG1670236
1,2,4-Trichlorobenzene	U	T8	0.000648	0.00167	1.63	05/13/2021 18:15	WG1670236
1,1,1-Trichloroethane	U	T8	0.000619	0.00167	1.63	05/13/2021 18:15	WG1670236
1,1,2-Trichloroethane	U	T8	0.000711	0.00167	1.63	05/13/2021 18:15	WG1670236
Trichloroethene	U	T8	0.000334	0.00167	1.63	05/13/2021 18:15	WG1670236
Trichlorofluoromethane	U	T8	0.000595	0.00836	1.63	05/13/2021 18:15	WG1670236
1,1,2-Trichlorotrifluoroethane	U	T8	0.000712	0.00167	1.63	05/13/2021 18:15	WG1670236
Vinyl chloride	U	T8	0.000377	0.00167	1.63	05/13/2021 18:15	WG1670236
Xylenes, Total	U	T8	0.000836	0.00502	1.63	05/13/2021 18:15	WG1670236
(S) Toluene-d8	*110*			*75.0-131*		*05/13/2021 18:15*	WG1670236
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/13/2021 18:15*	WG1670236
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*05/13/2021 18:15*	WG1670236

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1.63	05/13/2021 18:15	WG1670236		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00608	0.0342	1	05/05/2021 03:06	WG1663447
Acenaphthene	U		0.00553	0.0342	1	05/05/2021 03:06	WG1663447
Acenaphthylene	U		0.00481	0.0342	1	05/05/2021 03:06	WG1663447
Benzo(a)anthracene	U		0.00602	0.0342	1	05/05/2021 03:06	WG1663447
Benzo(a)pyrene	U		0.00635	0.0342	1	05/05/2021 03:06	WG1663447
Benzo(b)fluoranthene	U		0.00637	0.0342	1	05/05/2021 03:06	WG1663447
Benzo(g,h,i)perylene	U		0.00625	0.0342	1	05/05/2021 03:06	WG1663447
Benzo(k)fluoranthene	U		0.00607	0.0342	1	05/05/2021 03:06	WG1663447

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chrysene	U		0.00679	0.0342	1	05/05/2021 03:06	WG1663447
Dibenz(a,h)anthracene	U		0.00947	0.0342	1	05/05/2021 03:06	WG1663447
Fluoranthene	U		0.00616	0.0342	1	05/05/2021 03:06	WG1663447
Fluorene	U		0.00556	0.0342	1	05/05/2021 03:06	WG1663447
Indeno(1,2,3-cd)pyrene	U		0.00965	0.0342	1	05/05/2021 03:06	WG1663447
Naphthalene	U		0.00858	0.0342	1	05/05/2021 03:06	WG1663447
Phenanthrene	U		0.00678	0.0342	1	05/05/2021 03:06	WG1663447
Pyrene	U		0.00665	0.0342	1	05/05/2021 03:06	WG1663447
(S) Nitrobenzene-d5	*83.5*			*31.0-146*		*05/05/2021 03:06*	WG1663447
(S) 2-Fluorobiphenyl	*91.3*			*31.0-130*		*05/05/2021 03:06*	WG1663447
(S) p-Terphenyl-d14	*121*			*20.0-127*		*05/05/2021 03:06*	WG1663447

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acetone	107		11.3	50.0	1	05/06/2021 14:51	WG1663922
Benzene	U		0.0941	1.00	1	05/06/2021 14:51	WG1663922
Bromochloromethane	U		0.128	1.00	1	05/06/2021 14:51	WG1663922
Bromodichloromethane	U		0.136	1.00	1	05/06/2021 14:51	WG1663922
Bromoform	U		0.129	1.00	1	05/06/2021 14:51	WG1663922
Bromomethane	U	C3	0.605	5.00	1	05/06/2021 14:51	WG1663922
Carbon disulfide	U		0.0962	1.00	1	05/06/2021 14:51	WG1663922
Carbon tetrachloride	U	C3	0.128	1.00	1	05/06/2021 14:51	WG1663922
Chlorobenzene	U		0.116	1.00	1	05/06/2021 14:51	WG1663922
Chlorodibromomethane	U		0.140	1.00	1	05/06/2021 14:51	WG1663922
Chloroethane	U		0.192	5.00	1	05/06/2021 14:51	WG1663922
Chloroform	U		0.111	5.00	1	05/06/2021 14:51	WG1663922
Chloromethane	U		0.960	2.50	1	05/06/2021 14:51	WG1663922
Cyclohexane	U		0.188	1.00	1	05/06/2021 14:51	WG1663922
1,2-Dibromo-3-Chloropropane	U	C3	0.276	5.00	1	05/06/2021 14:51	WG1663922
1,2-Dibromoethane	U		0.126	1.00	1	05/06/2021 14:51	WG1663922
1,2-Dichlorobenzene	U		0.107	1.00	1	05/06/2021 14:51	WG1663922
1,3-Dichlorobenzene	U		0.110	1.00	1	05/06/2021 14:51	WG1663922
1,4-Dichlorobenzene	U		0.120	1.00	1	05/06/2021 14:51	WG1663922
Dichlorodifluoromethane	U		0.374	5.00	1	05/06/2021 14:51	WG1663922
1,1-Dichloroethane	U		0.100	1.00	1	05/06/2021 14:51	WG1663922
1,2-Dichloroethane	U		0.0819	1.00	1	05/06/2021 14:51	WG1663922
1,1-Dichloroethene	U		0.188	1.00	1	05/06/2021 14:51	WG1663922
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/06/2021 14:51	WG1663922
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/06/2021 14:51	WG1663922
1,2-Dichloropropane	U		0.149	1.00	1	05/06/2021 14:51	WG1663922
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/06/2021 14:51	WG1663922
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/06/2021 14:51	WG1663922
Ethylbenzene	U		0.137	1.00	1	05/06/2021 14:51	WG1663922
2-Hexanone	U		0.787	10.0	1	05/06/2021 14:51	WG1663922
Isopropylbenzene	U		0.105	1.00	1	05/06/2021 14:51	WG1663922
2-Butanone (MEK)	U		1.19	10.0	1	05/06/2021 14:51	WG1663922
Methyl Acetate	U		1.29	20.0	1	05/06/2021 14:51	WG1663922
Methyl Cyclohexane	U		0.660	1.00	1	05/06/2021 14:51	WG1663922
Methylene Chloride	U		0.430	5.00	1	05/06/2021 14:51	WG1663922
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/06/2021 14:51	WG1663922
Methyl tert-butyl ether	U		0.101	1.00	1	05/06/2021 14:51	WG1663922
Naphthalene	U	C3	1.00	5.00	1	05/06/2021 14:51	WG1663922
tert-Butyl alcohol	U		4.06	5.00	1	05/12/2021 17:11	WG1669224
Styrene	U		0.118	1.00	1	05/06/2021 14:51	WG1663922
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/06/2021 14:51	WG1663922
Tetrachloroethene	U		0.300	1.00	1	05/06/2021 14:51	WG1663922
Toluene	U		0.278	1.00	1	05/06/2021 14:51	WG1663922
1,2,3-Trichlorobenzene	U	C3	0.230	1.00	1	05/06/2021 14:51	WG1663922
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/06/2021 14:51	WG1663922
1,1,1-Trichloroethane	U		0.149	1.00	1	05/06/2021 14:51	WG1663922
1,1,2-Trichloroethane	U		0.158	1.00	1	05/06/2021 14:51	WG1663922
Trichloroethene	U		0.190	1.00	1	05/06/2021 14:51	WG1663922
Trichlorofluoromethane	U		0.160	5.00	1	05/06/2021 14:51	WG1663922
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	05/06/2021 14:51	WG1663922
Vinyl chloride	U		0.234	1.00	1	05/06/2021 14:51	WG1663922
Xylenes, Total	U		0.174	3.00	1	05/06/2021 14:51	WG1663922
(S) Toluene-d8	*116*			*80.0-120*		*05/06/2021 14:51*	WG1663922
(S) Toluene-d8	*99.1*			*80.0-120*		*05/12/2021 17:11*	WG1669224
(S) 4-Bromofluorobenzene	*90.7*			*77.0-126*		*05/06/2021 14:51*	WG1663922
(S) 4-Bromofluorobenzene	*87.4*			*77.0-126*		*05/12/2021 17:11*	WG1669224

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*		*05/06/2021 14:51*	WG1663922
(S) 1,2-Dichloroethane-d4	*92.8*			*70.0-130*		*05/12/2021 17:11*	WG1669224

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	CAS #	RT
	ug/l		ug/l	ug/l		date / time			
Total Tic	70.5	J N	0.000	0.000	1	05/06/2021 14:51	WG1663922		
Total Tic	0.000		0.000	0.000	1	05/12/2021 17:11	WG1669224		
Benzene, Fluoro-	11.6	J N	0.000	0.000	1	05/06/2021 14:51	WG1663922	462-06-6	4.87
Benzene, (Trifluoromethyl)-	5.02	J N	0.000	0.000	1	05/06/2021 14:51	WG1663922	98-08-8	5.39
C6d5cd3	11.0	J N	0.000	0.000	1	05/06/2021 14:51	WG1663922	2037-26-5	5.91
Benzene-D5-, Chloro-	18.9	J N	0.000	0.000	1	05/06/2021 14:51	WG1663922	3114-55-4	7.05
1H,1H,2H,2H-Perfluorooctan-1-Ol	0.555	J N	0.000	0.000	1	05/06/2021 14:51	WG1663922	647-42-7	7.47
2-Furancarboxaldehyde	1.63	J N	0.000	0.000	1	05/06/2021 14:51	WG1663922	98-01-1	7.69
Benzene, 1-Bromo-3-Fluoro-	9.37	J N	0.000	0.000	1	05/06/2021 14:51	WG1663922	1073-06-9	8.01
1,4-Dichlorobenzene-D4	12.4	J N	0.000	0.000	1	05/06/2021 14:51	WG1663922	3855-82-1	8.97

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	82.7		1	05/03/2021 12:03	WG1663192

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.234		0.0218	0.0484	1	05/04/2021 11:19	WG1661378

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	6460		7.35	12.1	1	05/03/2021 16:47	WG1662149
Antimony	U		0.658	2.42	1	05/03/2021 16:47	WG1662149
Arsenic	6.05		0.626	2.42	1	05/03/2021 16:47	WG1662149
Barium	57.4		0.103	0.605	1	05/03/2021 16:47	WG1662149
Beryllium	0.699		0.0381	0.242	1	05/03/2021 16:47	WG1662149
Cadmium	0.254	J	0.0570	0.605	1	05/03/2021 16:47	WG1662149
Calcium	11900		12.8	121	1	05/03/2021 16:47	WG1662149
Chromium	21.3		0.161	1.21	1	05/03/2021 16:47	WG1662149
Cobalt	4.51		0.0981	1.21	1	05/03/2021 16:47	WG1662149
Copper	13.2		0.484	2.42	1	05/03/2021 16:47	WG1662149
Iron	16300		2.71	12.1	1	05/03/2021 16:47	WG1662149
Lead	74.8		0.252	0.605	1	05/03/2021 16:47	WG1662149
Magnesium	2590		8.93	121	1	05/03/2021 16:47	WG1662149
Manganese	83.4		0.161	1.21	1	05/03/2021 16:47	WG1662149
Nickel	8.66		0.160	2.42	1	05/03/2021 16:47	WG1662149
Potassium	1000		25.3	121	1	05/03/2021 16:47	WG1662149
Selenium	1.16	B J	0.924	2.42	1	05/03/2021 16:47	WG1662149
Silver	U		0.154	1.21	1	05/03/2021 16:47	WG1662149
Sodium	113	J	49.8	121	1	05/03/2021 16:47	WG1662149
Thallium	0.755	J	0.477	2.42	1	05/03/2021 16:47	WG1662149
Vanadium	27.6		0.612	2.42	1	05/03/2021 16:47	WG1662149
Zinc	93.2		1.01	6.05	1	05/03/2021 16:47	WG1662149

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	0.0845		0.00717	0.0403	1	05/05/2021 04:08	WG1663447
Acenaphthene	0.0265	J	0.00652	0.0403	1	05/05/2021 04:08	WG1663447
Acenaphthylene	0.0200	J	0.00567	0.0403	1	05/05/2021 04:08	WG1663447
Benzo(a)anthracene	0.319		0.00710	0.0403	1	05/05/2021 04:08	WG1663447
Benzo(a)pyrene	0.313		0.00749	0.0403	1	05/05/2021 04:08	WG1663447
Benzo(b)fluoranthene	0.376		0.00751	0.0403	1	05/05/2021 04:08	WG1663447
Benzo(g,h,i)perylene	0.229		0.00737	0.0403	1	05/05/2021 04:08	WG1663447
Benzo(k)fluoranthene	0.174		0.00716	0.0403	1	05/05/2021 04:08	WG1663447
Chrysene	0.339		0.00801	0.0403	1	05/05/2021 04:08	WG1663447
Dibenz(a,h)anthracene	0.0583		0.0112	0.0403	1	05/05/2021 04:08	WG1663447
Fluoranthene	0.603		0.00727	0.0403	1	05/05/2021 04:08	WG1663447
Fluorene	0.0288	J	0.00655	0.0403	1	05/05/2021 04:08	WG1663447
Indeno(1,2,3-cd)pyrene	0.259		0.0114	0.0403	1	05/05/2021 04:08	WG1663447
Naphthalene	0.0392	J	0.0101	0.0403	1	05/05/2021 04:08	WG1663447
Phenanthrene	0.409		0.00799	0.0403	1	05/05/2021 04:08	WG1663447
Pyrene	0.571		0.00784	0.0403	1	05/05/2021 04:08	WG1663447
(S) Nitrobenzene-d5	*78.8*			*31.0-146*		*05/05/2021 04:08*	WG1663447
(S) 2-Fluorobiphenyl	*83.3*			*31.0-130*		*05/05/2021 04:08*	WG1663447

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) p-Terphenyl-d14	*96.3*			*20.0-127*		*05/05/2021 04:08*	WG1663447

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.5		1	05/05/2021 08:18	WG1664008

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0784	0.267	1	05/06/2021 22:51	WG1665185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0193	0.0428	1	05/04/2021 19:37	WG1663943

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	2420		6.50	10.7	1	05/05/2021 04:51	WG1664245
Antimony	U		0.582	2.14	1	05/05/2021 04:51	WG1664245
Arsenic	1.35	J	0.554	2.14	1	05/05/2021 04:51	WG1664245
Barium	5.64		0.0911	0.535	1	05/05/2021 04:51	WG1664245
Beryllium	0.179	J	0.0337	0.214	1	05/05/2021 04:51	WG1664245
Cadmium	U		0.0504	0.535	1	05/05/2021 04:51	WG1664245
Calcium	185		11.3	107	1	05/05/2021 04:51	WG1664245
Chromium	5.32		0.142	1.07	1	05/05/2021 04:51	WG1664245
Cobalt	1.54		0.0867	1.07	1	05/05/2021 04:51	WG1664245
Copper	3.26		0.428	2.14	1	05/05/2021 04:51	WG1664245
Iron	5160		2.40	10.7	1	05/05/2021 04:51	WG1664245
Lead	1.47		0.222	0.535	1	05/05/2021 04:51	WG1664245
Magnesium	654		7.89	107	1	05/05/2021 04:51	WG1664245
Manganese	20.2		0.142	1.07	1	05/05/2021 04:51	WG1664245
Nickel	3.77		0.141	2.14	1	05/05/2021 04:51	WG1664245
Potassium	419		22.4	107	1	05/05/2021 04:51	WG1664245
Selenium	U		0.817	2.14	1	05/05/2021 04:51	WG1664245
Silver	U		0.136	1.07	1	05/05/2021 04:51	WG1664245
Sodium	85.5	B J	44.1	107	1	05/05/2021 04:51	WG1664245
Thallium	U		0.421	2.14	1	05/05/2021 04:51	WG1664245
Vanadium	6.59		0.541	2.14	1	05/05/2021 04:51	WG1664245
Zinc	10.3		0.890	5.35	1	05/05/2021 04:51	WG1664245

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0221	0.0535	1	05/07/2021 14:44	WG1666269
Benzene	U		0.000401	0.00107	1	05/07/2021 14:44	WG1666269
Bromochloromethane	U		0.000358	0.00107	1	05/07/2021 14:44	WG1666269
Bromodichloromethane	U		0.000775	0.00107	1	05/07/2021 14:44	WG1666269
Bromoform	U		0.000454	0.00107	1	05/07/2021 14:44	WG1666269
Bromomethane	U		0.00125	0.00535	1	05/07/2021 14:44	WG1666269
Carbon disulfide	U		0.000749	0.00107	1	05/07/2021 14:44	WG1666269
Carbon tetrachloride	U		0.000265	0.00107	1	05/07/2021 14:44	WG1666269
Chlorobenzene	U		0.000205	0.00107	1	05/07/2021 14:44	WG1666269
Chlorodibromomethane	U		0.000240	0.00107	1	05/07/2021 14:44	WG1666269
Chloroethane	U		0.00107	0.00535	1	05/07/2021 14:44	WG1666269
Chloroform	U		0.00110	0.00535	1	05/07/2021 14:44	WG1666269
Chloromethane	U		0.000695	0.00267	1	05/07/2021 14:44	WG1666269

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000287	0.00107	1	05/07/2021 14:44	WG1666269
1,2-Dibromo-3-Chloropropane	U		0.00203	0.00535	1	05/07/2021 14:44	WG1666269
1,2-Dibromoethane	U		0.000267	0.00107	1	05/07/2021 14:44	WG1666269
Dichlorodifluoromethane	U		0.000307	0.00535	1	05/07/2021 14:44	WG1666269
1,1-Dichloroethane	U		0.000287	0.00107	1	05/07/2021 14:44	WG1666269
1,2-Dichloroethane	U		0.000481	0.00107	1	05/07/2021 14:44	WG1666269
1,2-Dichlorobenzene	U		0.000455	0.00107	1	05/07/2021 14:44	WG1666269
1,3-Dichlorobenzene	U		0.000642	0.00107	1	05/07/2021 14:44	WG1666269
1,4-Dichlorobenzene	U		0.000888	0.00107	1	05/07/2021 14:44	WG1666269
1,1-Dichloroethene	U		0.000380	0.00107	1	05/07/2021 14:44	WG1666269
cis-1,2-Dichloroethene	U		0.000508	0.00107	1	05/07/2021 14:44	WG1666269
trans-1,2-Dichloroethene	U		0.000535	0.00107	1	05/07/2021 14:44	WG1666269
1,2-Dichloropropane	U		0.000175	0.00107	1	05/07/2021 14:44	WG1666269
cis-1,3-Dichloropropene	U		0.000455	0.00107	1	05/07/2021 14:44	WG1666269
trans-1,3-Dichloropropene	U		0.000722	0.00107	1	05/07/2021 14:44	WG1666269
Ethylbenzene	U		0.000321	0.00107	1	05/07/2021 14:44	WG1666269
2-Hexanone	U		0.00191	0.0107	1	05/07/2021 14:44	WG1666269
Isopropylbenzene	U		0.000455	0.00107	1	05/07/2021 14:44	WG1666269
2-Butanone (MEK)	U		0.00501	0.0107	1	05/07/2021 14:44	WG1666269
Methyl Acetate	U		0.00321	0.0214	1	05/07/2021 14:44	WG1666269
Methyl Cyclohexane	U		0.000829	0.00107	1	05/07/2021 14:44	WG1666269
Methylene Chloride	U		0.00107	0.00535	1	05/07/2021 14:44	WG1666269
4-Methyl-2-pentanone (MIBK)	U		0.00102	0.0107	1	05/07/2021 14:44	WG1666269
Methyl tert-butyl ether	U		0.000374	0.00107	1	05/07/2021 14:44	WG1666269
Styrene	U		0.000239	0.00107	1	05/07/2021 14:44	WG1666269
1,1,2,2-Tetrachloroethane	U		0.000247	0.00107	1	05/07/2021 14:44	WG1666269
Tetrachloroethene	U		0.000348	0.00107	1	05/07/2021 14:44	WG1666269
Toluene	U		0.00132	0.00535	1	05/07/2021 14:44	WG1666269
1,2,3-Trichlorobenzene	U		0.000327	0.00107	1	05/07/2021 14:44	WG1666269
1,2,4-Trichlorobenzene	U		0.000415	0.00107	1	05/07/2021 14:44	WG1666269
1,1,1-Trichloroethane	U		0.000396	0.00107	1	05/07/2021 14:44	WG1666269
1,1,2-Trichloroethane	U		0.000455	0.00107	1	05/07/2021 14:44	WG1666269
Trichloroethene	U		0.000214	0.00107	1	05/07/2021 14:44	WG1666269
Trichlorofluoromethane	U		0.000381	0.00535	1	05/07/2021 14:44	WG1666269
1,1,2-Trichlorotrifluoroethane	U		0.000456	0.00107	1	05/07/2021 14:44	WG1666269
Vinyl chloride	U		0.000242	0.00107	1	05/07/2021 14:44	WG1666269
Xylenes, Total	U		0.000535	0.00321	1	05/07/2021 14:44	WG1666269
(S) Toluene-d8	*111*			*75.0-131*		*05/07/2021 14:44*	WG1666269
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/07/2021 14:44*	WG1666269
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*05/07/2021 14:44*	WG1666269

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/07/2021 14:44	WG1666269		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

TPH by Method NJDEP EPH

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
EPH Screen	U		7.59	21.4	1	05/05/2021 22:26	WG1664182
(S) o-Terphenyl	*72.5*		*6.67*	*40.0-140*		*05/05/2021 22:26*	WG1664182

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00402	0.0214	1	05/05/2021 20:21	WG1664100
Alpha BHC	U		0.00394	0.0214	1	05/05/2021 20:21	WG1664100
Beta BHC	U		0.00405	0.0214	1	05/05/2021 20:21	WG1664100
Delta BHC	U		0.00370	0.0214	1	05/05/2021 20:21	WG1664100
Gamma BHC	U		0.00368	0.0214	1	05/05/2021 20:21	WG1664100
Chlordane	U		0.110	0.321	1	05/05/2021 20:21	WG1664100
4,4-DDD	U		0.00396	0.0214	1	05/05/2021 20:21	WG1664100
4,4-DDE	U		0.00391	0.0214	1	05/05/2021 20:21	WG1664100
4,4-DDT	U		0.00671	0.0214	1	05/05/2021 20:21	WG1664100
Dieldrin	U		0.00368	0.0214	1	05/05/2021 20:21	WG1664100
Endosulfan I	U		0.00388	0.0214	1	05/05/2021 20:21	WG1664100
Endosulfan II	U		0.00358	0.0214	1	05/05/2021 20:21	WG1664100
Endosulfan sulfate	U		0.00389	0.0214	1	05/05/2021 20:21	WG1664100
Endrin	U		0.00374	0.0214	1	05/05/2021 20:21	WG1664100
Endrin aldehyde	U		0.00363	0.0214	1	05/05/2021 20:21	WG1664100
Endrin ketone	U		0.00760	0.0214	1	05/05/2021 20:21	WG1664100
Hexachlorobenzene	U		0.00370	0.0214	1	05/05/2021 20:21	WG1664100
Heptachlor	U		0.00458	0.0214	1	05/05/2021 20:21	WG1664100
Heptachlor epoxide	U		0.00363	0.0214	1	05/05/2021 20:21	WG1664100
Methoxychlor	U		0.00518	0.0214	1	05/05/2021 20:21	WG1664100
Toxaphene	U		0.133	0.428	1	05/05/2021 20:21	WG1664100
(S) Decachlorobiphenyl	*72.9*			*30.0-150*		*05/05/2021 20:21*	WG1664100
(S) Tetrachloro-m-xylene	*71.0*			*30.0-150*		*05/05/2021 20:21*	WG1664100

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0126	0.0364	1	05/05/2021 18:14	WG1664100
PCB 1221	U		0.0126	0.0364	1	05/05/2021 18:14	WG1664100
PCB 1232	U		0.0126	0.0364	1	05/05/2021 18:14	WG1664100
PCB 1242	U		0.0126	0.0364	1	05/05/2021 18:14	WG1664100
PCB 1248	U		0.00789	0.0182	1	05/05/2021 18:14	WG1664100
PCB 1254	U		0.00789	0.0182	1	05/05/2021 18:14	WG1664100
PCB 1260	U		0.00789	0.0182	1	05/05/2021 18:14	WG1664100
Total PCBs	U		0.00789	0.0182	1	05/05/2021 18:14	WG1664100
(S) Decachlorobiphenyl	*92.3*			*30.0-150*		*05/05/2021 18:14*	WG1664100
(S) Tetrachloro-m-xylene	*87.5*			*30.0-150*		*05/05/2021 18:14*	WG1664100

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00577	0.0356	1	05/06/2021 04:05	WG1663445
Acenaphthylene	U	J4	0.00502	0.0356	1	05/06/2021 04:05	WG1663445
Acetophenone	U		0.0111	0.356	1	05/06/2021 04:05	WG1663445
Anthracene	U	J4	0.00634	0.0356	1	05/06/2021 04:05	WG1663445
Atrazine	U		0.0123	0.356	1	05/06/2021 04:05	WG1663445
Benzaldehyde	U		0.0189	0.356	1	05/06/2021 04:05	WG1663445
Benzo(a)anthracene	U		0.00628	0.0356	1	05/06/2021 04:05	WG1663445
Benzo(b)fluoranthene	U		0.00664	0.0356	1	05/06/2021 04:05	WG1663445
Benzo(k)fluoranthene	U		0.00633	0.0356	1	05/06/2021 04:05	WG1663445
Benzo(g,h,i)perylene	U		0.00651	0.0356	1	05/06/2021 04:05	WG1663445
Benzo(a)pyrene	U		0.00662	0.0356	1	05/06/2021 04:05	WG1663445
Biphenyl	U	J4	0.0113	0.356	1	05/06/2021 04:05	WG1663445
Bis(2-chlorethoxy)methane	U	J4	0.0107	0.356	1	05/06/2021 04:05	WG1663445
Bis(2-chloroethyl)ether	U	J4	0.0118	0.356	1	05/06/2021 04:05	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0154	0.356	1	05/06/2021 04:05	WG1663445
4-Bromophenyl-phenylether	U		0.0125	0.356	1	05/06/2021 04:05	WG1663445
Caprolactam	U		0.0176	0.356	1	05/06/2021 04:05	WG1663445
Carbazole	U		0.0110	0.356	1	05/06/2021 04:05	WG1663445
4-Chloroaniline	U	J4	0.0128	0.356	1	05/06/2021 04:05	WG1663445
2-Chloronaphthalene	U	J4	0.00626	0.0356	1	05/06/2021 04:05	WG1663445
4-Chlorophenyl-phenylether	U	J4	0.0124	0.356	1	05/06/2021 04:05	WG1663445
Chrysene	U		0.00708	0.0356	1	05/06/2021 04:05	WG1663445
Dibenz(a,h)anthracene	U		0.00987	0.0356	1	05/06/2021 04:05	WG1663445
Dibenzofuran	U	J4	0.0117	0.356	1	05/06/2021 04:05	WG1663445
3,3-Dichlorobenzidine	U		0.0132	0.356	1	05/06/2021 04:05	WG1663445
2,4-Dinitrotoluene	U		0.0102	0.356	1	05/06/2021 04:05	WG1663445
2,6-Dinitrotoluene	U		0.0117	0.356	1	05/06/2021 04:05	WG1663445
Fluoranthene	U		0.00643	0.0356	1	05/06/2021 04:05	WG1663445
Fluorene	U	J4	0.00580	0.0356	1	05/06/2021 04:05	WG1663445
Hexachlorobenzene	U		0.0126	0.356	1	05/06/2021 04:05	WG1663445
Hexachloro-1,3-butadiene	U	J4	0.0120	0.356	1	05/06/2021 04:05	WG1663445
Hexachlorocyclopentadiene	U		0.0187	0.356	1	05/06/2021 04:05	WG1663445
Hexachloroethane	U		0.0140	0.356	1	05/06/2021 04:05	WG1663445
Indeno(1,2,3-cd)pyrene	U		0.0101	0.0356	1	05/06/2021 04:05	WG1663445
Isophorone	U	J4	0.0109	0.356	1	05/06/2021 04:05	WG1663445
2-Methylnaphthalene	U	J4	0.00462	0.0356	1	05/06/2021 04:05	WG1663445
Naphthalene	U	J4	0.00894	0.0356	1	05/06/2021 04:05	WG1663445
2-Nitroaniline	U		0.0114	0.356	1	05/06/2021 04:05	WG1663445
3-Nitroaniline	U		0.0113	0.356	1	05/06/2021 04:05	WG1663445
4-Nitroaniline	U		0.0104	0.356	1	05/06/2021 04:05	WG1663445
Nitrobenzene	U	J4	0.0124	0.356	1	05/06/2021 04:05	WG1663445
n-Nitrosodiphenylamine	U		0.0270	0.356	1	05/06/2021 04:05	WG1663445
n-Nitrosodi-n-propylamine	U	J4	0.0119	0.356	1	05/06/2021 04:05	WG1663445
Phenanthrene	U	J4	0.00707	0.0356	1	05/06/2021 04:05	WG1663445
Benzylbutyl phthalate	U		0.0111	0.356	1	05/06/2021 04:05	WG1663445
Bis(2-ethylhexyl)phthalate	U		0.0451	0.356	1	05/06/2021 04:05	WG1663445
Di-n-butyl phthalate	U	J4	0.0122	0.356	1	05/06/2021 04:05	WG1663445
Diethyl phthalate	U		0.0118	0.356	1	05/06/2021 04:05	WG1663445
Dimethyl phthalate	U		0.0755	0.356	1	05/06/2021 04:05	WG1663445
Di-n-octyl phthalate	U		0.0241	0.356	1	05/06/2021 04:05	WG1663445
Pyrene	U		0.00693	0.0356	1	05/06/2021 04:05	WG1663445
1,2,4,5-Tetrachlorobenzene	U	J4	0.0170	0.356	1	05/06/2021 04:05	WG1663445
4-Chloro-3-methylphenol	U	J4	0.0116	0.356	1	05/06/2021 04:05	WG1663445
2-Chlorophenol	U	J4	0.0118	0.356	1	05/06/2021 04:05	WG1663445
2-Methylphenol	U	J4	0.0107	0.356	1	05/06/2021 04:05	WG1663445
3&4-Methyl Phenol	U		0.0111	0.356	1	05/06/2021 04:05	WG1663445
2,4-Dichlorophenol	U	J4	0.0104	0.356	1	05/06/2021 04:05	WG1663445
2,4-Dimethylphenol	U	J4	0.00931	0.356	1	05/06/2021 04:05	WG1663445
4,6-Dinitro-2-methylphenol	U	J4	0.0808	0.356	1	05/06/2021 04:05	WG1663445
2,4-Dinitrophenol	U		0.0833	0.356	1	05/06/2021 04:05	WG1663445
2-Nitrophenol	U	J4	0.0127	0.356	1	05/06/2021 04:05	WG1663445
4-Nitrophenol	U		0.0111	0.356	1	05/06/2021 04:05	WG1663445
Pentachlorophenol	U		0.00958	0.356	1	05/06/2021 04:05	WG1663445
Phenol	U		0.0143	0.356	1	05/06/2021 04:05	WG1663445
2,4,5-Trichlorophenol	U	J4	0.0121	0.356	1	05/06/2021 04:05	WG1663445
2,4,6-Trichlorophenol	U	J4	0.0114	0.356	1	05/06/2021 04:05	WG1663445
(S) 2-Fluorophenol	*78.8*			*30.0-130*		*05/06/2021 04:05*	WG1663445
(S) Phenol-d5	*70.7*			*30.0-130*		*05/06/2021 04:05*	WG1663445
(S) Nitrobenzene-d5	*61.9*			*30.0-130*		*05/06/2021 04:05*	WG1663445
(S) 2-Fluorobiphenyl	*75.1*			*30.0-130*		*05/06/2021 04:05*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*73.4*			*30.0-130*		*05/06/2021 04:05*	WG1663445
(S) p-Terphenyl-d14	*77.5*			*30.0-130*		*05/06/2021 04:05*	WG1663445

Semi Volatile Organic Compounds (GC/MS) by Method 8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.149	J N	0.000	0.000	1	05/06/2021 04:05	WG1663445		
Unknown-01	0.149	J N	0.000	0.000	1	05/06/2021 04:05	WG1663445	000123-42-2	2.68

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.7		1	05/05/2021 08:18	WG1664008

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0194	0.0432	1	05/04/2021 19:06	WG1663943

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	286		6.56	10.8	1	05/05/2021 04:54	WG1664245
Antimony	U		0.587	2.16	1	05/05/2021 04:54	WG1664245
Arsenic	0.573	J	0.559	2.16	1	05/05/2021 04:54	WG1664245
Barium	1.27		0.0919	0.540	1	05/05/2021 04:54	WG1664245
Beryllium	0.0572	J	0.0340	0.216	1	05/05/2021 04:54	WG1664245
Cadmium	U		0.0508	0.540	1	05/05/2021 04:54	WG1664245
Calcium	51.5	J	11.4	108	1	05/05/2021 04:54	WG1664245
Chromium	0.871	J	0.144	1.08	1	05/05/2021 04:54	WG1664245
Cobalt	0.369	J	0.0875	1.08	1	05/05/2021 04:54	WG1664245
Copper	0.467	J	0.432	2.16	1	05/05/2021 04:54	WG1664245
Iron	800		2.42	10.8	1	05/05/2021 04:54	WG1664245
Lead	0.446	J	0.224	0.540	1	05/05/2021 04:54	WG1664245
Magnesium	25.1	J	7.96	108	1	05/05/2021 04:54	WG1664245
Manganese	1.05	J	0.144	1.08	1	05/05/2021 04:54	WG1664245
Nickel	0.240	J	0.142	2.16	1	05/05/2021 04:54	WG1664245
Potassium	116		22.6	108	1	05/05/2021 04:54	WG1664245
Selenium	U		0.824	2.16	1	05/05/2021 04:54	WG1664245
Silver	U		0.137	1.08	1	05/05/2021 04:54	WG1664245
Sodium	67.2	B J	44.5	108	1	05/05/2021 04:54	WG1664245
Thallium	U		0.425	2.16	1	05/05/2021 04:54	WG1664245
Vanadium	1.78	J	0.546	2.16	1	05/05/2021 04:54	WG1664245
Zinc	2.91	J	0.898	5.40	1	05/05/2021 04:54	WG1664245

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	T8	0.0223	0.0540	1	05/13/2021 18:36	WG1670236
Benzene	U	T8	0.000405	0.00108	1	05/13/2021 18:36	WG1670236
Bromochloromethane	U	T8	0.000361	0.00108	1	05/13/2021 18:36	WG1670236
Bromodichloromethane	U	T8	0.000782	0.00108	1	05/13/2021 18:36	WG1670236
Bromoform	U	T8	0.000458	0.00108	1	05/13/2021 18:36	WG1670236
Bromomethane	U	T8	0.00126	0.00540	1	05/13/2021 18:36	WG1670236
Carbon disulfide	U	T8	0.000755	0.00108	1	05/13/2021 18:36	WG1670236
Carbon tetrachloride	U	T8	0.000268	0.00108	1	05/13/2021 18:36	WG1670236
Chlorobenzene	U	T8	0.000207	0.00108	1	05/13/2021 18:36	WG1670236
Chlorodibromomethane	U	T8	0.000242	0.00108	1	05/13/2021 18:36	WG1670236
Chloroethane	U	T8	0.00108	0.00540	1	05/13/2021 18:36	WG1670236
Chloroform	U	T8	0.00111	0.00540	1	05/13/2021 18:36	WG1670236
Chloromethane	U	T8	0.000701	0.00270	1	05/13/2021 18:36	WG1670236
Cyclohexane	U	T8	0.000289	0.00108	1	05/13/2021 18:36	WG1670236
1,2-Dibromo-3-Chloropropane	U	T8	0.00205	0.00540	1	05/13/2021 18:36	WG1670236
1,2-Dibromoethane	U	T8	0.000270	0.00108	1	05/13/2021 18:36	WG1670236
Dichlorodifluoromethane	U	T8	0.000310	0.00540	1	05/13/2021 18:36	WG1670236
1,1-Dichloroethane	U	T8	0.000289	0.00108	1	05/13/2021 18:36	WG1670236

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U	T8	0.000486	0.00108	1	05/13/2021 18:36	WG1670236
1,2-Dichlorobenzene	U	T8	0.000459	0.00108	1	05/13/2021 18:36	WG1670236
1,3-Dichlorobenzene	U	T8	0.000647	0.00108	1	05/13/2021 18:36	WG1670236
1,4-Dichlorobenzene	U	T8	0.000896	0.00108	1	05/13/2021 18:36	WG1670236
1,1-Dichloroethene	U	T8	0.000383	0.00108	1	05/13/2021 18:36	WG1670236
cis-1,2-Dichloroethene	U	T8	0.000513	0.00108	1	05/13/2021 18:36	WG1670236
trans-1,2-Dichloroethene	U	T8	0.000540	0.00108	1	05/13/2021 18:36	WG1670236
1,2-Dichloropropane	U	T8	0.000177	0.00108	1	05/13/2021 18:36	WG1670236
cis-1,3-Dichloropropene	U	T8	0.000459	0.00108	1	05/13/2021 18:36	WG1670236
trans-1,3-Dichloropropene	U	T8	0.000728	0.00108	1	05/13/2021 18:36	WG1670236
Ethylbenzene	U	T8	0.000324	0.00108	1	05/13/2021 18:36	WG1670236
2-Hexanone	U	T8	0.00193	0.0108	1	05/13/2021 18:36	WG1670236
Isopropylbenzene	U	T8	0.000459	0.00108	1	05/13/2021 18:36	WG1670236
2-Butanone (MEK)	U	T8	0.00505	0.0108	1	05/13/2021 18:36	WG1670236
Methyl Acetate	U	T8	0.00324	0.0216	1	05/13/2021 18:36	WG1670236
Methyl Cyclohexane	U	T8	0.000836	0.00108	1	05/13/2021 18:36	WG1670236
Methylene Chloride	U	T8	0.00108	0.00540	1	05/13/2021 18:36	WG1670236
4-Methyl-2-pentanone (MIBK)	U	T8	0.00103	0.0108	1	05/13/2021 18:36	WG1670236
Methyl tert-butyl ether	U	T8	0.000378	0.00108	1	05/13/2021 18:36	WG1670236
Styrene	U	T8	0.000241	0.00108	1	05/13/2021 18:36	WG1670236
1,1,2,2-Tetrachloroethane	U	T8	0.000249	0.00108	1	05/13/2021 18:36	WG1670236
Tetrachloroethene	U	T8	0.000351	0.00108	1	05/13/2021 18:36	WG1670236
Toluene	U	T8	0.00133	0.00540	1	05/13/2021 18:36	WG1670236
1,2,3-Trichlorobenzene	U	T8	0.000330	0.00108	1	05/13/2021 18:36	WG1670236
1,2,4-Trichlorobenzene	U	T8	0.000419	0.00108	1	05/13/2021 18:36	WG1670236
1,1,1-Trichloroethane	U	T8	0.000399	0.00108	1	05/13/2021 18:36	WG1670236
1,1,2-Trichloroethane	U	T8	0.000459	0.00108	1	05/13/2021 18:36	WG1670236
Trichloroethene	U	T8	0.000216	0.00108	1	05/13/2021 18:36	WG1670236
Trichlorofluoromethane	U	T8	0.000384	0.00540	1	05/13/2021 18:36	WG1670236
1,1,2-Trichlorotrifluoroethane	U	T8	0.000460	0.00108	1	05/13/2021 18:36	WG1670236
Vinyl chloride	U	T8	0.000244	0.00108	1	05/13/2021 18:36	WG1670236
Xylenes, Total	U	T8	0.000540	0.00324	1	05/13/2021 18:36	WG1670236
(S) Toluene-d8	*108*			*75.0-131*		*05/13/2021 18:36*	WG1670236
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*05/13/2021 18:36*	WG1670236
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*05/13/2021 18:36*	WG1670236

Volatile Organic Compounds (GC/MS) by Method 8260B/8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/13/2021 18:36	WG1670236		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00640	0.0359	1	05/06/2021 00:15	WG1664488
Acenaphthene	U		0.00582	0.0359	1	05/06/2021 00:15	WG1664488
Acenaphthylene	U		0.00506	0.0359	1	05/06/2021 00:15	WG1664488
Benzo(a)anthracene	U		0.00633	0.0359	1	05/06/2021 00:15	WG1664488
Benzo(a)pyrene	U		0.00668	0.0359	1	05/06/2021 00:15	WG1664488
Benzo(b)fluoranthene	U		0.00670	0.0359	1	05/06/2021 00:15	WG1664488
Benzo(g,h,i)perylene	U		0.00657	0.0359	1	05/06/2021 00:15	WG1664488
Benzo(k)fluoranthene	U		0.00639	0.0359	1	05/06/2021 00:15	WG1664488

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Chrysene	U		0.00714	0.0359	1	05/06/2021 00:15	WG1664488
Dibenz(a,h)anthracene	U		0.00996	0.0359	1	05/06/2021 00:15	WG1664488
Fluoranthene	U		0.00649	0.0359	1	05/06/2021 00:15	WG1664488
Fluorene	U		0.00585	0.0359	1	05/06/2021 00:15	WG1664488
Indeno(1,2,3-cd)pyrene	U		0.0102	0.0359	1	05/06/2021 00:15	WG1664488
Naphthalene	U		0.00902	0.0359	1	05/06/2021 00:15	WG1664488
Phenanthrene	U		0.00713	0.0359	1	05/06/2021 00:15	WG1664488
Pyrene	U		0.00699	0.0359	1	05/06/2021 00:15	WG1664488
(S) Nitrobenzene-d5	*78.0*			*31.0-146*		*05/06/2021 00:15*	WG1664488
(S) 2-Fluorobiphenyl	*84.0*			*31.0-130*		*05/06/2021 00:15*	WG1664488
(S) p-Terphenyl-d14	*99.0*			*20.0-127*		*05/06/2021 00:15*	WG1664488

Wet Chemistry by Method 4500CN E-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Cyanide	U		1.80	5.00	1	05/05/2021 12:21	WG1663035

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	U		0.100	0.200	1	05/05/2021 12:14	WG1663739

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Aluminum	U		18.5	100	1	05/09/2021 12:51	WG1666333
Antimony	U		1.03	4.00	1	05/09/2021 12:51	WG1666333
Arsenic	U		0.180	2.00	1	05/09/2021 12:51	WG1666333
Barium	0.792	J	0.381	20.0	1	05/09/2021 12:51	WG1666333
Beryllium	U		0.190	2.00	1	05/09/2021 12:51	WG1666333
Cadmium	U		0.150	1.00	1	05/09/2021 12:51	WG1666333
Calcium	412	J	93.6	1000	1	05/09/2021 12:51	WG1666333
Chromium	U		1.24	2.00	1	05/09/2021 12:51	WG1666333
Copper	1.76	J	1.51	5.00	1	05/09/2021 12:51	WG1666333
Cobalt	U		0.0596	2.00	1	05/09/2021 12:51	WG1666333
Iron	U		28.1	100	1	05/09/2021 12:51	WG1666333
Lead	U		0.849	2.00	1	05/09/2021 12:51	WG1666333
Magnesium	U		73.5	1000	1	05/09/2021 12:51	WG1666333
Manganese	3.06	J	0.704	5.00	1	05/09/2021 12:51	WG1666333
Nickel	U		0.816	2.00	1	05/09/2021 12:51	WG1666333
Potassium	169	B J	108	2000	1	05/09/2021 12:51	WG1666333
Selenium	U		0.300	2.00	1	05/09/2021 12:51	WG1666333
Silver	U		0.0700	2.00	1	05/09/2021 12:51	WG1666333
Sodium	U		376	2000	1	05/09/2021 12:51	WG1666333
Thallium	U		0.121	2.00	1	05/09/2021 12:51	WG1666333
Vanadium	U		0.664	5.00	1	05/09/2021 12:51	WG1666333
Zinc	U		3.02	25.0	1	05/09/2021 12:51	WG1666333

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	14.8	J	11.3	50.0	1	05/05/2021 14:38	WG1664828
Benzene	U		0.0941	1.00	1	05/05/2021 14:38	WG1664828
Bromochloromethane	U		0.128	1.00	1	05/05/2021 14:38	WG1664828
Bromodichloromethane	U		0.136	1.00	1	05/05/2021 14:38	WG1664828
Bromoform	U		0.129	1.00	1	05/05/2021 14:38	WG1664828
Bromomethane	U		0.605	5.00	1	05/05/2021 14:38	WG1664828
Carbon disulfide	U		0.0962	1.00	1	05/05/2021 14:38	WG1664828
Carbon tetrachloride	U		0.128	1.00	1	05/05/2021 14:38	WG1664828
Chlorobenzene	U		0.116	1.00	1	05/05/2021 14:38	WG1664828
Chlorodibromomethane	U		0.140	1.00	1	05/05/2021 14:38	WG1664828
Chloroethane	U	J3	0.192	5.00	1	05/05/2021 14:38	WG1664828
Chloroform	U		0.111	5.00	1	05/05/2021 14:38	WG1664828
Chloromethane	U		0.960	2.50	1	05/05/2021 14:38	WG1664828
Cyclohexane	U		0.188	1.00	1	05/05/2021 14:38	WG1664828
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/05/2021 14:38	WG1664828
1,2-Dibromoethane	U		0.126	1.00	1	05/05/2021 14:38	WG1664828
1,2-Dichlorobenzene	U		0.107	1.00	1	05/05/2021 14:38	WG1664828
1,3-Dichlorobenzene	U		0.110	1.00	1	05/05/2021 14:38	WG1664828

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,4-Dichlorobenzene	U		0.120	1.00	1	05/05/2021 14:38	WG1664828
Dichlorodifluoromethane	U		0.374	5.00	1	05/05/2021 14:38	WG1664828
1,1-Dichloroethane	U		0.100	1.00	1	05/05/2021 14:38	WG1664828
1,2-Dichloroethane	U		0.0819	1.00	1	05/05/2021 14:38	WG1664828
1,1-Dichloroethene	U		0.188	1.00	1	05/05/2021 14:38	WG1664828
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/05/2021 14:38	WG1664828
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/05/2021 14:38	WG1664828
1,2-Dichloropropane	U		0.149	1.00	1	05/05/2021 14:38	WG1664828
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/05/2021 14:38	WG1664828
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/05/2021 14:38	WG1664828
Ethylbenzene	U		0.137	1.00	1	05/05/2021 14:38	WG1664828
2-Hexanone	U		0.787	10.0	1	05/05/2021 14:38	WG1664828
Isopropylbenzene	U		0.105	1.00	1	05/05/2021 14:38	WG1664828
2-Butanone (MEK)	U		1.19	10.0	1	05/05/2021 14:38	WG1664828
Methyl Acetate	U		1.29	20.0	1	05/05/2021 14:38	WG1664828
Methyl Cyclohexane	U		0.660	1.00	1	05/05/2021 14:38	WG1664828
Methylene Chloride	U		0.430	5.00	1	05/05/2021 14:38	WG1664828
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/05/2021 14:38	WG1664828
Methyl tert-butyl ether	U		0.101	1.00	1	05/05/2021 14:38	WG1664828
Naphthalene	U		1.00	5.00	1	05/05/2021 14:38	WG1664828
tert-Butyl alcohol	U		4.06	5.00	1	05/05/2021 14:38	WG1664828
Styrene	U		0.118	1.00	1	05/05/2021 14:38	WG1664828
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/05/2021 14:38	WG1664828
Tetrachloroethene	U	J3	0.300	1.00	1	05/05/2021 14:38	WG1664828
Toluene	U		0.278	1.00	1	05/05/2021 14:38	WG1664828
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/05/2021 14:38	WG1664828
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/05/2021 14:38	WG1664828
1,1,1-Trichloroethane	U		0.149	1.00	1	05/05/2021 14:38	WG1664828
1,1,2-Trichloroethane	U		0.158	1.00	1	05/05/2021 14:38	WG1664828
Trichloroethene	U		0.190	1.00	1	05/05/2021 14:38	WG1664828
Trichlorofluoromethane	U		0.160	5.00	1	05/05/2021 14:38	WG1664828
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	05/05/2021 14:38	WG1664828
Vinyl chloride	U		0.234	1.00	1	05/05/2021 14:38	WG1664828
Xylenes, Total	U		0.174	3.00	1	05/05/2021 14:38	WG1664828
(S) Toluene-d8	*98.8*			*80.0-120*		*05/05/2021 14:38*	WG1664828
(S) 4-Bromofluorobenzene	*92.8*			*77.0-126*		*05/05/2021 14:38*	WG1664828
(S) 1,2-Dichloroethane-d4	*99.6*			*70.0-130*		*05/05/2021 14:38*	WG1664828

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	CAS #	RT
	ug/l		ug/l	ug/l		date / time			
Total Tic	0.000		0.000	0.000	1	05/05/2021 14:38	WG1664828		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Pesticides (GC) by Method 8081B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Aldrin	U		0.00813	0.0400	1	05/05/2021 13:12	WG1663494
Alpha BHC	U		0.0166	0.0200	1	05/05/2021 13:12	WG1663494
Beta BHC	U		0.0184	0.0400	1	05/05/2021 13:12	WG1663494
Delta BHC	U		0.0197	0.0500	1	05/05/2021 13:12	WG1663494
Gamma BHC	U		0.0176	0.0300	1	05/05/2021 13:12	WG1663494
Chlordane	U		0.0977	0.500	1	05/05/2021 13:12	WG1663494

Pesticides (GC) by Method 8081B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
4,4-DDD	U		0.0170	0.0500	1	05/05/2021 13:12	WG1663494
4,4-DDE	U		0.0164	0.0500	1	05/05/2021 13:12	WG1663494
4,4-DDT	U		0.0177	0.0500	1	05/05/2021 13:12	WG1663494
Dieldrin	U		0.00751	0.0500	1	05/05/2021 13:12	WG1663494
Endosulfan I	U		0.0179	0.0500	1	05/05/2021 13:12	WG1663494
Endosulfan II	U		0.0176	0.0500	1	05/05/2021 13:12	WG1663494
Endosulfan sulfate	U		0.0196	0.0500	1	05/05/2021 13:12	WG1663494
Endrin	U		0.0189	0.0500	1	05/05/2021 13:12	WG1663494
Endrin aldehyde	U		0.0142	0.0500	1	05/05/2021 13:12	WG1663494
Endrin ketone	U		0.0170	0.0500	1	05/05/2021 13:12	WG1663494
Hexachlorobenzene	U		0.0134	0.0500	1	05/05/2021 13:12	WG1663494
Heptachlor	U		0.0108	0.0500	1	05/05/2021 13:12	WG1663494
Heptachlor epoxide	U		0.0175	0.0500	1	05/05/2021 13:12	WG1663494
Methoxychlor	U		0.0193	0.0500	1	05/05/2021 13:12	WG1663494
Toxaphene	U		0.168	0.500	1	05/05/2021 13:12	WG1663494
(S) Decachlorobiphenyl	*16.4*	J2		*30.0-150*		*05/05/2021 13:12*	WG1663494
(S) Tetrachloro-m-xylene	*61.8*			*30.0-150*		*05/05/2021 13:12*	WG1663494

Sample Narrative:

L1345179-26 WG1663494: Duplicate Analysis performed due to surrogate failure. Results confirm; reporting in hold data

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
PCB 1016	U		0.111	0.555	1.11	05/07/2021 12:13	WG1664952
PCB 1221	U		0.0810	0.555	1.11	05/07/2021 12:13	WG1664952
PCB 1232	U		0.0466	0.555	1.11	05/07/2021 12:13	WG1664952
PCB 1242	U		0.0522	0.555	1.11	05/07/2021 12:13	WG1664952
PCB 1248	U		0.0955	0.555	1.11	05/07/2021 12:13	WG1664952
PCB 1254	U		0.0522	0.555	1.11	05/07/2021 12:13	WG1664952
PCB 1260	U		0.133	0.555	1.11	05/07/2021 12:13	WG1664952
Total PCBs	U		0.0466	0.555	1.11	05/07/2021 12:13	WG1664952
(S) Decachlorobiphenyl	*83.0*			*30.0-150*		*05/07/2021 12:13*	WG1664952
(S) Tetrachloro-m-xylene	*97.3*			*30.0-150*		*05/07/2021 12:13*	WG1664952

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acenaphthene	U	J4	0.0886	1.00	1	05/05/2021 16:26	WG1663483
Acenaphthylene	U		0.0920	1.00	1	05/05/2021 16:26	WG1663483
Acetophenone	U		0.208	10.0	1	05/05/2021 16:26	WG1663483
Anthracene	U		0.0804	1.00	1	05/05/2021 16:26	WG1663483
Atrazine	U		0.255	10.0	1	05/05/2021 16:26	WG1663483
Benzaldehyde	U		1.69	10.0	1	05/05/2021 16:26	WG1663483
Biphenyl	U	J4	0.790	10.0	1	05/05/2021 16:26	WG1663483
Bis(2-chlorethoxy)methane	U	J4	0.116	10.0	1	05/05/2021 16:26	WG1663483
Bis(2-chloroethyl)ether	U		0.137	10.0	1	05/05/2021 16:26	WG1663483
2,2-Oxybis(1-Chloropropane)	U	J4	0.210	10.0	1	05/05/2021 16:26	WG1663483
Benzo(a)anthracene	U		0.199	1.00	1	05/05/2021 16:26	WG1663483
Benzo(a)pyrene	U		0.0381	1.00	1	05/05/2021 16:26	WG1663483
Benzo(b)fluoranthene	U		0.130	1.00	1	05/05/2021 16:26	WG1663483
Benzo(k)fluoranthene	U		0.120	1.00	1	05/05/2021 16:26	WG1663483
Benzo(g,h,i)perylene	U		0.121	1.00	1	05/05/2021 16:26	WG1663483
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/05/2021 16:26	WG1663483
Caprolactam	U		0.309	10.0	1	05/05/2021 16:26	WG1663483

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Carbazole	U		0.111	10.0	1	05/05/2021 16:26	WG1663483
4-Chloroaniline	U	J4	0.234	10.0	1	05/05/2021 16:26	WG1663483
2-Chloronaphthalene	U	J4	0.0648	1.00	1	05/05/2021 16:26	WG1663483
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/05/2021 16:26	WG1663483
Chrysene	U		0.130	1.00	1	05/05/2021 16:26	WG1663483
Dibenz(a,h)anthracene	U		0.0644	1.00	1	05/05/2021 16:26	WG1663483
Dibenzofuran	U		0.0970	10.0	1	05/05/2021 16:26	WG1663483
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/05/2021 16:26	WG1663483
2,4-Dinitrotoluene	U		0.0983	10.0	1	05/05/2021 16:26	WG1663483
2,6-Dinitrotoluene	U		0.250	10.0	1	05/05/2021 16:26	WG1663483
Fluoranthene	U		0.102	1.00	1	05/05/2021 16:26	WG1663483
Fluorene	U		0.0844	1.00	1	05/05/2021 16:26	WG1663483
Hexachlorobenzene	U	J4	0.0750	1.00	1	05/05/2021 16:26	WG1663483
Hexachloro-1,3-butadiene	U	J4	0.0968	10.0	1	05/05/2021 16:26	WG1663483
Hexachlorocyclopentadiene	U		0.0598	10.0	1	05/05/2021 16:26	WG1663483
Hexachloroethane	U		0.127	10.0	1	05/05/2021 16:26	WG1663483
Indeno(1,2,3-cd)pyrene	U		0.279	1.00	1	05/05/2021 16:26	WG1663483
Isophorone	U	J4	0.143	10.0	1	05/05/2021 16:26	WG1663483
2-Methylnaphthalene	U	J4	0.117	1.00	1	05/05/2021 16:26	WG1663483
Naphthalene	U	J4	0.159	1.00	1	05/05/2021 16:26	WG1663483
2-Nitroaniline	U		0.102	10.0	1	05/05/2021 16:26	WG1663483
3-Nitroaniline	U		0.0869	10.0	1	05/05/2021 16:26	WG1663483
4-Nitroaniline	U		0.0910	10.0	1	05/05/2021 16:26	WG1663483
Nitrobenzene	U	J4	0.297	10.0	1	05/05/2021 16:26	WG1663483
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/05/2021 16:26	WG1663483
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/05/2021 16:26	WG1663483
Phenanthrene	U		0.112	1.00	1	05/05/2021 16:26	WG1663483
Pyrene	U		0.107	1.00	1	05/05/2021 16:26	WG1663483
Benzylbutyl phthalate	U		0.765	3.00	1	05/05/2021 16:26	WG1663483
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/05/2021 16:26	WG1663483
Di-n-butyl phthalate	U		0.453	3.00	1	05/05/2021 16:26	WG1663483
Diethyl phthalate	U		0.287	3.00	1	05/05/2021 16:26	WG1663483
Dimethyl phthalate	U		0.260	3.00	1	05/05/2021 16:26	WG1663483
Di-n-octyl phthalate	U		0.932	3.00	1	05/05/2021 16:26	WG1663483
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/05/2021 16:26	WG1663483
4-Chloro-3-methylphenol	U	J4	0.131	10.0	1	05/05/2021 16:26	WG1663483
2-Chlorophenol	U	J4	0.133	10.0	1	05/05/2021 16:26	WG1663483
2-Methylphenol	U	J4	0.0929	10.0	1	05/05/2021 16:26	WG1663483
3&4-Methyl Phenol	U		0.168	10.0	1	05/05/2021 16:26	WG1663483
2,4-Dichlorophenol	U	J4	0.102	10.0	1	05/05/2021 16:26	WG1663483
2,4-Dimethylphenol	U	J4	0.0636	10.0	1	05/05/2021 16:26	WG1663483
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/05/2021 16:26	WG1663483
2,4-Dinitrophenol	U		5.93	10.0	1	05/05/2021 16:26	WG1663483
2-Nitrophenol	U	J4	0.117	10.0	1	05/05/2021 16:26	WG1663483
4-Nitrophenol	U		0.143	10.0	1	05/05/2021 16:26	WG1663483
Pentachlorophenol	U		0.313	10.0	1	05/05/2021 16:26	WG1663483
Phenol	U		4.33	10.0	1	05/05/2021 16:26	WG1663483
2,4,5-Trichlorophenol	U		0.109	10.0	1	05/05/2021 16:26	WG1663483
2,4,6-Trichlorophenol	U		0.100	10.0	1	05/05/2021 16:26	WG1663483
(S) 2-Fluorophenol	*48.0*			*15.0-110*		*05/05/2021 16:26*	WG1663483
(S) Phenol-d5	*31.6*			*15.0-110*		*05/05/2021 16:26*	WG1663483
(S) Nitrobenzene-d5	*70.9*			*30.0-130*		*05/05/2021 16:26*	WG1663483
(S) 2-Fluorobiphenyl	*72.8*			*30.0-130*		*05/05/2021 16:26*	WG1663483
(S) 2,4,6-Tribromophenol	*64.0*			*15.0-110*		*05/05/2021 16:26*	WG1663483
(S) p-Terphenyl-d14	*76.6*			*30.0-130*		*05/05/2021 16:26*	WG1663483

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	CAS #	RT
	ug/l		ug/l	ug/l		date / time			
Total Tic	58.4	J N	0.000	0.000	1	05/05/2021 16:26	WG1663483		
Unknown-01	58.4	J N	0.000	0.000	1	05/05/2021 16:26	WG1663483	000000-00-0	14.46

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Wet Chemistry by Method 4500CN E-2011

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Cyanide	U		1.80	5.00	1	05/05/2021 12:22	WG1663035

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	U		0.100	0.200	1	05/05/2021 12:16	WG1663739

Metals (ICPMS) by Method 6020B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Aluminum	U		18.5	100	1	05/09/2021 13:21	WG1666333
Antimony	U		1.03	4.00	1	05/09/2021 13:21	WG1666333
Arsenic	U		0.180	2.00	1	05/09/2021 13:21	WG1666333
Barium	0.585	J	0.381	20.0	1	05/09/2021 13:21	WG1666333
Beryllium	U		0.190	2.00	1	05/09/2021 13:21	WG1666333
Cadmium	U		0.150	1.00	1	05/09/2021 13:21	WG1666333
Calcium	U		93.6	1000	1	05/09/2021 13:21	WG1666333
Chromium	U		1.24	2.00	1	05/09/2021 13:21	WG1666333
Copper	7.54		1.51	5.00	1	05/09/2021 13:21	WG1666333
Cobalt	U		0.0596	2.00	1	05/09/2021 13:21	WG1666333
Iron	U		28.1	100	1	05/09/2021 13:21	WG1666333
Lead	U		0.849	2.00	1	05/09/2021 13:21	WG1666333
Magnesium	U		73.5	1000	1	05/09/2021 13:21	WG1666333
Manganese	U		0.704	5.00	1	05/09/2021 13:21	WG1666333
Nickel	U		0.816	2.00	1	05/09/2021 13:21	WG1666333
Potassium	191	B J	108	2000	1	05/09/2021 13:21	WG1666333
Selenium	U		0.300	2.00	1	05/09/2021 13:21	WG1666333
Silver	U		0.0700	2.00	1	05/09/2021 13:21	WG1666333
Sodium	U		376	2000	1	05/09/2021 13:21	WG1666333
Thallium	U		0.121	2.00	1	05/09/2021 13:21	WG1666333
Vanadium	U		0.664	5.00	1	05/09/2021 13:21	WG1666333
Zinc	U		3.02	25.0	1	05/09/2021 13:21	WG1666333

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	U		11.3	50.0	1	05/05/2021 15:18	WG1664828
Benzene	U		0.0941	1.00	1	05/05/2021 15:18	WG1664828
Bromochloromethane	U		0.128	1.00	1	05/05/2021 15:18	WG1664828
Bromodichloromethane	U		0.136	1.00	1	05/05/2021 15:18	WG1664828
Bromoform	U		0.129	1.00	1	05/05/2021 15:18	WG1664828
Bromomethane	U		0.605	5.00	1	05/05/2021 15:18	WG1664828
Carbon disulfide	U		0.0962	1.00	1	05/05/2021 15:18	WG1664828
Carbon tetrachloride	U		0.128	1.00	1	05/05/2021 15:18	WG1664828
Chlorobenzene	U		0.116	1.00	1	05/05/2021 15:18	WG1664828
Chlorodibromomethane	U		0.140	1.00	1	05/05/2021 15:18	WG1664828
Chloroethane	U	J3	0.192	5.00	1	05/05/2021 15:18	WG1664828
Chloroform	U		0.111	5.00	1	05/05/2021 15:18	WG1664828
Chloromethane	U		0.960	2.50	1	05/05/2021 15:18	WG1664828
Cyclohexane	U		0.188	1.00	1	05/05/2021 15:18	WG1664828
1,2-Dibromo-3-Chloropropane	U		0.276	5.00	1	05/05/2021 15:18	WG1664828
1,2-Dibromoethane	U		0.126	1.00	1	05/05/2021 15:18	WG1664828
1,2-Dichlorobenzene	U		0.107	1.00	1	05/05/2021 15:18	WG1664828
1,3-Dichlorobenzene	U		0.110	1.00	1	05/05/2021 15:18	WG1664828

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
1,4-Dichlorobenzene	U		0.120	1.00	1	05/05/2021 15:18	WG1664828
Dichlorodifluoromethane	U		0.374	5.00	1	05/05/2021 15:18	WG1664828
1,1-Dichloroethane	U		0.100	1.00	1	05/05/2021 15:18	WG1664828
1,2-Dichloroethane	U		0.0819	1.00	1	05/05/2021 15:18	WG1664828
1,1-Dichloroethene	U		0.188	1.00	1	05/05/2021 15:18	WG1664828
cis-1,2-Dichloroethene	U		0.126	1.00	1	05/05/2021 15:18	WG1664828
trans-1,2-Dichloroethene	U		0.149	1.00	1	05/05/2021 15:18	WG1664828
1,2-Dichloropropane	U		0.149	1.00	1	05/05/2021 15:18	WG1664828
cis-1,3-Dichloropropene	U		0.111	1.00	1	05/05/2021 15:18	WG1664828
trans-1,3-Dichloropropene	U		0.118	1.00	1	05/05/2021 15:18	WG1664828
Ethylbenzene	U		0.137	1.00	1	05/05/2021 15:18	WG1664828
2-Hexanone	U		0.787	10.0	1	05/05/2021 15:18	WG1664828
Isopropylbenzene	U		0.105	1.00	1	05/05/2021 15:18	WG1664828
2-Butanone (MEK)	U		1.19	10.0	1	05/05/2021 15:18	WG1664828
Methyl Acetate	U		1.29	20.0	1	05/05/2021 15:18	WG1664828
Methyl Cyclohexane	U		0.660	1.00	1	05/05/2021 15:18	WG1664828
Methylene Chloride	U		0.430	5.00	1	05/05/2021 15:18	WG1664828
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0	1	05/05/2021 15:18	WG1664828
Methyl tert-butyl ether	U		0.101	1.00	1	05/05/2021 15:18	WG1664828
Naphthalene	U		1.00	5.00	1	05/05/2021 15:18	WG1664828
tert-Butyl alcohol	U		4.06	5.00	1	05/05/2021 15:18	WG1664828
Styrene	U		0.118	1.00	1	05/05/2021 15:18	WG1664828
1,1,2,2-Tetrachloroethane	U		0.133	1.00	1	05/05/2021 15:18	WG1664828
Tetrachloroethene	U	J3	0.300	1.00	1	05/05/2021 15:18	WG1664828
Toluene	U		0.278	1.00	1	05/05/2021 15:18	WG1664828
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/05/2021 15:18	WG1664828
1,2,4-Trichlorobenzene	U		0.481	1.00	1	05/05/2021 15:18	WG1664828
1,1,1-Trichloroethane	U		0.149	1.00	1	05/05/2021 15:18	WG1664828
1,1,2-Trichloroethane	U		0.158	1.00	1	05/05/2021 15:18	WG1664828
Trichloroethene	U		0.190	1.00	1	05/05/2021 15:18	WG1664828
Trichlorofluoromethane	U		0.160	5.00	1	05/05/2021 15:18	WG1664828
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00	1	05/05/2021 15:18	WG1664828
Vinyl chloride	U		0.234	1.00	1	05/05/2021 15:18	WG1664828
Xylenes, Total	U		0.174	3.00	1	05/05/2021 15:18	WG1664828
(S) Toluene-d8	*98.3*			*80.0-120*		*05/05/2021 15:18*	WG1664828
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*		*05/05/2021 15:18*	WG1664828
(S) 1,2-Dichloroethane-d4	*95.8*			*70.0-130*		*05/05/2021 15:18*	WG1664828

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	CAS #	RT
	ug/l		ug/l	ug/l		date / time			
Total Tic	9.31	J N	0.000	0.000	1	05/05/2021 15:18	WG1664828		
1-Pentene	9.31	J N	0.000	0.000	1	05/05/2021 15:18	WG1664828	000109-67-1	2.58

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Pesticides (GC) by Method 8081B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Aldrin	U		0.00813	0.0400	1	05/05/2021 13:27	WG1663494
Alpha BHC	U		0.0166	0.0200	1	05/05/2021 13:27	WG1663494
Beta BHC	U		0.0184	0.0400	1	05/05/2021 13:27	WG1663494
Delta BHC	U		0.0197	0.0500	1	05/05/2021 13:27	WG1663494
Gamma BHC	U		0.0176	0.0300	1	05/05/2021 13:27	WG1663494

Pesticides (GC) by Method 8081B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Chlordane	U		0.0977	0.500	1	05/05/2021 13:27	WG1663494
4,4-DDD	U		0.0170	0.0500	1	05/05/2021 13:27	WG1663494
4,4-DDE	U		0.0164	0.0500	1	05/05/2021 13:27	WG1663494
4,4-DDT	U		0.0177	0.0500	1	05/05/2021 13:27	WG1663494
Dieldrin	U		0.00751	0.0500	1	05/05/2021 13:27	WG1663494
Endosulfan I	U		0.0179	0.0500	1	05/05/2021 13:27	WG1663494
Endosulfan II	U		0.0176	0.0500	1	05/05/2021 13:27	WG1663494
Endosulfan sulfate	U		0.0196	0.0500	1	05/05/2021 13:27	WG1663494
Endrin	U		0.0189	0.0500	1	05/05/2021 13:27	WG1663494
Endrin aldehyde	U		0.0142	0.0500	1	05/05/2021 13:27	WG1663494
Endrin ketone	U		0.0170	0.0500	1	05/05/2021 13:27	WG1663494
Hexachlorobenzene	0.0238	J	0.0134	0.0500	1	05/05/2021 13:27	WG1663494
Heptachlor	U		0.0108	0.0500	1	05/05/2021 13:27	WG1663494
Heptachlor epoxide	U		0.0175	0.0500	1	05/05/2021 13:27	WG1663494
Methoxychlor	U		0.0193	0.0500	1	05/05/2021 13:27	WG1663494
Toxaphene	U		0.168	0.500	1	05/05/2021 13:27	WG1663494
(S) Decachlorobiphenyl	*30.8*			*30.0-150*		*05/05/2021 13:27*	WG1663494
(S) Tetrachloro-m-xylene	*78.9*			*30.0-150*		*05/05/2021 13:27*	WG1663494

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
PCB 1016	U		0.100	0.500	1	05/04/2021 11:35	WG1663494
PCB 1221	U		0.0730	0.500	1	05/04/2021 11:35	WG1663494
PCB 1232	U		0.0420	0.500	1	05/04/2021 11:35	WG1663494
PCB 1242	U		0.0470	0.500	1	05/04/2021 11:35	WG1663494
PCB 1248	U		0.0860	0.500	1	05/04/2021 11:35	WG1663494
PCB 1254	U		0.0470	0.500	1	05/04/2021 11:35	WG1663494
PCB 1260	U		0.120	0.500	1	05/04/2021 11:35	WG1663494
Total PCBs	U		0.0420	0.500	1	05/04/2021 11:35	WG1663494
(S) Decachlorobiphenyl	*38.5*			*30.0-150*		*05/04/2021 11:35*	WG1663494
(S) Tetrachloro-m-xylene	*88.1*			*30.0-150*		*05/04/2021 11:35*	WG1663494

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acenaphthene	U	J4	0.0886	1.00	1	05/05/2021 16:50	WG1663483
Acenaphthylene	U		0.0920	1.00	1	05/05/2021 16:50	WG1663483
Acetophenone	U		0.208	10.0	1	05/05/2021 16:50	WG1663483
Anthracene	U		0.0804	1.00	1	05/05/2021 16:50	WG1663483
Atrazine	U		0.255	10.0	1	05/05/2021 16:50	WG1663483
Benzaldehyde	U		1.69	10.0	1	05/05/2021 16:50	WG1663483
Biphenyl	U	J4	0.790	10.0	1	05/05/2021 16:50	WG1663483
Bis(2-chlorethoxy)methane	U	J4	0.116	10.0	1	05/05/2021 16:50	WG1663483
Bis(2-chloroethyl)ether	U		0.137	10.0	1	05/05/2021 16:50	WG1663483
2,2-Oxybis(1-Chloropropane)	U	J4	0.210	10.0	1	05/05/2021 16:50	WG1663483
Benzo(a)anthracene	U		0.199	1.00	1	05/05/2021 16:50	WG1663483
Benzo(a)pyrene	U		0.0381	1.00	1	05/05/2021 16:50	WG1663483
Benzo(b)fluoranthene	U		0.130	1.00	1	05/05/2021 16:50	WG1663483
Benzo(k)fluoranthene	U		0.120	1.00	1	05/05/2021 16:50	WG1663483
Benzo(g,h,i)perylene	U		0.121	1.00	1	05/05/2021 16:50	WG1663483
4-Bromophenyl-phenylether	U		0.0877	10.0	1	05/05/2021 16:50	WG1663483
Caprolactam	U		0.309	10.0	1	05/05/2021 16:50	WG1663483
Carbazole	U		0.111	10.0	1	05/05/2021 16:50	WG1663483
4-Chloroaniline	U	J4	0.234	10.0	1	05/05/2021 16:50	WG1663483

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
2-Chloronaphthalene	U	J4	0.0648	1.00	1	05/05/2021 16:50	WG1663483
4-Chlorophenyl-phenylether	U		0.0926	10.0	1	05/05/2021 16:50	WG1663483
Chrysene	U		0.130	1.00	1	05/05/2021 16:50	WG1663483
Dibenz(a,h)anthracene	U		0.0644	1.00	1	05/05/2021 16:50	WG1663483
Dibenzofuran	U		0.0970	10.0	1	05/05/2021 16:50	WG1663483
3,3-Dichlorobenzidine	U		0.212	10.0	1	05/05/2021 16:50	WG1663483
2,4-Dinitrotoluene	U		0.0983	10.0	1	05/05/2021 16:50	WG1663483
2,6-Dinitrotoluene	U		0.250	10.0	1	05/05/2021 16:50	WG1663483
Fluoranthene	U		0.102	1.00	1	05/05/2021 16:50	WG1663483
Fluorene	U		0.0844	1.00	1	05/05/2021 16:50	WG1663483
Hexachlorobenzene	U	J4	0.0750	1.00	1	05/05/2021 16:50	WG1663483
Hexachloro-1,3-butadiene	U	J4	0.0968	10.0	1	05/05/2021 16:50	WG1663483
Hexachlorocyclopentadiene	U		0.0598	10.0	1	05/05/2021 16:50	WG1663483
Hexachloroethane	U		0.127	10.0	1	05/05/2021 16:50	WG1663483
Indeno(1,2,3-cd)pyrene	U		0.279	1.00	1	05/05/2021 16:50	WG1663483
Isophorone	U	J4	0.143	10.0	1	05/05/2021 16:50	WG1663483
2-Methylnaphthalene	U	J4	0.117	1.00	1	05/05/2021 16:50	WG1663483
Naphthalene	U	J4	0.159	1.00	1	05/05/2021 16:50	WG1663483
2-Nitroaniline	U		0.102	10.0	1	05/05/2021 16:50	WG1663483
3-Nitroaniline	U		0.0869	10.0	1	05/05/2021 16:50	WG1663483
4-Nitroaniline	U		0.0910	10.0	1	05/05/2021 16:50	WG1663483
Nitrobenzene	U	J4	0.297	10.0	1	05/05/2021 16:50	WG1663483
n-Nitrosodiphenylamine	U		2.37	10.0	1	05/05/2021 16:50	WG1663483
n-Nitrosodi-n-propylamine	U		0.261	10.0	1	05/05/2021 16:50	WG1663483
Phenanthrene	U		0.112	1.00	1	05/05/2021 16:50	WG1663483
Pyrene	U		0.107	1.00	1	05/05/2021 16:50	WG1663483
Benzylbutyl phthalate	U		0.765	3.00	1	05/05/2021 16:50	WG1663483
Bis(2-ethylhexyl)phthalate	U		0.895	3.00	1	05/05/2021 16:50	WG1663483
Di-n-butyl phthalate	U		0.453	3.00	1	05/05/2021 16:50	WG1663483
Diethyl phthalate	U		0.287	3.00	1	05/05/2021 16:50	WG1663483
Dimethyl phthalate	U		0.260	3.00	1	05/05/2021 16:50	WG1663483
Di-n-octyl phthalate	U		0.932	3.00	1	05/05/2021 16:50	WG1663483
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0	1	05/05/2021 16:50	WG1663483
4-Chloro-3-methylphenol	U	J4	0.131	10.0	1	05/05/2021 16:50	WG1663483
2-Chlorophenol	U	J4	0.133	10.0	1	05/05/2021 16:50	WG1663483
2-Methylphenol	U	J4	0.0929	10.0	1	05/05/2021 16:50	WG1663483
3&4-Methyl Phenol	U		0.168	10.0	1	05/05/2021 16:50	WG1663483
2,4-Dichlorophenol	U	J4	0.102	10.0	1	05/05/2021 16:50	WG1663483
2,4-Dimethylphenol	U	J4	0.0636	10.0	1	05/05/2021 16:50	WG1663483
4,6-Dinitro-2-methylphenol	U		1.12	10.0	1	05/05/2021 16:50	WG1663483
2,4-Dinitrophenol	U		5.93	10.0	1	05/05/2021 16:50	WG1663483
2-Nitrophenol	U	J4	0.117	10.0	1	05/05/2021 16:50	WG1663483
4-Nitrophenol	U		0.143	10.0	1	05/05/2021 16:50	WG1663483
Pentachlorophenol	U		0.313	10.0	1	05/05/2021 16:50	WG1663483
Phenol	U		4.33	10.0	1	05/05/2021 16:50	WG1663483
2,4,5-Trichlorophenol	U		0.109	10.0	1	05/05/2021 16:50	WG1663483
2,4,6-Trichlorophenol	U		0.100	10.0	1	05/05/2021 16:50	WG1663483
(S) 2-Fluorophenol	*53.7*			*15.0-110*		*05/05/2021 16:50*	WG1663483
(S) Phenol-d5	*34.2*			*15.0-110*		*05/05/2021 16:50*	WG1663483
(S) Nitrobenzene-d5	*74.7*			*30.0-130*		*05/05/2021 16:50*	WG1663483
(S) 2-Fluorobiphenyl	*76.8*			*30.0-130*		*05/05/2021 16:50*	WG1663483
(S) 2,4,6-Tribromophenol	*64.7*			*15.0-110*		*05/05/2021 16:50*	WG1663483
(S) p-Terphenyl-d14	*79.7*			*30.0-130*		*05/05/2021 16:50*	WG1663483

Semi Volatile Organic Compounds (GC/MS) by Method 8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	CAS #	RT
	ug/l		ug/l	ug/l		date / time			
Total Tic	0.000		0.000	0.000	1	05/05/2021 16:50	WG1663483		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Method Blank (MB)

(MB) R3650372-1 05/04/21 10:42

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1345179-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1345179-05 05/04/21 10:42 • (DUP) R3650372-3 05/04/21 10:42

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.5	88.3	1	1.44		10

Laboratory Control Sample (LCS)

(LCS) R3650372-2 05/04/21 10:42

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3650371-1 05/04/21 10:34

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1345179-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1345179-12 05/04/21 10:34 • (DUP) R3650371-3 05/04/21 10:34

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	95.5	95.9	1	0.427		10

Laboratory Control Sample (LCS)

(LCS) R3650371-2 05/04/21 10:34

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3649903-1 05/03/21 12:03

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1345179-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1345179-20 05/03/21 12:03 • (DUP) R3649903-3 05/03/21 12:03

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	87.8	85.4	1	2.68		10

Laboratory Control Sample (LCS)

(LCS) R3649903-2 05/03/21 12:03

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3650725-1 05/05/21 08:18

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1345179-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1345179-25 05/05/21 08:18 • (DUP) R3650725-3 05/05/21 08:18

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	92.7	93.0	1	0.361		10

Laboratory Control Sample (LCS)

(LCS) R3650725-2 05/05/21 08:18

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

QUALITY CONTROL SUMMARY

L1345179-26,27

Method Blank (MB)

(MB) R3650621-1 05/05/21 11:55

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Cyanide	U		1.80	5.00

L1344940-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1344940-03 05/05/21 12:12 • (DUP) R3650621-7 05/05/21 12:13

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1345122-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1345122-03 05/05/21 12:16 • (DUP) R3650621-8 05/05/21 12:17

Analyte	Original Result ug/l	DUP Result ug/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3650621-2 05/05/21 11:56

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	100	90.2	90.2	87.1-120	

L1343240-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1343240-01 05/05/21 11:59 • (MS) R3650621-3 05/05/21 12:00 • (MSD) R3650621-4 05/05/21 12:01

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	100	5.28	95.1	97.2	89.8	91.9	1	90.0-110	J6		2.18	20

L1344663-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1344663-01 05/05/21 12:03 • (MS) R3650621-5 05/05/21 12:04 • (MSD) R3650621-6 05/05/21 12:08

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	100	2.24	93.5	91.7	91.3	89.5	1	90.0-110		J6	1.94	20

Method Blank (MB)

(MB) R3651396-1 05/06/21 22:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Cyanide	U		0.0733	0.250

L1345179-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1345179-15 05/06/21 22:41 • (DUP) R3651396-5 05/06/21 22:42

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

L1345179-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1345179-18 05/06/21 22:45 • (DUP) R3651396-6 05/06/21 22:46

Analyte	Original Result (dry) mg/kg	DUP Result (dry) mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Cyanide	U	U	1	0.000		20

Laboratory Control Sample (LCS)

(LCS) R3651396-2 05/06/21 22:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cyanide	2.50	2.43	97.0	85.0-115	

L1345179-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345179-14 05/06/21 22:38 • (MS) R3651396-3 05/06/21 22:39 • (MSD) R3651396-4 05/06/21 22:40

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cyanide	1.92	U	1.74	1.82	90.7	94.5	1	75.0-125			4.10	20

L1345790-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345790-01 05/06/21 23:10 • (MS) R3651396-7 05/06/21 22:56 • (MSD) R3651396-8 05/06/21 22:57

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Cyanide	1.99	U	1.81	1.91	90.9	95.9	1	75.0-125			5.42	20

Method Blank (MB)

(MB) R3650618-1 05/05/21 11:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Mercury	U		0.100	0.200

Laboratory Control Sample (LCS)

(LCS) R3650618-2 05/05/21 11:38

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Mercury	3.00	3.34	111	80.0-120	

L1347045-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1347045-01 05/05/21 11:40 • (MS) R3650618-3 05/05/21 11:46 • (MSD) R3650618-4 05/05/21 11:48

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Mercury	3.00	U	3.35	3.25	112	108	1	75.0-125			2.98	20

Method Blank (MB)

(MB) R3650062-1 05/04/21 10:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R3650062-2 05/04/21 10:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.463	92.5	80.0-120	

L1345201-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345201-03 05/04/21 10:13 • (MS) R3650062-3 05/04/21 10:16 • (MSD) R3650062-4 05/04/21 10:18

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.594	U	0.526	0.526	88.5	88.6	1	75.0-125			0.0486	20

Method Blank (MB)

(MB) R3650299-1 05/04/21 19:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R3650299-2 05/04/21 19:03

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.419	83.8	80.0-120	

L1345179-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345179-25 05/04/21 19:06 • (MS) R3650299-3 05/04/21 19:08 • (MSD) R3650299-4 05/04/21 19:11

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.540	U	0.466	0.468	86.3	86.7	1	75.0-125			0.455	20

Method Blank (MB)

(MB) R3651139-1 05/06/21 10:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aluminum	U		6.08	10.0
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Calcium	U		10.6	100
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Iron	U		2.24	10.0
Lead	U		0.208	0.500
Magnesium	U		7.38	100
Manganese	U		0.133	1.00
Nickel	U		0.132	2.00
Potassium	25.3	J	20.9	100
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Sodium	U		41.2	100
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R3651139-2 05/06/21 10:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000	985	98.5	80.0-120	
Antimony	100	97.7	97.7	80.0-120	
Arsenic	100	96.4	96.4	80.0-120	
Barium	100	100	100	80.0-120	
Beryllium	100	97.9	97.9	80.0-120	
Cadmium	100	96.2	96.2	80.0-120	
Calcium	1000	954	95.4	80.0-120	
Chromium	100	95.6	95.6	80.0-120	
Cobalt	100	98.1	98.1	80.0-120	
Copper	100	96.3	96.3	80.0-120	
Iron	1000	961	96.1	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3651139-2 05/06/21 10:22

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	95.0	95.0	80.0-120	
Magnesium	1000	941	94.1	80.0-120	
Manganese	100	94.2	94.2	80.0-120	
Nickel	100	96.7	96.7	80.0-120	
Potassium	1000	983	98.3	80.0-120	
Selenium	100	96.9	96.9	80.0-120	
Silver	20.0	17.5	87.7	80.0-120	
Sodium	1000	942	94.2	80.0-120	
Thallium	100	97.8	97.8	80.0-120	
Vanadium	100	96.7	96.7	80.0-120	
Zinc	100	93.3	93.3	80.0-120	

L1345104-24 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345104-24 05/05/21 14:38 • (MS) R3651146-3 05/05/21 14:46 • (MSD) R3651146-4 05/05/21 14:48

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	1060	4260	5970	6030	161	167	1	75.0-125	V	V	0.980	20
Antimony	106	U	82.9	82.9	78.5	78.5	1	75.0-125			0.0584	20
Arsenic	106	0.864	97.1	100	91.2	93.9	1	75.0-125			2.87	20
Barium	106	19.1	125	128	100	103	1	75.0-125			2.21	20
Beryllium	106	0.167	102	104	96.1	98.7	1	75.0-125			2.66	20
Cadmium	106	U	99.4	102	94.1	96.3	1	75.0-125			2.35	20
Calcium	1060	497	1440	1480	89.3	93.5	1	75.0-125			3.03	20
Chromium	106	7.20	105	108	92.6	95.1	1	75.0-125			2.55	20
Cobalt	106	2.40	103	106	95.6	98.0	1	75.0-125			2.38	20
Copper	106	6.94	106	111	94.3	98.6	1	75.0-125			4.19	20
Iron	1060	5600	6200	6210	56.9	58.0	1	75.0-125	V	V	0.185	20
Lead	106	3.03	101	103	92.7	94.5	1	75.0-125			1.89	20
Magnesium	1060	1740	2940	2750	114	95.7	1	75.0-125			6.70	20
Manganese	106	167	271	251	97.8	79.2	1	75.0-125			7.53	20
Nickel	106	5.19	105	107	94.1	96.5	1	75.0-125			2.37	20
Potassium	1060	860	1940	2020	103	110	1	75.0-125			3.78	20
Selenium	106	U	99.6	103	94.3	97.4	1	75.0-125			3.19	20
Silver	21.1	U	18.1	18.7	85.5	88.4	1	75.0-125			3.37	20
Sodium	1060	122	1060	1080	88.8	91.1	1	75.0-125			2.31	20
Thallium	106	U	98.7	101	93.5	95.3	1	75.0-125			1.93	20
Vanadium	106	12.3	110	114	92.2	96.4	1	75.0-125			3.96	20
Zinc	106	12.5	112	112	94.5	94.3	1	75.0-125			0.177	20

Method Blank (MB)

(MB) R3649911-1 05/03/21 15:26

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aluminum	U		6.08	10.0
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	0.260	J	0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Calcium	U		10.6	100
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Iron	U		2.24	10.0
Lead	U		0.208	0.500
Magnesium	U		7.38	100
Manganese	0.337	J	0.133	1.00
Nickel	U		0.132	2.00
Potassium	U		20.9	100
Selenium	0.856	J	0.764	2.00
Silver	U		0.127	1.00
Sodium	U		41.2	100
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R3649911-2 05/03/21 15:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000	999	99.9	80.0-120	
Antimony	100	97.9	97.9	80.0-120	
Arsenic	100	97.6	97.6	80.0-120	
Barium	100	103	103	80.0-120	
Beryllium	100	103	103	80.0-120	
Cadmium	100	98.2	98.2	80.0-120	
Calcium	1000	1010	101	80.0-120	
Chromium	100	98.8	98.8	80.0-120	
Cobalt	100	102	102	80.0-120	
Copper	100	99.4	99.4	80.0-120	
Iron	1000	1000	100	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3649911-2 05/03/21 15:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	99.1	99.1	80.0-120	
Magnesium	1000	1010	101	80.0-120	
Manganese	100	98.7	98.7	80.0-120	
Nickel	100	102	102	80.0-120	
Potassium	1000	982	98.2	80.0-120	
Selenium	100	99.1	99.1	80.0-120	
Silver	20.0	19.1	95.6	80.0-120	
Sodium	1000	1010	101	80.0-120	
Thallium	100	98.9	98.9	80.0-120	
Vanadium	100	101	101	80.0-120	
Zinc	100	98.8	98.8	80.0-120	

L1345179-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345179-13 05/03/21 15:32 • (MS) R3649911-5 05/03/21 15:40 • (MSD) R3649911-6 05/03/21 15:43

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	1160	1730	2900	3340	101	139	1	75.0-125		J5	14.2	20
Antimony	116	U	99.0	95.2	85.4	82.1	1	75.0-125			3.98	20
Arsenic	116	1.65	108	109	91.8	92.2	1	75.0-125			0.368	20
Barium	116	3.92	116	117	97.0	97.3	1	75.0-125			0.298	20
Beryllium	116	0.172	112	112	96.7	96.7	1	75.0-125			0.0285	20
Cadmium	116	0.0631	107	108	92.4	92.8	1	75.0-125			0.431	20
Calcium	1160	221	1380	1330	99.6	95.5	1	75.0-125			3.54	20
Chromium	116	6.54	113	115	92.0	93.5	1	75.0-125			1.54	20
Cobalt	116	1.54	113	113	95.8	96.3	1	75.0-125			0.528	20
Copper	116	1.78	110	110	93.4	93.2	1	75.0-125			0.208	20
Iron	1160	5640	5390	7420	0.000	154	1	75.0-125	V	J3 V	31.8	20
Lead	116	1.33	109	109	92.6	93.3	1	75.0-125			0.753	20
Magnesium	1160	340	1410	1470	92.6	97.5	1	75.0-125			3.92	20
Manganese	116	18.8	119	120	86.7	87.6	1	75.0-125			0.904	20
Nickel	116	1.58	113	114	95.9	96.6	1	75.0-125			0.674	20
Potassium	1160	664	1660	1770	85.9	95.3	1	75.0-125			6.32	20
Selenium	116	U	108	109	93.3	93.8	1	75.0-125			0.440	20
Silver	23.2	U	21.0	20.8	90.5	89.6	1	75.0-125			1.05	20
Sodium	1160	U	1110	1110	95.9	96.2	1	75.0-125			0.297	20
Thallium	116	0.520	108	107	92.3	91.6	1	75.0-125			0.702	20
Vanadium	116	9.83	117	120	92.3	95.4	1	75.0-125			3.04	20
Zinc	116	5.63	111	113	91.2	92.7	1	75.0-125			1.56	20

Method Blank (MB)

(MB) R3650437-1 05/05/21 04:29

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aluminum	U		6.08	10.0
Antimony	U		0.544	2.00
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Beryllium	U		0.0315	0.200
Cadmium	U		0.0471	0.500
Calcium	U		10.6	100
Chromium	U		0.133	1.00
Cobalt	U		0.0811	1.00
Copper	U		0.400	2.00
Iron	U		2.24	10.0
Lead	U		0.208	0.500
Magnesium	U		7.38	100
Manganese	U		0.133	1.00
Nickel	U		0.132	2.00
Potassium	U		20.9	100
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Sodium	43.1	J	41.2	100
Thallium	U		0.394	2.00
Vanadium	U		0.506	2.00
Zinc	U		0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R3650437-2 05/05/21 04:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	1000	974	97.4	80.0-120	
Antimony	100	97.8	97.8	80.0-120	
Arsenic	100	95.2	95.2	80.0-120	
Barium	100	101	101	80.0-120	
Beryllium	100	99.6	99.6	80.0-120	
Cadmium	100	96.7	96.7	80.0-120	
Calcium	1000	1010	101	80.0-120	
Chromium	100	99.6	99.6	80.0-120	
Cobalt	100	98.7	98.7	80.0-120	
Copper	100	96.0	96.0	80.0-120	
Iron	1000	986	98.6	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3650437-2 05/05/21 04:31

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	98.8	98.8	80.0-120	
Magnesium	1000	998	99.8	80.0-120	
Manganese	100	97.0	97.0	80.0-120	
Nickel	100	98.4	98.4	80.0-120	
Potassium	1000	1000	100	80.0-120	
Selenium	100	99.4	99.4	80.0-120	
Silver	20.0	17.6	88.2	80.0-120	
Sodium	1000	1040	104	80.0-120	
Thallium	100	97.0	97.0	80.0-120	
Vanadium	100	96.4	96.4	80.0-120	
Zinc	100	97.7	97.7	80.0-120	

L1346952-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1346952-02 05/05/21 04:34 • (MS) R3650437-5 05/05/21 04:43 • (MSD) R3650437-6 05/05/21 04:45

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	1330	14100	14000	10200	0.000	0.000	1	75.0-125	V	J3 V	32.2	20
Antimony	133	U	72.3	71.7	54.2	53.8	1	75.0-125	J6	J6	0.859	20
Arsenic	133	8.56	133	132	93.6	92.8	1	75.0-125			0.882	20
Barium	133	152	283	235	97.8	61.7	1	75.0-125		J6	18.6	20
Beryllium	133	0.913	127	128	94.7	95.0	1	75.0-125			0.334	20
Cadmium	133	0.295	128	128	95.6	95.6	1	75.0-125			0.0653	20
Calcium	1330	140000	147000	141000	520	10.9	1	75.0-125	E V	E V	4.72	20
Chromium	133	11.7	134	131	91.4	89.4	1	75.0-125			2.04	20
Cobalt	133	5.78	139	138	100	98.9	1	75.0-125			1.23	20
Copper	133	8.04	133	132	93.3	92.8	1	75.0-125			0.558	20
Iron	1330	9490	9390	6640	0.000	0.000	1	75.0-125	V	J3 V	34.2	20
Lead	133	9.94	142	140	99.2	97.6	1	75.0-125			1.47	20
Magnesium	1330	2660	3550	2920	67.3	20.0	1	75.0-125	J6	J6	19.5	20
Manganese	133	409	522	453	84.7	33.4	1	75.0-125		J6	14.0	20
Nickel	133	11.1	143	141	99.2	97.3	1	75.0-125			1.78	20
Potassium	1330	1180	2300	2020	83.9	62.5	1	75.0-125		J6	13.2	20
Selenium	133	1.27	130	130	96.5	96.5	1	75.0-125			0.0496	20
Silver	26.7	U	24.4	24.6	91.6	92.3	1	75.0-125			0.780	20
Sodium	1330	1310	2610	2580	97.2	94.7	1	75.0-125			1.30	20
Thallium	133	U	124	124	93.2	92.8	1	75.0-125			0.427	20
Vanadium	133	33.2	150	148	87.4	86.1	1	75.0-125			1.15	20
Zinc	133	28.2	142	137	85.4	81.3	1	75.0-125			3.88	20

Method Blank (MB)

(MB) R3652112-1 05/09/21 12:21

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Aluminum	U		18.5	100
Antimony	U		1.03	4.00
Arsenic	U		0.180	2.00
Barium	U		0.381	20.0
Beryllium	U		0.190	2.00
Cadmium	U		0.150	1.00
Calcium	U		93.6	1000
Chromium	U		1.24	2.00
Copper	U		1.51	5.00
Cobalt	U		0.0596	2.00
Iron	38.7	J	28.1	100
Lead	U		0.849	2.00
Magnesium	U		73.5	1000
Manganese	U		0.704	5.00
Nickel	U		0.816	2.00
Potassium	150	J	108	2000
Selenium	U		0.300	2.00
Silver	U		0.0700	2.00
Sodium	U		376	2000
Thallium	U		0.121	2.00
Vanadium	U		0.664	5.00
Zinc	U		3.02	25.0

Laboratory Control Sample (LCS)

(LCS) R3652112-2 05/09/21 12:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aluminum	5000	4750	94.9	80.0-120	
Antimony	50.0	56.7	113	80.0-120	
Arsenic	50.0	48.3	96.5	80.0-120	
Barium	50.0	45.4	90.8	80.0-120	
Beryllium	50.0	46.9	93.9	80.0-120	
Cadmium	50.0	48.6	97.1	80.0-120	
Calcium	5000	4780	95.6	80.0-120	
Chromium	50.0	48.8	97.5	80.0-120	
Copper	50.0	48.3	96.6	80.0-120	
Cobalt	50.0	48.7	97.4	80.0-120	
Iron	5000	4910	98.2	80.0-120	

Laboratory Control Sample (LCS)

(LCS) R3652112-2 05/09/21 12:24

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	50.0	46.0	92.0	80.0-120	
Magnesium	5000	4730	94.6	80.0-120	
Manganese	50.0	48.8	97.6	80.0-120	
Nickel	50.0	48.7	97.3	80.0-120	
Potassium	5000	4690	93.9	80.0-120	
Selenium	50.0	47.6	95.3	80.0-120	
Silver	50.0	46.4	92.7	80.0-120	
Sodium	5000	4680	93.5	80.0-120	
Thallium	50.0	46.0	92.0	80.0-120	
Vanadium	50.0	48.3	96.6	80.0-120	
Zinc	500	477	95.3	80.0-120	

L1347734-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1347734-02 05/09/21 12:27 • (MS) R3652112-4 05/09/21 12:34 • (MSD) R3652112-5 05/09/21 12:37

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aluminum	5000	30.5	4760	4810	94.7	95.5	1	75.0-125			0.856	20
Arsenic	50.0	U	47.1	45.7	94.2	91.4	1	75.0-125			3.09	20
Barium	50.0	20.7	68.1	66.8	94.7	92.3	1	75.0-125			1.83	20
Beryllium	50.0	U	47.8	47.8	95.7	95.6	1	75.0-125			0.0629	20
Cadmium	50.0	U	49.3	50.4	98.6	101	1	75.0-125			2.09	20
Calcium	5000	466000	459000	463000	0.000	0.000	1	75.0-125	V	V	0.939	20
Chromium	50.0	U	47.9	46.8	95.8	93.6	1	75.0-125			2.36	20
Copper	50.0	U	49.0	49.9	98.1	99.7	1	75.0-125			1.68	20
Potassium	5000	27700	31700	32100	79.3	87.0	1	75.0-125			1.21	20
Iron	5000	234	4980	4870	94.9	92.7	1	75.0-125			2.30	20
Lead	50.0	U	47.3	47.7	94.6	95.4	1	75.0-125			0.837	20
Magnesium	5000	109000	111000	113000	37.5	80.0	1	75.0-125	V		1.89	20
Manganese	50.0	4240	4390	4290	294	91.8	1	75.0-125	V		2.33	20
Nickel	50.0	U	48.9	46.5	97.8	92.9	1	75.0-125			5.18	20
Silver	50.0	U	47.9	48.3	95.8	96.6	1	75.0-125			0.853	20
Sodium	5000	9530	14000	14200	88.7	93.2	1	75.0-125			1.60	20
Vanadium	50.0	U	47.6	46.3	95.2	92.6	1	75.0-125			2.86	20
Zinc	500	4.58	469	452	92.8	89.4	1	75.0-125			3.65	20

Method Blank (MB)

(MB) R3651188-3 05/06/21 09:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Benzene	U		0.0941	1.00
Bromodichloromethane	U		0.136	1.00
Bromochloromethane	U		0.128	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
Carbon disulfide	U		0.0962	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
Cyclohexane	U		0.188	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
Ethylbenzene	U		0.137	1.00
2-Hexanone	U		0.787	10.0
Isopropylbenzene	U		0.105	1.00
2-Butanone (MEK)	U		1.19	10.0
Methyl Acetate	U		1.29	20.0
Methyl Cyclohexane	U		0.660	1.00
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Styrene	U		0.118	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00

Method Blank (MB)

(MB) R3651188-3 05/06/21 09:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
(S) Toluene-d8	*111*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.9*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*113*			*70.0-130*

Method Blank (MB) - TENTATIVELY IDENTIFIED COMPOUNDS

(MB) R3651188-3 05/06/21 09:46

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l	CAS #

Number of TICs found: 0

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651188-1 05/06/21 08:37 • (LCSD) R3651188-2 05/06/21 09:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	28.9	25.7	116	103	40.0-160			11.7	20
Benzene	5.00	4.30	4.30	86.0	86.0	70.0-130			0.000	20
Bromodichloromethane	5.00	4.35	4.37	87.0	87.4	70.0-130			0.459	20
Bromochloromethane	5.00	4.31	4.22	86.2	84.4	70.0-130			2.11	20
Bromoform	5.00	4.07	4.23	81.4	84.6	70.0-130			3.86	20
Bromomethane	5.00	3.75	3.41	75.0	68.2	40.0-160			9.50	20
Carbon disulfide	5.00	4.53	4.52	90.6	90.4	40.0-160			0.221	20
Carbon tetrachloride	5.00	3.50	3.57	70.0	71.4	70.0-130			1.98	20
Chlorobenzene	5.00	4.31	4.40	86.2	88.0	70.0-130			2.07	20
Chlorodibromomethane	5.00	4.36	4.47	87.2	89.4	70.0-130			2.49	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651188-1 05/06/21 08:37 • (LCSD) R3651188-2 05/06/21 09:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloroethane	5.00	5.52	5.42	110	108	40.0-160			1.83	20
Chloroform	5.00	4.72	4.71	94.4	94.2	70.0-130			0.212	20
Chloromethane	5.00	6.91	6.66	138	133	40.0-160			3.68	20
Cyclohexane	5.00	4.01	3.87	80.2	77.4	70.0-130			3.55	30
1,2-Dibromo-3-Chloropropane	5.00	3.86	4.04	77.2	80.8	40.0-160			4.56	20
1,2-Dibromoethane	5.00	4.41	4.64	88.2	92.8	70.0-130			5.08	20
1,2-Dichlorobenzene	5.00	4.42	4.52	88.4	90.4	70.0-130			2.24	20
1,3-Dichlorobenzene	5.00	4.60	4.59	92.0	91.8	70.0-130			0.218	20
1,4-Dichlorobenzene	5.00	4.56	4.56	91.2	91.2	70.0-130			0.000	20
Dichlorodifluoromethane	5.00	5.26	5.24	105	105	40.0-160			0.381	20
1,1-Dichloroethane	5.00	5.23	5.24	105	105	70.0-130			0.191	20
1,2-Dichloroethane	5.00	4.71	4.84	94.2	96.8	70.0-130			2.72	20
1,1-Dichloroethene	5.00	4.99	4.92	99.8	98.4	70.0-130			1.41	20
cis-1,2-Dichloroethene	5.00	4.57	4.52	91.4	90.4	70.0-130			1.10	20
trans-1,2-Dichloroethene	5.00	4.35	4.37	87.0	87.4	70.0-130			0.459	20
1,2-Dichloropropane	5.00	4.99	4.67	99.8	93.4	70.0-130			6.63	20
cis-1,3-Dichloropropene	5.00	4.24	4.41	84.8	88.2	70.0-130			3.93	20
trans-1,3-Dichloropropene	5.00	4.72	4.85	94.4	97.0	70.0-130			2.72	20
Ethylbenzene	5.00	4.12	4.28	82.4	85.6	70.0-130			3.81	20
2-Hexanone	25.0	25.1	26.1	100	104	40.0-160			3.91	20
Isopropylbenzene	5.00	4.28	4.44	85.6	88.8	70.0-130			3.67	20
2-Butanone (MEK)	25.0	30.0	31.6	120	126	40.0-160			5.19	20
Methyl Acetate	25.0	31.6	32.6	126	130	70.0-130			3.12	30
Methyl Cyclohexane	5.00	4.81	4.58	96.2	91.6	40.0-160			4.90	30
Methylene Chloride	5.00	4.89	4.84	97.8	96.8	70.0-130			1.03	20
4-Methyl-2-pentanone (MIBK)	25.0	29.3	30.7	117	123	40.0-160			4.67	20
Methyl tert-butyl ether	5.00	4.62	4.68	92.4	93.6	70.0-130			1.29	20
Naphthalene	5.00	3.38	4.01	67.6	80.2	40.0-160			17.1	20
Styrene	5.00	4.13	4.23	82.6	84.6	70.0-130			2.39	20
1,1,2,2-Tetrachloroethane	5.00	5.64	5.53	113	111	70.0-130			1.97	20
Tetrachloroethene	5.00	4.34	4.11	86.8	82.2	70.0-130			5.44	20
Toluene	5.00	4.55	4.66	91.0	93.2	70.0-130			2.39	20
1,1,2-Trichlorotrifluoroethane	5.00	4.48	4.36	89.6	87.2	70.0-130			2.71	20
1,2,3-Trichlorobenzene	5.00	3.90	4.44	78.0	88.8	70.0-130			12.9	20
1,2,4-Trichlorobenzene	5.00	4.00	4.44	80.0	88.8	70.0-130			10.4	20
1,1,1-Trichloroethane	5.00	4.49	4.44	89.8	88.8	70.0-130			1.12	20
1,1,2-Trichloroethane	5.00	4.64	4.71	92.8	94.2	70.0-130			1.50	20
Trichloroethene	5.00	4.00	4.05	80.0	81.0	70.0-130			1.24	20
Trichlorofluoromethane	5.00	4.44	4.38	88.8	87.6	40.0-160			1.36	20
Vinyl chloride	5.00	5.35	5.29	107	106	70.0-130			1.13	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651188-1 05/06/21 08:37 • (LCSD) R3651188-2 05/06/21 09:00

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Xylenes, Total	15.0	12.1	12.5	80.7	83.3	70.0-130			3.25	20
(S) Toluene-d8				*108*	*111*	*80.0-120*				
(S) 4-Bromofluorobenzene				*88.8*	*92.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*114*	*115*	*70.0-130*				

Method Blank (MB)

(MB) R3650680-3 05/05/21 11:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acetone	U		11.3	50.0
Benzene	U		0.0941	1.00
Bromodichloromethane	U		0.136	1.00
Bromochloromethane	U		0.128	1.00
Bromoform	U		0.129	1.00
Bromomethane	U		0.605	5.00
Carbon disulfide	U		0.0962	1.00
Carbon tetrachloride	U		0.128	1.00
Chlorobenzene	U		0.116	1.00
Chlorodibromomethane	U		0.140	1.00
Chloroethane	U		0.192	5.00
Chloroform	U		0.111	5.00
Chloromethane	U		0.960	2.50
Cyclohexane	U		0.188	1.00
1,2-Dibromo-3-Chloropropane	U		0.276	5.00
1,2-Dibromoethane	U		0.126	1.00
1,2-Dichlorobenzene	U		0.107	1.00
1,3-Dichlorobenzene	U		0.110	1.00
1,4-Dichlorobenzene	U		0.120	1.00
Dichlorodifluoromethane	U		0.374	5.00
1,1-Dichloroethane	U		0.100	1.00
1,2-Dichloroethane	U		0.0819	1.00
1,1-Dichloroethene	U		0.188	1.00
cis-1,2-Dichloroethene	U		0.126	1.00
trans-1,2-Dichloroethene	U		0.149	1.00
1,2-Dichloropropane	U		0.149	1.00
cis-1,3-Dichloropropene	U		0.111	1.00
trans-1,3-Dichloropropene	U		0.118	1.00
Ethylbenzene	U		0.137	1.00
2-Hexanone	U		0.787	10.0
Isopropylbenzene	U		0.105	1.00
2-Butanone (MEK)	U		1.19	10.0
Methyl Acetate	U		1.29	20.0
Methyl Cyclohexane	U		0.660	1.00
Methylene Chloride	U		0.430	5.00
4-Methyl-2-pentanone (MIBK)	U		0.478	10.0
Methyl tert-butyl ether	U		0.101	1.00
Naphthalene	U		1.00	5.00
Styrene	U		0.118	1.00
1,1,2,2-Tetrachloroethane	U		0.133	1.00

Method Blank (MB)

(MB) R3650680-3 05/05/21 11:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Tetrachloroethene	U		0.300	1.00
Toluene	U		0.278	1.00
1,1,2-Trichlorotrifluoroethane	U		0.180	1.00
1,2,3-Trichlorobenzene	U		0.230	1.00
1,2,4-Trichlorobenzene	U		0.481	1.00
1,1,1-Trichloroethane	U		0.149	1.00
1,1,2-Trichloroethane	U		0.158	1.00
Trichloroethene	U		0.190	1.00
Trichlorofluoromethane	U		0.160	5.00
Vinyl chloride	U		0.234	1.00
Xylenes, Total	U		0.174	3.00
tert-Butyl alcohol	U		4.06	5.00
(S) Toluene-d8	*96.7*			*80.0-120*
(S) 4-Bromofluorobenzene	*92.5*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Method Blank (MB) - TENTATIVELY IDENTIFIED COMPOUNDS

(MB) R3650680-3 05/05/21 11:31

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l	CAS #

Number of TICs found: 0

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3650680-1 05/05/21 10:31 • (LCSD) R3650680-2 05/05/21 10:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	25.0	24.9	23.9	99.6	95.6	40.0-160			4.10	20
Benzene	5.00	4.75	5.28	95.0	106	70.0-130			10.6	20
Bromodichloromethane	5.00	5.08	5.22	102	104	70.0-130			2.72	20
Bromochloromethane	5.00	5.75	5.57	115	111	70.0-130			3.18	20
Bromoform	5.00	4.24	4.48	84.8	89.6	70.0-130			5.50	20
Bromomethane	5.00	4.52	5.51	90.4	110	40.0-160			19.7	20
Carbon disulfide	5.00	5.04	5.80	101	116	40.0-160			14.0	20
Carbon tetrachloride	5.00	4.84	5.75	96.8	115	70.0-130			17.2	20
Chlorobenzene	5.00	4.65	5.17	93.0	103	70.0-130			10.6	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3650680-1 05/05/21 10:31 • (LCSD) R3650680-2 05/05/21 10:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chlorodibromomethane	5.00	4.80	4.68	96.0	93.6	70.0-130			2.53	20
Chloroethane	5.00	4.16	5.83	83.2	117	40.0-160		J3	33.4	20
Chloroform	5.00	4.67	4.89	93.4	97.8	70.0-130			4.60	20
Chloromethane	5.00	4.58	4.92	91.6	98.4	40.0-160			7.16	20
Cyclohexane	5.00	4.87	5.33	97.4	107	70.0-130			9.02	30
1,2-Dibromo-3-Chloropropane	5.00	5.07	4.72	101	94.4	40.0-160			7.15	20
1,2-Dibromoethane	5.00	5.21	5.10	104	102	70.0-130			2.13	20
1,2-Dichlorobenzene	5.00	5.41	5.62	108	112	70.0-130			3.81	20
1,3-Dichlorobenzene	5.00	4.77	5.19	95.4	104	70.0-130			8.43	20
1,4-Dichlorobenzene	5.00	5.32	5.35	106	107	70.0-130			0.562	20
Dichlorodifluoromethane	5.00	5.42	6.21	108	124	40.0-160			13.6	20
1,1-Dichloroethane	5.00	5.28	5.65	106	113	70.0-130			6.77	20
1,2-Dichloroethane	5.00	5.15	5.66	103	113	70.0-130			9.44	20
1,1-Dichloroethene	5.00	4.92	5.63	98.4	113	70.0-130			13.5	20
cis-1,2-Dichloroethene	5.00	5.36	5.61	107	112	70.0-130			4.56	20
trans-1,2-Dichloroethene	5.00	5.14	5.67	103	113	70.0-130			9.81	20
1,2-Dichloropropane	5.00	5.21	5.39	104	108	70.0-130			3.40	20
cis-1,3-Dichloropropene	5.00	4.72	5.25	94.4	105	70.0-130			10.6	20
trans-1,3-Dichloropropene	5.00	4.49	4.90	89.8	98.0	70.0-130			8.73	20
Ethylbenzene	5.00	4.76	5.50	95.2	110	70.0-130			14.4	20
2-Hexanone	25.0	24.4	24.3	97.6	97.2	40.0-160			0.411	20
Isopropylbenzene	5.00	4.65	5.34	93.0	107	70.0-130			13.8	20
2-Butanone (MEK)	25.0	26.5	25.6	106	102	40.0-160			3.45	20
Methyl Acetate	25.0	30.5	26.7	122	107	70.0-130			13.3	30
Methyl Cyclohexane	5.00	4.40	4.97	88.0	99.4	40.0-160			12.2	30
Methylene Chloride	5.00	4.79	5.34	95.8	107	70.0-130			10.9	20
4-Methyl-2-pentanone (MIBK)	25.0	24.4	23.9	97.6	95.6	40.0-160			2.07	20
Methyl tert-butyl ether	5.00	5.04	5.15	101	103	70.0-130			2.16	20
Naphthalene	5.00	5.02	4.95	100	99.0	40.0-160			1.40	20
Styrene	5.00	4.55	4.92	91.0	98.4	70.0-130			7.81	20
1,1,2,2-Tetrachloroethane	5.00	5.52	5.11	110	102	70.0-130			7.71	20
Tetrachloroethene	5.00	4.35	5.34	87.0	107	70.0-130		J3	20.4	20
Toluene	5.00	4.63	5.35	92.6	107	70.0-130			14.4	20
1,1,2-Trichlorotrifluoroethane	5.00	4.59	5.11	91.8	102	70.0-130			10.7	20
1,2,3-Trichlorobenzene	5.00	4.94	5.37	98.8	107	70.0-130			8.34	20
1,2,4-Trichlorobenzene	5.00	5.34	5.76	107	115	70.0-130			7.57	20
1,1,1-Trichloroethane	5.00	4.75	5.48	95.0	110	70.0-130			14.3	20
1,1,2-Trichloroethane	5.00	5.06	4.83	101	96.6	70.0-130			4.65	20
Trichloroethene	5.00	4.95	5.54	99.0	111	70.0-130			11.2	20
Trichlorofluoromethane	5.00	4.53	5.05	90.6	101	40.0-160			10.9	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3650680-1 05/05/21 10:31 • (LCSD) R3650680-2 05/05/21 10:51

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Vinyl chloride	5.00	4.74	5.37	94.8	107	70.0-130			12.5	20
Xylenes, Total	15.0	13.7	15.4	91.3	103	70.0-130			11.7	20
tert-Butyl alcohol	25.0	23.2	20.2	92.8	80.8	50.0-150			13.8	20
(S) Toluene-d8				*91.4*	*93.9*	*80.0-120*				
(S) 4-Bromofluorobenzene				*92.4*	*95.1*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*98.0*	*99.7*	*70.0-130*				

Method Blank (MB)

(MB) R3653797-3 05/12/21 15:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
tert-Butyl alcohol	U		4.06	5.00
(S) Toluene-d8	*90.8*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.5*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*89.4*			*70.0-130*

Method Blank (MB) - TENTATIVELY IDENTIFIED COMPOUNDS

(MB) R3653797-3 05/12/21 15:30

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l	CAS #

Number of TICs found: 0

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3653797-1 05/12/21 13:58 • (LCSD) R3653797-2 05/12/21 14:18

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
tert-Butyl alcohol	25.0	21.3	19.6	85.2	78.4	50.0-150			8.31	20
(S) Toluene-d8				*95.8*	*96.8*	*80.0-120*				
(S) 4-Bromofluorobenzene				*94.2*	*90.8*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*92.4*	*87.8*	*70.0-130*				

Method Blank (MB)

(MB) R3651203-4 05/06/21 11:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0207	0.0500
Benzene	U		0.000375	0.00100
Bromodichloromethane	U		0.000725	0.00100
Bromochloromethane	U		0.000335	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00117	0.00500
Carbon disulfide	U		0.000700	0.00100
Carbon tetrachloride	U		0.000248	0.00100
Chlorobenzene	U		0.000192	0.00100
Chlorodibromomethane	U		0.000224	0.00100
Chloroethane	U		0.00100	0.00500
Chloroform	U		0.00103	0.00500
Chloromethane	U		0.000650	0.00250
Cyclohexane	U		0.000268	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00190	0.00500
1,2-Dibromoethane	U		0.000250	0.00100
1,2-Dichlorobenzene	U		0.000425	0.00100
1,3-Dichlorobenzene	U		0.000600	0.00100
1,4-Dichlorobenzene	U		0.000830	0.00100
Dichlorodifluoromethane	U		0.000287	0.00500
1,1-Dichloroethane	U		0.000268	0.00100
1,2-Dichloroethane	U		0.000450	0.00100
1,1-Dichloroethene	U		0.000355	0.00100
cis-1,2-Dichloroethene	U		0.000475	0.00100
trans-1,2-Dichloroethene	U		0.000500	0.00100
1,2-Dichloropropane	U		0.000164	0.00100
cis-1,3-Dichloropropene	U		0.000425	0.00100
trans-1,3-Dichloropropene	U		0.000675	0.00100
Ethylbenzene	U		0.000300	0.00100
2-Hexanone	U		0.00179	0.0100
Isopropylbenzene	U		0.000425	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methyl Acetate	U		0.00300	0.0200
Methyl Cyclohexane	U		0.000775	0.00100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000950	0.0100
Methyl tert-butyl ether	U		0.000350	0.00100
Styrene	U		0.000223	0.00100
1,1,2,2-Tetrachloroethane	U		0.000231	0.00100
Tetrachloroethene	U		0.000325	0.00100

Method Blank (MB)

(MB) R3651203-4 05/06/21 11:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Toluene	U		0.00123	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000370	0.00100
1,1,2-Trichloroethane	U		0.000425	0.00100
Trichloroethene	U		0.000200	0.00100
Trichlorofluoromethane	U		0.000356	0.00500
Vinyl chloride	U		0.000226	0.00100
Xylenes, Total	0.000519	J	0.000500	0.00300
(S) Toluene-d8	*111*			*75.0-131*
(S) 4-Bromofluorobenzene	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*

Method Blank (MB) - TENTATIVELY IDENTIFIED COMPOUNDS

(MB) R3651203-4 05/06/21 11:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg	CAS #

Number of TICs found: 0

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651203-1 05/06/21 09:56 • (LCSD) R3651203-2 05/06/21 10:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.278	0.246	222	197	40.0-160	E J4	E J4	12.2	30
Benzene	0.0250	0.0258	0.0239	103	95.6	70.0-130			7.65	30
Bromodichloromethane	0.0250	0.0273	0.0255	109	102	70.0-130			6.82	30
Bromochloromethane	0.0250	0.0312	0.0287	125	115	70.0-130			8.35	30
Bromoform	0.0250	0.0305	0.0279	122	112	70.0-130			8.90	30
Bromomethane	0.0250	0.0251	0.0248	100	99.2	40.0-160			1.20	30
Carbon disulfide	0.0250	0.0202	0.0189	80.8	75.6	40.0-160			6.65	30
Carbon tetrachloride	0.0250	0.0294	0.0277	118	111	70.0-130			5.95	30
Chlorobenzene	0.0250	0.0288	0.0266	115	106	70.0-130			7.94	30
Chlorodibromomethane	0.0250	0.0291	0.0269	116	108	70.0-130			7.86	30
Chloroethane	0.0250	0.0245	0.0224	98.0	89.6	40.0-160			8.96	30

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651203-1 05/06/21 09:56 • (LCSD) R3651203-2 05/06/21 10:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloroform	0.0250	0.0289	0.0269	116	108	70.0-130			7.17	30
Chloromethane	0.0250	0.0228	0.0216	91.2	86.4	40.0-160			5.41	30
Cyclohexane	0.0250	0.0249	0.0233	99.6	93.2	70.0-130			6.64	30
1,2-Dibromo-3-Chloropropane	0.0250	0.0249	0.0223	99.6	89.2	40.0-160			11.0	30
1,2-Dibromoethane	0.0250	0.0275	0.0251	110	100	70.0-130			9.13	30
1,2-Dichlorobenzene	0.0250	0.0272	0.0252	109	101	70.0-130			7.63	30
1,3-Dichlorobenzene	0.0250	0.0265	0.0247	106	98.8	70.0-130			7.03	30
1,4-Dichlorobenzene	0.0250	0.0267	0.0248	107	99.2	70.0-130			7.38	30
Dichlorodifluoromethane	0.0250	0.0261	0.0247	104	98.8	40.0-160			5.51	30
1,1-Dichloroethane	0.0250	0.0266	0.0250	106	100	70.0-130			6.20	30
1,2-Dichloroethane	0.0250	0.0285	0.0258	114	103	70.0-130			9.94	30
1,1-Dichloroethene	0.0250	0.0256	0.0236	102	94.4	70.0-130			8.13	30
cis-1,2-Dichloroethene	0.0250	0.0277	0.0258	111	103	70.0-130			7.10	30
trans-1,2-Dichloroethene	0.0250	0.0268	0.0249	107	99.6	70.0-130			7.35	30
1,2-Dichloropropane	0.0250	0.0263	0.0241	105	96.4	70.0-130			8.73	30
cis-1,3-Dichloropropene	0.0250	0.0273	0.0252	109	101	70.0-130			8.00	30
trans-1,3-Dichloropropene	0.0250	0.0279	0.0254	112	102	70.0-130			9.38	30
Ethylbenzene	0.0250	0.0278	0.0255	111	102	70.0-130			8.63	30
2-Hexanone	0.125	0.131	0.117	105	93.6	40.0-160			11.3	30
Isopropylbenzene	0.0250	0.0298	0.0269	119	108	70.0-130			10.2	30
2-Butanone (MEK)	0.125	0.141	0.128	113	102	40.0-160			9.67	30
Methyl Acetate	0.125	0.127	0.118	102	94.4	70.0-130			7.35	30
Methyl Cyclohexane	0.0250	0.0240	0.0224	96.0	89.6	40.0-160			6.90	30
Methylene Chloride	0.0250	0.0261	0.0237	104	94.8	70.0-130			9.64	30
4-Methyl-2-pentanone (MIBK)	0.125	0.136	0.122	109	97.6	40.0-160			10.9	30
Methyl tert-butyl ether	0.0250	0.0290	0.0268	116	107	70.0-130			7.89	30
Styrene	0.0250	0.0285	0.0261	114	104	70.0-130			8.79	30
1,1,2,2-Tetrachloroethane	0.0250	0.0239	0.0217	95.6	86.8	70.0-130			9.65	30
Tetrachloroethene	0.0250	0.0285	0.0265	114	106	70.0-130			7.27	30
Toluene	0.0250	0.0259	0.0235	104	94.0	70.0-130			9.72	30
1,1,2-Trichlorotrifluoroethane	0.0250	0.0296	0.0276	118	110	70.0-130			6.99	30
1,2,3-Trichlorobenzene	0.0250	0.0272	0.0249	109	99.6	70.0-130			8.83	30
1,2,4-Trichlorobenzene	0.0250	0.0297	0.0273	119	109	70.0-130			8.42	30
1,1,1-Trichloroethane	0.0250	0.0302	0.0282	121	113	70.0-130			6.85	30
1,1,2-Trichloroethane	0.0250	0.0272	0.0248	109	99.2	70.0-130			9.23	30
Trichloroethene	0.0250	0.0284	0.0266	114	106	70.0-130			6.55	30
Trichlorofluoromethane	0.0250	0.0329	0.0316	132	126	40.0-160			4.03	30
Vinyl chloride	0.0250	0.0250	0.0237	100	94.8	70.0-130			5.34	30
Xylenes, Total	0.0750	0.0858	0.0774	114	103	70.0-130			10.3	30
(S) Toluene-d8				*110*	*108*	*75.0-131*				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651203-1 05/06/21 09:56 • (LCSD) R3651203-2 05/06/21 10:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
(S) 4-Bromofluorobenzene				*109*	*108*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*124*	*122*	*70.0-130*				

Method Blank (MB)

(MB) R3651743-3 05/07/21 12:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0207	0.0500
Benzene	U		0.000375	0.00100
Bromochloromethane	U		0.000335	0.00100
Bromodichloromethane	U		0.000725	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00117	0.00500
Carbon disulfide	U		0.000700	0.00100
Carbon tetrachloride	U		0.000248	0.00100
Chlorobenzene	U		0.000192	0.00100
Chlorodibromomethane	U		0.000224	0.00100
Chloroethane	U		0.00100	0.00500
Chloroform	U		0.00103	0.00500
Chloromethane	U		0.000650	0.00250
Cyclohexane	U		0.000268	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00190	0.00500
1,2-Dibromoethane	U		0.000250	0.00100
Dichlorodifluoromethane	U		0.000287	0.00500
1,1-Dichloroethane	U		0.000268	0.00100
1,2-Dichloroethane	U		0.000450	0.00100
1,2-Dichlorobenzene	U		0.000425	0.00100
1,3-Dichlorobenzene	U		0.000600	0.00100
1,4-Dichlorobenzene	U		0.000830	0.00100
1,1-Dichloroethene	U		0.000355	0.00100
cis-1,2-Dichloroethene	U		0.000475	0.00100
trans-1,2-Dichloroethene	U		0.000500	0.00100
1,2-Dichloropropane	U		0.000164	0.00100
cis-1,3-Dichloropropene	U		0.000425	0.00100
trans-1,3-Dichloropropene	U		0.000675	0.00100
Ethylbenzene	U		0.000300	0.00100
2-Hexanone	U		0.00179	0.0100
Isopropylbenzene	U		0.000425	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methyl Acetate	U		0.00300	0.0200
Methyl Cyclohexane	U		0.000775	0.00100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000950	0.0100
Methyl tert-butyl ether	U		0.000350	0.00100
Styrene	U		0.000223	0.00100
1,1,2,2-Tetrachloroethane	U		0.000231	0.00100
Tetrachloroethene	U		0.000325	0.00100

Method Blank (MB)

(MB) R3651743-3 05/07/21 12:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Toluene	U		0.00123	0.00500
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000370	0.00100
1,1,2-Trichloroethane	U		0.000425	0.00100
Trichloroethene	U		0.000200	0.00100
Trichlorofluoromethane	U		0.000356	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00100
Vinyl chloride	U		0.000226	0.00100
Xylenes, Total	U		0.000500	0.00300
(S) Toluene-d8	*114*			*75.0-131*
(S) 4-Bromofluorobenzene	*103*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Method Blank (MB) - TENTATIVELY IDENTIFIED COMPOUNDS

(MB) R3651743-3 05/07/21 12:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg	CAS #

Number of TICs found: 0

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651743-1 05/07/21 11:16 • (LCSD) R3651743-2 05/07/21 11:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.110	0.120	88.0	96.0	40.0-160			8.70	30
Benzene	0.0250	0.0244	0.0273	97.6	109	70.0-130			11.2	30
Bromodichloromethane	0.0250	0.0238	0.0268	95.2	107	70.0-130			11.9	30
Bromochloromethane	0.0250	0.0239	0.0267	95.6	107	70.0-130			11.1	30
Bromoform	0.0250	0.0249	0.0268	99.6	107	70.0-130			7.35	30
Bromomethane	0.0250	0.0259	0.0279	104	112	40.0-160			7.43	30
Carbon disulfide	0.0250	0.0236	0.0261	94.4	104	40.0-160			10.1	30
Carbon tetrachloride	0.0250	0.0264	0.0293	106	117	70.0-130			10.4	30
Chlorobenzene	0.0250	0.0259	0.0282	104	113	70.0-130			8.50	30
Chlorodibromomethane	0.0250	0.0251	0.0275	100	110	70.0-130			9.13	30
Chloroethane	0.0250	0.0266	0.0289	106	116	40.0-160			8.29	30

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651743-1 05/07/21 11:16 • (LCSD) R3651743-2 05/07/21 11:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Chloroform	0.0250	0.0246	0.0271	98.4	108	70.0-130			9.67	30
Chloromethane	0.0250	0.0217	0.0252	86.8	101	40.0-160			14.9	30
1,2-Dibromo-3-Chloropropane	0.0250	0.0239	0.0253	95.6	101	40.0-160			5.69	30
1,2-Dibromoethane	0.0250	0.0240	0.0261	96.0	104	70.0-130			8.38	30
1,2-Dichlorobenzene	0.0250	0.0241	0.0274	96.4	110	70.0-130			12.8	30
1,3-Dichlorobenzene	0.0250	0.0259	0.0287	104	115	70.0-130			10.3	30
1,4-Dichlorobenzene	0.0250	0.0255	0.0284	102	114	70.0-130			10.8	30
Dichlorodifluoromethane	0.0250	0.0227	0.0254	90.8	102	40.0-160			11.2	30
1,1-Dichloroethane	0.0250	0.0244	0.0273	97.6	109	70.0-130			11.2	30
1,2-Dichloroethane	0.0250	0.0229	0.0255	91.6	102	70.0-130			10.7	30
1,1-Dichloroethene	0.0250	0.0253	0.0279	101	112	70.0-130			9.77	30
cis-1,2-Dichloroethene	0.0250	0.0241	0.0269	96.4	108	70.0-130			11.0	30
trans-1,2-Dichloroethene	0.0250	0.0250	0.0277	100	111	70.0-130			10.2	30
1,2-Dichloropropane	0.0250	0.0243	0.0271	97.2	108	70.0-130			10.9	30
cis-1,3-Dichloropropene	0.0250	0.0245	0.0272	98.0	109	70.0-130			10.4	30
trans-1,3-Dichloropropene	0.0250	0.0259	0.0281	104	112	70.0-130			8.15	30
Ethylbenzene	0.0250	0.0249	0.0273	99.6	109	70.0-130			9.20	30
2-Hexanone	0.125	0.112	0.116	89.6	92.8	40.0-160			3.51	30
Isopropylbenzene	0.0250	0.0268	0.0292	107	117	70.0-130			8.57	30
2-Butanone (MEK)	0.125	0.112	0.117	89.6	93.6	40.0-160			4.37	30
Methylene Chloride	0.0250	0.0221	0.0252	88.4	101	70.0-130			13.1	30
4-Methyl-2-pentanone (MIBK)	0.125	0.119	0.125	95.2	100	40.0-160			4.92	30
Methyl tert-butyl ether	0.0250	0.0227	0.0250	90.8	100	70.0-130			9.64	30
Styrene	0.0250	0.0268	0.0294	107	118	70.0-130			9.25	30
1,1,2,2-Tetrachloroethane	0.0250	0.0222	0.0242	88.8	96.8	70.0-130			8.62	30
Tetrachloroethene	0.0250	0.0270	0.0295	108	118	70.0-130			8.85	30
Toluene	0.0250	0.0255	0.0277	102	111	70.0-130			8.27	30
1,1,2-Trichlorotrifluoroethane	0.0250	0.0255	0.0284	102	114	70.0-130			10.8	30
1,2,3-Trichlorobenzene	0.0250	0.0258	0.0290	103	116	70.0-130			11.7	30
1,2,4-Trichlorobenzene	0.0250	0.0272	0.0307	109	123	70.0-130			12.1	30
1,1,1-Trichloroethane	0.0250	0.0253	0.0280	101	112	70.0-130			10.1	30
1,1,2-Trichloroethane	0.0250	0.0242	0.0263	96.8	105	70.0-130			8.32	30
Trichloroethene	0.0250	0.0256	0.0288	102	115	70.0-130			11.8	30
Trichlorofluoromethane	0.0250	0.0254	0.0277	102	111	40.0-160			8.66	30
Vinyl chloride	0.0250	0.0241	0.0267	96.4	107	70.0-130			10.2	30
Xylenes, Total	0.0750	0.0763	0.0835	102	111	70.0-130			9.01	30
Methyl Cyclohexane	0.0250	0.0252	0.0280	101	112	40.0-160			10.5	30
Cyclohexane	0.0250	0.0247	0.0274	98.8	110	70.0-130			10.4	30
Methyl Acetate	0.125	0.110	0.116	88.0	92.8	70.0-130			5.31	30
(S) Toluene-d8				*112*	*112*	*75.0-131*				

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651743-1 05/07/21 11:16 • (LCSD) R3651743-2 05/07/21 11:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
(S) 4-Bromofluorobenzene				*106*	*104*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*114*	*114*	*70.0-130*				

Method Blank (MB)

(MB) R3656011-4 05/13/21 15:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0207	0.0500
Benzene	U		0.000375	0.00100
Bromodichloromethane	U		0.000725	0.00100
Bromochloromethane	U		0.000335	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00117	0.00500
Carbon disulfide	U		0.000700	0.00100
Carbon tetrachloride	U		0.000248	0.00100
Chlorobenzene	U		0.000192	0.00100
Chlorodibromomethane	U		0.000224	0.00100
Chloroethane	U		0.00100	0.00500
Chloroform	U		0.00103	0.00500
Chloromethane	U		0.000650	0.00250
Cyclohexane	U		0.000268	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00190	0.00500
1,2-Dibromoethane	U		0.000250	0.00100
1,2-Dichlorobenzene	U		0.000425	0.00100
1,3-Dichlorobenzene	U		0.000600	0.00100
1,4-Dichlorobenzene	U		0.000830	0.00100
Dichlorodifluoromethane	U		0.000287	0.00500
1,1-Dichloroethane	U		0.000268	0.00100
1,2-Dichloroethane	U		0.000450	0.00100
1,1-Dichloroethene	U		0.000355	0.00100
cis-1,2-Dichloroethene	U		0.000475	0.00100
trans-1,2-Dichloroethene	U		0.000500	0.00100
1,2-Dichloropropane	U		0.000164	0.00100
cis-1,3-Dichloropropene	U		0.000425	0.00100
trans-1,3-Dichloropropene	U		0.000675	0.00100
Ethylbenzene	0.000312	J	0.000300	0.00100
2-Hexanone	U		0.00179	0.0100
Isopropylbenzene	U		0.000425	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methyl Acetate	U		0.00300	0.0200
Methyl Cyclohexane	U		0.000775	0.00100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000950	0.0100
Methyl tert-butyl ether	U		0.000350	0.00100
Styrene	U		0.000223	0.00100
1,1,2,2-Tetrachloroethane	U		0.000231	0.00100
Tetrachloroethene	U		0.000325	0.00100

Method Blank (MB)

(MB) R3656011-4 05/13/21 15:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Toluene	U		0.00123	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000426	0.00100
1,2,3-Trichlorobenzene	0.000329	J	0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000370	0.00100
1,1,2-Trichloroethane	U		0.000425	0.00100
Trichloroethene	U		0.000200	0.00100
Trichlorofluoromethane	U		0.000356	0.00500
Vinyl chloride	U		0.000226	0.00100
Xylenes, Total	0.000604	J	0.000500	0.00300
(S) Toluene-d8	*110*			*75.0-131*
(S) 4-Bromofluorobenzene	*104*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Method Blank (MB) - TENTATIVELY IDENTIFIED COMPOUNDS

(MB) R3656011-4 05/13/21 15:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg	CAS #

Number of TICs found: 0

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Laboratory Control Sample (LCS)

(LCS) R3656011-1 05/13/21 13:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.125	0.180	144	40.0-160	E
Benzene	0.0250	0.0237	94.8	70.0-130	
Bromodichloromethane	0.0250	0.0233	93.2	70.0-130	
Bromochloromethane	0.0250	0.0266	106	70.0-130	
Bromoform	0.0250	0.0239	95.6	70.0-130	
Bromomethane	0.0250	0.0211	84.4	40.0-160	
Carbon disulfide	0.0250	0.0206	82.4	40.0-160	
Carbon tetrachloride	0.0250	0.0244	97.6	70.0-130	
Chlorobenzene	0.0250	0.0250	100	70.0-130	
Chlorodibromomethane	0.0250	0.0236	94.4	70.0-130	
Chloroethane	0.0250	0.0197	78.8	40.0-160	

Laboratory Control Sample (LCS)

(LCS) R3656011-1 05/13/21 13:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloroform	0.0250	0.0247	98.8	70.0-130	
Chloromethane	0.0250	0.0217	86.8	40.0-160	
Cyclohexane	0.0250	0.0236	94.4	70.0-130	
1,2-Dibromo-3-Chloropropane	0.0250	0.0195	78.0	40.0-160	
1,2-Dibromoethane	0.0250	0.0228	91.2	70.0-130	
1,2-Dichlorobenzene	0.0250	0.0241	96.4	70.0-130	
1,3-Dichlorobenzene	0.0250	0.0238	95.2	70.0-130	
1,4-Dichlorobenzene	0.0250	0.0237	94.8	70.0-130	
Dichlorodifluoromethane	0.0250	0.0248	99.2	40.0-160	
1,1-Dichloroethane	0.0250	0.0233	93.2	70.0-130	
1,2-Dichloroethane	0.0250	0.0217	86.8	70.0-130	
1,1-Dichloroethene	0.0250	0.0238	95.2	70.0-130	
cis-1,2-Dichloroethene	0.0250	0.0246	98.4	70.0-130	
trans-1,2-Dichloroethene	0.0250	0.0244	97.6	70.0-130	
1,2-Dichloropropane	0.0250	0.0233	93.2	70.0-130	
cis-1,3-Dichloropropene	0.0250	0.0239	95.6	70.0-130	
trans-1,3-Dichloropropene	0.0250	0.0231	92.4	70.0-130	
Ethylbenzene	0.0250	0.0242	96.8	70.0-130	
2-Hexanone	0.125	0.0971	77.7	40.0-160	
Isopropylbenzene	0.0250	0.0255	102	70.0-130	
2-Butanone (MEK)	0.125	0.0978	78.2	40.0-160	
Methyl Acetate	0.125	0.0942	75.4	70.0-130	
Methyl Cyclohexane	0.0250	0.0229	91.6	40.0-160	
Methylene Chloride	0.0250	0.0236	94.4	70.0-130	
4-Methyl-2-pentanone (MIBK)	0.125	0.0957	76.6	40.0-160	
Methyl tert-butyl ether	0.0250	0.0241	96.4	70.0-130	
Styrene	0.0250	0.0250	100	70.0-130	
1,1,2,2-Tetrachloroethane	0.0250	0.0201	80.4	70.0-130	
Tetrachloroethene	0.0250	0.0251	100	70.0-130	
Toluene	0.0250	0.0226	90.4	70.0-130	
1,1,2-Trichlorotrifluoroethane	0.0250	0.0264	106	70.0-130	
1,2,3-Trichlorobenzene	0.0250	0.0242	96.8	70.0-130	
1,2,4-Trichlorobenzene	0.0250	0.0269	108	70.0-130	
1,1,1-Trichloroethane	0.0250	0.0247	98.8	70.0-130	
1,1,2-Trichloroethane	0.0250	0.0232	92.8	70.0-130	
Trichloroethene	0.0250	0.0249	99.6	70.0-130	
Trichlorofluoromethane	0.0250	0.0269	108	40.0-160	
Vinyl chloride	0.0250	0.0214	85.6	70.0-130	
Xylenes, Total	0.0750	0.0726	96.8	70.0-130	
(S) Toluene-d8			*110*	*75.0-131*	

Laboratory Control Sample (LCS)

(LCS) R3656011-1 05/13/21 13:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) 4-Bromofluorobenzene			*106*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*106*	*70.0-130*	

Method Blank (MB)

(MB) R3651049-1 05/05/21 13:48

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
EPH Screen	U		7.10	20.0
(S) o-Terphenyl	*79.1*			*40.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651049-2 05/05/21 14:02 • (LCSD) R3651049-3 05/05/21 14:15

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
EPH Screen	206	155	157	75.2	76.2	40.0-140			1.28	50
(S) o-Terphenyl				*81.2*	*80.3*	*40.0-140*				

L1345179-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345179-10 05/05/21 18:14 • (MS) R3651049-4 05/05/21 18:27 • (MSD) R3651049-5 05/05/21 18:41

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
EPH Screen	241	128	205	274	31.7	61.1	1	40.0-140	J6		29.0	50
(S) o-Terphenyl					*79.5*	*73.3*		*40.0-140*				

Method Blank (MB)

(MB) R3651050-1 05/05/21 20:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
EPH Screen	U		7.10	20.0
(S) o-Terphenyl	*77.6*			*40.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651050-2 05/05/21 20:13 • (LCSD) R3651050-3 05/05/21 20:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
EPH Screen	206	157	175	76.2	85.0	40.0-140			10.8	50
(S) o-Terphenyl				*81.6*	*86.8*	*40.0-140*				

L1346847-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1346847-02 05/05/21 23:18 • (MS) R3651050-4 05/05/21 23:31 • (MSD) R3651050-5 05/05/21 23:45

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
EPH Screen	218	13.1	192	183	82.0	76.5	1	40.0-140			4.62	50
(S) o-Terphenyl					*77.9*	*77.5*		*40.0-140*				

Method Blank (MB)

(MB) R3651226-1 05/06/21 01:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aldrin	U		0.00376	0.0200
Alpha BHC	U		0.00368	0.0200
Beta BHC	U		0.00379	0.0200
Delta BHC	U		0.00346	0.0200
Gamma BHC	U		0.00344	0.0200
4,4-DDD	U		0.00370	0.0200
4,4-DDE	U		0.00366	0.0200
4,4-DDT	U		0.00627	0.0200
Dieldrin	U		0.00344	0.0200
Endosulfan I	U		0.00363	0.0200
Endosulfan II	U		0.00335	0.0200
Endosulfan sulfate	U		0.00364	0.0200
Endrin	U		0.00350	0.0200
Endrin aldehyde	U		0.00339	0.0200
Endrin ketone	U		0.00711	0.0200
Heptachlor	U		0.00428	0.0200
Heptachlor epoxide	U		0.00339	0.0200
Hexachlorobenzene	U		0.00346	0.0200
Methoxychlor	U		0.00484	0.0200
Chlordane	U		0.103	0.300
Toxaphene	U		0.124	0.400
(S) Decachlorobiphenyl	*59.0*			*30.0-150*
(S) Tetrachloro-m-xylene	*64.6*			*30.0-150*

Laboratory Control Sample (LCS)

(LCS) R3651226-2 05/06/21 01:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aldrin	0.0666	0.0531	79.7	40.0-140	
Alpha BHC	0.0666	0.0529	79.4	40.0-140	
Beta BHC	0.0666	0.0560	84.1	40.0-140	
Delta BHC	0.0666	0.0521	78.2	40.0-140	
Gamma BHC	0.0666	0.0550	82.6	40.0-140	
4,4-DDD	0.0666	0.0510	76.6	40.0-140	
4,4-DDE	0.0666	0.0501	75.2	40.0-140	
4,4-DDT	0.0666	0.0535	80.3	40.0-140	
Dieldrin	0.0666	0.0530	79.6	40.0-140	
Endosulfan I	0.0666	0.0564	84.7	40.0-140	

Laboratory Control Sample (LCS)

(LCS) R3651226-2 05/06/21 01:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endosulfan II	0.0666	0.0547	82.1	40.0-140	
Endosulfan sulfate	0.0666	0.0524	78.7	40.0-140	
Endrin	0.0666	0.0538	80.8	40.0-140	
Endrin aldehyde	0.0666	0.0617	92.6	40.0-140	
Endrin ketone	0.0666	0.0575	86.3	40.0-140	
Heptachlor	0.0666	0.0524	78.7	40.0-140	
Heptachlor epoxide	0.0666	0.0515	77.3	40.0-140	
Hexachlorobenzene	0.0666	0.0453	68.0	40.0-140	
Methoxychlor	0.0666	0.0573	86.0	40.0-140	
(S) Decachlorobiphenyl			*59.9*	*30.0-150*	
(S) Tetrachloro-m-xylene			*68.3*	*30.0-150*	

L1345179-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345179-14 05/06/21 12:16 • (MS) R3651226-3 05/06/21 12:31 • (MSD) R3651226-4 05/06/21 12:45

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0768	U	0.0701	0.0712	91.3	92.6	1	30.0-150			1.47	30
Alpha BHC	0.0768	U	0.0683	0.0662	88.9	86.2	1	30.0-150			3.09	30
Beta BHC	0.0768	U	0.0679	0.0630	88.4	82.0	1	30.0-150			7.58	30
Delta BHC	0.0768	U	0.0646	0.0595	84.1	77.5	1	30.0-150			8.18	30
Gamma BHC	0.0768	U	0.0697	0.0656	90.7	85.4	1	30.0-150			5.97	30
4,4-DDD	0.0768	U	0.0663	0.0610	86.3	79.4	1	30.0-150			8.33	30
4,4-DDE	0.0768	U	0.0653	0.0631	85.0	82.1	1	30.0-150			3.41	30
4,4-DDT	0.0768	U	0.0714	0.0663	92.9	86.3	1	30.0-150			7.37	30
Dieldrin	0.0768	U	0.0667	0.0602	86.8	78.4	1	30.0-150			10.2	30
Endosulfan I	0.0768	U	0.0708	0.0644	92.2	83.8	1	30.0-150			9.56	30
Endosulfan II	0.0768	U	0.0671	0.0571	87.4	74.3	1	30.0-150			16.2	30
Endosulfan sulfate	0.0768	U	0.0645	0.0538	83.9	70.0	1	30.0-150			18.1	30
Endrin	0.0768	U	0.0678	0.0606	88.3	78.8	1	30.0-150			11.3	30
Endrin aldehyde	0.0768	U	0.0771	0.0666	100	86.6	1	30.0-150			14.6	30
Endrin ketone	0.0768	U	0.0704	0.0585	91.6	76.1	1	30.0-150			18.4	30
Heptachlor	0.0768	U	0.0703	0.0714	91.4	92.9	1	30.0-150			1.63	30
Heptachlor epoxide	0.0768	U	0.0653	0.0611	85.0	79.6	1	30.0-150			6.57	30
Hexachlorobenzene	0.0768	U	0.0621	0.0633	80.8	82.4	1	30.0-150			2.02	30
Methoxychlor	0.0768	U	0.0752	0.0621	97.9	80.8	1	30.0-150			19.2	30
(S) Decachlorobiphenyl					*76.4*	*79.6*		*30.0-150*				
(S) Tetrachloro-m-xylene					*84.4*	*88.3*		*30.0-150*				

Method Blank (MB)

(MB) R3651223-1 05/05/21 13:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Aldrin	U		0.00376	0.0200
Alpha BHC	U		0.00368	0.0200
Beta BHC	U		0.00379	0.0200
Delta BHC	U		0.00346	0.0200
Gamma BHC	U		0.00344	0.0200
4,4-DDD	U		0.00370	0.0200
4,4-DDE	U		0.00366	0.0200
4,4-DDT	U		0.00627	0.0200
Dieldrin	U		0.00344	0.0200
Endosulfan I	U		0.00363	0.0200
Endosulfan II	U		0.00335	0.0200
Endosulfan sulfate	U		0.00364	0.0200
Endrin	U		0.00350	0.0200
Endrin aldehyde	U		0.00339	0.0200
Endrin ketone	U		0.00711	0.0200
Heptachlor	U		0.00428	0.0200
Heptachlor epoxide	U		0.00339	0.0200
Hexachlorobenzene	U		0.00346	0.0200
Methoxychlor	U		0.00484	0.0200
Chlordane	U		0.103	0.300
Toxaphene	U		0.124	0.400
(S) Decachlorobiphenyl	*67.9*			*30.0-150*
(S) Tetrachloro-m-xylene	*64.4*			*30.0-150*

Laboratory Control Sample (LCS)

(LCS) R3651223-2 05/05/21 13:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aldrin	0.0666	0.0441	66.2	40.0-140	
Alpha BHC	0.0666	0.0395	59.3	40.0-140	
Beta BHC	0.0666	0.0432	64.9	40.0-140	
Delta BHC	0.0666	0.0390	58.6	40.0-140	
Gamma BHC	0.0666	0.0409	61.4	40.0-140	
4,4-DDD	0.0666	0.0461	69.2	40.0-140	
4,4-DDE	0.0666	0.0498	74.8	40.0-140	
4,4-DDT	0.0666	0.0437	65.6	40.0-140	
Dieldrin	0.0666	0.0507	76.1	40.0-140	
Endosulfan I	0.0666	0.0510	76.6	40.0-140	

Laboratory Control Sample (LCS)

(LCS) R3651223-2 05/05/21 13:49

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endosulfan II	0.0666	0.0541	81.2	40.0-140	
Endosulfan sulfate	0.0666	0.0470	70.6	40.0-140	
Endrin	0.0666	0.0478	71.8	40.0-140	
Endrin aldehyde	0.0666	0.0514	77.2	40.0-140	
Endrin ketone	0.0666	0.0473	71.0	40.0-140	
Heptachlor	0.0666	0.0389	58.4	40.0-140	
Heptachlor epoxide	0.0666	0.0509	76.4	40.0-140	
Hexachlorobenzene	0.0666	0.0487	73.1	40.0-140	
Methoxychlor	0.0666	0.0458	68.8	40.0-140	
(S) Decachlorobiphenyl			*72.8*	*30.0-150*	
(S) Tetrachloro-m-xylene			*68.9*	*30.0-150*	

L1342889-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1342889-02 05/06/21 06:15 • (MS) R3651238-1 05/06/21 06:32 • (MSD) R3651238-2 05/06/21 06:48

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Aldrin	0.0679	U	0.0372	0.0394	54.8	58.0	1	30.0-150			5.59	30
Alpha BHC	0.0679	U	0.0358	0.0380	52.7	56.0	1	30.0-150			6.08	30
Beta BHC	0.0679	U	0.0337	0.0366	49.5	53.9	1	30.0-150			8.42	30
Delta BHC	0.0679	U	0.0354	0.0375	52.1	55.3	1	30.0-150			5.87	30
Gamma BHC	0.0679	U	0.0366	0.0389	53.9	57.2	1	30.0-150			5.95	30
4,4-DDD	0.0679	U	0.0350	0.0375	51.5	55.3	1	30.0-150			7.03	30
4,4-DDE	0.0679	U	0.0352	0.0345	51.8	50.8	1	30.0-150			2.05	30
4,4-DDT	0.0679	U	0.0406	0.0425	59.8	62.6	1	30.0-150			4.66	30
Dieldrin	0.0679	U	0.0356	0.0378	52.4	55.7	1	30.0-150			6.11	30
Endosulfan I	0.0679	U	0.0358	0.0379	52.7	55.9	1	30.0-150			5.81	30
Endosulfan II	0.0679	U	0.0382	0.0405	56.3	59.6	1	30.0-150			5.70	30
Endosulfan sulfate	0.0679	U	0.0336	0.0357	49.4	52.6	1	30.0-150			6.19	30
Endrin	0.0679	U	0.0358	0.0396	52.7	58.3	1	30.0-150			10.0	30
Endrin aldehyde	0.0679	U	0.0376	0.0389	55.4	57.2	1	30.0-150			3.20	30
Endrin ketone	0.0679	U	0.0346	0.0367	50.9	54.1	1	30.0-150			6.01	30
Heptachlor	0.0679	U	0.0338	0.0366	49.7	53.9	1	30.0-150			8.12	30
Heptachlor epoxide	0.0679	U	0.0355	0.0378	52.3	55.7	1	30.0-150			6.40	30
Hexachlorobenzene	0.0679	U	0.0360	0.0371	53.0	54.7	1	30.0-150			3.07	30
Methoxychlor	0.0679	U	0.0398	0.0436	58.6	64.1	1	30.0-150		P	9.06	30
(S) Decachlorobiphenyl					*58.6*	*50.0*		*30.0-150*				
(S) Tetrachloro-m-xylene					*59.5*	*49.5*		*30.0-150*				

Method Blank (MB)

(MB) R3650351-1 05/04/21 23:27

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Aldrin	U		0.00813	0.0400
Alpha BHC	U		0.0166	0.0200
Beta BHC	U		0.0184	0.0400
Delta BHC	U		0.0197	0.0500
Gamma BHC	U		0.0176	0.0300
4,4-DDD	U		0.0170	0.0500
4,4-DDE	U		0.0164	0.0500
4,4-DDT	U		0.0177	0.0500
Dieldrin	U		0.00751	0.0500
Endosulfan I	U		0.0179	0.0500
Endosulfan II	U		0.0176	0.0500
Endosulfan sulfate	U		0.0196	0.0500
Endrin	U		0.0189	0.0500
Endrin aldehyde	U		0.0142	0.0500
Endrin ketone	U		0.0170	0.0500
Heptachlor	U		0.0108	0.0500
Heptachlor epoxide	U		0.0175	0.0500
Hexachlorobenzene	U		0.0134	0.0500
Methoxychlor	U		0.0193	0.0500
Chlordane	U		0.0977	0.500
Toxaphene	U		0.168	0.500
(S) Decachlorobiphenyl	*65.9*			*30.0-150*
(S) Tetrachloro-m-xylene	*69.8*			*30.0-150*

Laboratory Control Sample (LCS)

(LCS) R3650351-2 05/04/21 23:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aldrin	1.00	0.967	96.7	40.0-140	
Alpha BHC	1.00	0.961	96.1	40.0-140	
Beta BHC	1.00	1.04	104	40.0-140	
Delta BHC	1.00	0.976	97.6	40.0-140	
Gamma BHC	1.00	1.01	101	40.0-140	
4,4-DDD	1.00	1.00	100	40.0-140	
4,4-DDE	1.00	0.952	95.2	40.0-140	
4,4-DDT	1.00	1.01	101	40.0-140	
Dieldrin	1.00	1.04	104	40.0-140	
Endosulfan I	1.00	1.08	108	40.0-140	

Laboratory Control Sample (LCS)

(LCS) R3650351-2 05/04/21 23:57

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endosulfan II	1.00	1.10	110	40.0-140	
Endosulfan sulfate	1.00	1.06	106	40.0-140	
Endrin	1.00	1.03	103	40.0-140	
Endrin aldehyde	1.00	1.28	128	40.0-140	
Endrin ketone	1.00	1.17	117	40.0-140	
Heptachlor	1.00	0.914	91.4	40.0-140	
Heptachlor epoxide	1.00	0.975	97.5	40.0-140	
Hexachlorobenzene	1.00	0.798	79.8	40.0-140	
Methoxychlor	1.00	1.15	115	40.0-140	
(S) Decachlorobiphenyl			*55.6*	*30.0-150*	
(S) Tetrachloro-m-xylene			*79.3*	*30.0-150*	

Method Blank (MB)

(MB) R3650592-1 05/04/21 16:57

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
Total PCBs	U		0.00738	0.0170
(S) Decachlorobiphenyl	*91.4*			*30.0-150*
(S) Tetrachloro-m-xylene	*86.8*			*30.0-150*

Laboratory Control Sample (LCS)

(LCS) R3650592-2 05/04/21 17:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1260	0.167	0.137	82.0	40.0-140	
PCB 1016	0.167	0.135	80.8	40.0-140	
(S) Decachlorobiphenyl			*86.3*	*30.0-150*	
(S) Tetrachloro-m-xylene			*82.4*	*30.0-150*	

L1346073-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1346073-01 05/04/21 20:27 • (MS) R3650592-3 05/04/21 20:37 • (MSD) R3650592-4 05/04/21 20:48

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.167	U	0.151	0.154	90.4	92.2	1	30.0-150			1.97	30
PCB 1016	0.167	U	0.167	0.163	100	97.6	1	30.0-150	P	P	2.42	30
(S) Decachlorobiphenyl					*92.3*	*91.9*		*30.0-150*				
(S) Tetrachloro-m-xylene					*95.2*	*95.0*		*30.0-150*				

Method Blank (MB)

(MB) R3650681-1 05/05/21 11:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
Total PCBs	U		0.00738	0.0170
(S) Decachlorobiphenyl	*65.5*			*30.0-150*
(S) Tetrachloro-m-xylene	*55.6*			*30.0-150*

Laboratory Control Sample (LCS)

(LCS) R3650681-2 05/05/21 12:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1260	0.167	0.130	77.8	40.0-140	
PCB 1016	0.167	0.130	77.8	40.0-140	
(S) Decachlorobiphenyl			*86.9*	*30.0-150*	
(S) Tetrachloro-m-xylene			*78.4*	*30.0-150*	

L1345179-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345179-14 05/05/21 15:54 • (MS) R3650681-3 05/05/21 16:04 • (MSD) R3650681-4 05/05/21 16:14

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.193	U	0.145	0.145	75.4	75.4	1	30.0-150			0.000	30
PCB 1016	0.193	U	0.167	0.152	86.8	79.0	1	30.0-150			9.39	30
(S) Decachlorobiphenyl					*81.8*	*73.0*		*30.0-150*				
(S) Tetrachloro-m-xylene					*86.8*	*78.2*		*30.0-150*				

Method Blank (MB)

(MB) R3650682-1 05/05/21 11:34

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
Total PCBs	U		0.00738	0.0170
(S) Decachlorobiphenyl	*78.1*			*30.0-150*
(S) Tetrachloro-m-xylene	*74.0*			*30.0-150*

Laboratory Control Sample (LCS)

(LCS) R3650682-2 05/05/21 11:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1260	0.167	0.133	79.6	40.0-140	
PCB 1016	0.167	0.131	78.4	40.0-140	
(S) Decachlorobiphenyl			*89.6*	*30.0-150*	
(S) Tetrachloro-m-xylene			*77.6*	*30.0-150*	

L1342889-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1342889-02 05/05/21 12:54 • (MS) R3650682-3 05/05/21 13:04 • (MSD) R3650682-4 05/05/21 13:14

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.170	0.0254	0.129	0.139	60.5	66.5	1	30.0-150			7.63	30
PCB 1016	0.170	U	0.117	0.121	68.9	71.3	1	30.0-150	P	P	3.42	30
(S) Decachlorobiphenyl					*63.5*	*69.5*		*30.0-150*				
(S) Tetrachloro-m-xylene					*55.4*	*61.0*		*30.0-150*				

Method Blank (MB)

(MB) R3650161-1 05/04/21 10:05

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
PCB 1260	U		0.120	0.500
PCB 1016	U		0.100	0.500
PCB 1221	U		0.0730	0.500
PCB 1232	U		0.0420	0.500
PCB 1242	U		0.0470	0.500
PCB 1248	U		0.0860	0.500
PCB 1254	U		0.0470	0.500
Total PCBs	U		0.0420	0.500
(S) Decachlorobiphenyl	*82.7*			*30.0-150*
(S) Tetrachloro-m-xylene	*67.9*			*30.0-150*

Laboratory Control Sample (LCS)

(LCS) R3650161-2 05/04/21 10:15

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1260	2.50	2.02	80.8	40.0-140	P
PCB 1016	2.50	3.19	128	40.0-140	
(S) Decachlorobiphenyl			*63.1*	*30.0-150*	
(S) Tetrachloro-m-xylene			*86.4*	*30.0-150*	

Method Blank (MB)

(MB) R3651752-1 05/07/21 10:43

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
PCB 1260	U		0.120	0.500
PCB 1016	U		0.100	0.500
PCB 1221	U		0.0730	0.500
PCB 1232	U		0.0420	0.500
PCB 1242	U		0.0470	0.500
PCB 1248	U		0.0860	0.500
PCB 1254	U		0.0470	0.500
Total PCBs	U		0.0420	0.500
(S) Decachlorobiphenyl	*46.2*			*30.0-150*
(S) Tetrachloro-m-xylene	*95.6*			*30.0-150*

Laboratory Control Sample (LCS)

(LCS) R3651752-2 05/07/21 10:53

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1260	2.50	1.48	59.2	40.0-140	
PCB 1016	2.50	2.22	88.8	40.0-140	
(S) Decachlorobiphenyl			*41.8*	*30.0-150*	
(S) Tetrachloro-m-xylene			*87.1*	*30.0-150*	

Method Blank (MB)

(MB) R3651100-2 05/06/21 00:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Acetophenone	U		0.0104	0.333
Anthracene	U		0.00593	0.0333
Atrazine	U		0.0115	0.333
Benzaldehyde	U		0.0177	0.333
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Biphenyl	U		0.0106	0.333
Bis(2-chlorethoxy)methane	U		0.0100	0.333
Bis(2-chloroethyl)ether	U		0.0110	0.333
2,2-oxybis(1-chloropropane)	U		0.0144	0.333
4-Bromophenyl-phenylether	U		0.0117	0.333
Caprolactam	U		0.0165	0.333
Carbazole	U		0.0103	0.333
4-Chloroaniline	U		0.0120	0.333
2-Chloronaphthalene	U		0.00585	0.0333
4-Chlorophenyl-phenylether	U		0.0116	0.333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
Dibenzofuran	U		0.0109	0.333
3,3-Dichlorobenzidine	U		0.0123	0.333
2,4-Dinitrotoluene	U		0.00955	0.333
2,6-Dinitrotoluene	U		0.0109	0.333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Hexachlorobenzene	U		0.0118	0.333
Hexachloro-1,3-butadiene	U		0.0112	0.333
Hexachlorocyclopentadiene	U		0.0175	0.333
Hexachloroethane	U		0.0131	0.333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Isophorone	U		0.0102	0.333
2-Methylnaphthalene	U		0.00432	0.0333
Naphthalene	U		0.00836	0.0333
2-Nitroaniline	U		0.0107	0.333
3-Nitroaniline	U		0.0106	0.333
4-Nitroaniline	U		0.00971	0.333

Method Blank (MB)

(MB) R3651100-2 05/06/21 00:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Nitrobenzene	U		0.0116	0.333
n-Nitrosodiphenylamine	U		0.0252	0.333
n-Nitrosodi-n-propylamine	U		0.0111	0.333
Phenanthrene	U		0.00661	0.0333
Benzylbutyl phthalate	U		0.0104	0.333
Bis(2-ethylhexyl)phthalate	U		0.0422	0.333
Di-n-butyl phthalate	U		0.0114	0.333
Diethyl phthalate	U		0.0110	0.333
Dimethyl phthalate	U		0.0706	0.333
Di-n-octyl phthalate	U		0.0225	0.333
Pyrene	U		0.00648	0.0333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	0.333
2-Methylphenol	U		0.0100	0.333
3&4-Methyl Phenol	U		0.0104	0.333
2,4-Dichlorophenol	U		0.00970	0.333
2,4-Dimethylphenol	U		0.00870	0.333
4,6-Dinitro-2-methylphenol	U		0.0755	0.333
2,4-Dinitrophenol	U		0.0779	0.333
2-Nitrophenol	U		0.0119	0.333
4-Nitrophenol	U		0.0104	0.333
Pentachlorophenol	U		0.00896	0.333
Phenol	U		0.0134	0.333
1,2,4,5-Tetrachlorobenzene	U		0.0159	0.333
2,4,5-Trichlorophenol	U		0.0113	0.333
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) Nitrobenzene-d5	*61.6*			*30.0-130*
(S) 2-Fluorobiphenyl	*70.9*			*30.0-130*
(S) p-Terphenyl-d14	*73.6*			*30.0-130*
(S) Phenol-d5	*66.7*			*30.0-130*
(S) 2-Fluorophenol	*75.4*			*30.0-130*
(S) 2,4,6-Tribromophenol	*67.9*			*30.0-130*

Method Blank (MB) - TENTATIVELY IDENTIFIED COMPOUNDS

(MB) R3651100-2 05/06/21 00:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg	CAS #

Number of TICs found: 0

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Laboratory Control Sample (LCS)

(LCS) R3651100-1 05/06/21 00:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.428	64.3	70.0-130	J4
Acenaphthylene	0.666	0.464	69.7	70.0-130	J4
Acetophenone	0.666	0.474	71.2	70.0-130	
Anthracene	0.666	0.462	69.4	70.0-130	J4
Atrazine	0.666	0.498	74.8	70.0-130	
Benzaldehyde	0.666	0.425	63.8	20.0-160	
Benzo(a)anthracene	0.666	0.511	76.7	70.0-130	
Benzo(b)fluoranthene	0.666	0.489	73.4	70.0-130	
Benzo(k)fluoranthene	0.666	0.499	74.9	70.0-130	
Benzo(g,h,i)perylene	0.666	0.505	75.8	70.0-130	
Benzo(a)pyrene	0.666	0.493	74.0	70.0-130	
Biphenyl	0.666	0.426	64.0	70.0-130	J4
Bis(2-chlorethoxy)methane	0.666	0.351	52.7	70.0-130	J4
Bis(2-chloroethyl)ether	0.666	0.324	48.6	70.0-130	J4
2,2-Oxybis(1-Chloropropane)	0.666	0.413	62.0	70.0-130	J4
4-Bromophenyl-phenylether	0.666	0.481	72.2	70.0-130	
Caprolactam	0.666	0.800	120	20.0-160	
Carbazole	0.666	0.476	71.5	70.0-130	
4-Chloroaniline	0.666	0.320	48.0	70.0-130	J4
2-Chloronaphthalene	0.666	0.434	65.2	70.0-130	J4
4-Chlorophenyl-phenylether	0.666	0.465	69.8	70.0-130	J4
Chrysene	0.666	0.483	72.5	70.0-130	
Dibenz(a,h)anthracene	0.666	0.503	75.5	70.0-130	
Dibenzofuran	0.666	0.456	68.5	70.0-130	J4
3,3-Dichlorobenzidine	1.33	0.977	73.5	70.0-130	
2,4-Dinitrotoluene	0.666	0.523	78.5	70.0-130	
2,6-Dinitrotoluene	0.666	0.492	73.9	70.0-130	
Fluoranthene	0.666	0.468	70.3	70.0-130	
Fluorene	0.666	0.464	69.7	70.0-130	J4
Hexachlorobenzene	0.666	0.467	70.1	70.0-130	

Laboratory Control Sample (LCS)

(LCS) R3651100-1 05/06/21 00:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexachloro-1,3-butadiene	0.666	0.353	53.0	70.0-130	J4
Hexachlorocyclopentadiene	0.666	0.366	55.0	20.0-160	
Hexachloroethane	0.666	0.402	60.4	20.0-160	
Indeno(1,2,3-cd)pyrene	0.666	0.507	76.1	70.0-130	
Isophorone	0.666	0.364	54.7	70.0-130	J4
2-Methylnaphthalene	0.666	0.342	51.4	70.0-130	J4
Naphthalene	0.666	0.347	52.1	70.0-130	J4
2-Nitroaniline	0.666	0.540	81.1	70.0-130	
3-Nitroaniline	0.666	0.507	76.1	70.0-130	
4-Nitroaniline	0.666	0.632	94.9	70.0-130	
Nitrobenzene	0.666	0.350	52.6	70.0-130	J4
n-Nitrosodiphenylamine	0.666	0.468	70.3	20.0-160	
n-Nitrosodi-n-propylamine	0.666	0.426	64.0	70.0-130	J4
Phenanthrene	0.666	0.465	69.8	70.0-130	J4
Benzylbutyl phthalate	0.666	0.511	76.7	70.0-130	
Bis(2-ethylhexyl)phthalate	0.666	0.507	76.1	70.0-130	
Di-n-butyl phthalate	0.666	0.456	68.5	70.0-130	J4
Diethyl phthalate	0.666	0.493	74.0	70.0-130	
Dimethyl phthalate	0.666	0.479	71.9	70.0-130	
Di-n-octyl phthalate	0.666	0.493	74.0	70.0-130	
Pyrene	0.666	0.504	75.7	70.0-130	
4-Chloro-3-methylphenol	0.666	0.353	53.0	70.0-130	J4
2-Chlorophenol	0.666	0.434	65.2	70.0-130	J4
2-Methylphenol	0.666	0.446	67.0	70.0-130	J4
3&4-Methyl Phenol	0.666	0.479	71.9	20.0-160	
2,4-Dichlorophenol	0.666	0.361	54.2	70.0-130	J4
2,4-Dimethylphenol	0.666	0.346	52.0	70.0-130	J4
4,6-Dinitro-2-methylphenol	0.666	0.429	64.4	70.0-130	J4
2,4-Dinitrophenol	0.666	0.313	47.0	20.0-160	
2-Nitrophenol	0.666	0.381	57.2	70.0-130	J4
4-Nitrophenol	0.666	0.518	77.8	20.0-160	
Pentachlorophenol	0.666	0.411	61.7	20.0-160	
Phenol	0.666	0.418	62.8	20.0-160	
1,2,4,5-Tetrachlorobenzene	0.666	0.451	67.7	70.0-130	J4
2,4,5-Trichlorophenol	0.666	0.396	59.5	70.0-130	J4
2,4,6-Trichlorophenol	0.666	0.450	67.6	70.0-130	J4
(S) Nitrobenzene-d5			*54.4*	*30.0-130*	
(S) 2-Fluorobiphenyl			*77.2*	*30.0-130*	
(S) p-Terphenyl-d14			*77.5*	*30.0-130*	
(S) Phenol-d5			*74.8*	*30.0-130*	

Laboratory Control Sample (LCS)

(LCS) R3651100-1 05/06/21 00:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) 2-Fluorophenol			*80.9*	*30.0-130*	
(S) 2,4,6-Tribromophenol			*86.5*	*30.0-130*	

L1345268-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345268-02 05/06/21 06:29 • (MS) R3651100-3 05/06/21 06:50 • (MSD) R3651100-4 05/06/21 07:11

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetophenone	0.805	U	0.526	0.587	65.3	72.7	1	70.0-130	J6		11.0	30
Atrazine	0.805	U	0.639	0.688	79.4	85.2	1	70.0-130			7.32	30
Benzaldehyde	0.805	U	0.770	0.836	95.7	104	1	20.0-160			8.22	30
Biphenyl	0.805	U	0.507	0.540	63.0	66.8	1	70.0-130	J6	J6	6.19	30
Caprolactam	0.805	U	0.957	0.970	119	120	1	20.0-160			1.29	30
Carbazole	0.805	U	0.563	0.610	70.0	75.5	1	70.0-130			7.86	30
4-Chloroaniline	0.805	U	0.328	0.330	40.7	40.9	1	70.0-130	J6	J6	0.758	30
Dibenzofuran	0.805	U	0.557	0.590	69.2	73.0	1	70.0-130	J6		5.65	30
2-Methylnaphthalene	0.805	U	0.409	0.436	50.8	54.0	1	70.0-130	J6	J6	6.49	30
2-Nitroaniline	0.805	U	0.674	0.701	83.7	86.7	1	70.0-130			3.81	30
3-Nitroaniline	0.805	U	0.502	0.512	62.4	63.4	1	70.0-130	J6	J6	1.97	30
4-Nitroaniline	0.805	U	0.621	0.654	77.1	81.0	1	70.0-130			5.28	30
2-Methylphenol	0.805	U	0.585	0.612	72.6	75.8	1	70.0-130			4.58	30
3&4-Methyl Phenol	0.805	0.0289	0.602	0.664	71.2	78.7	1	20.0-160			9.84	30
1,2,4,5-Tetrachlorobenzene	0.805	U	0.538	0.575	66.9	71.1	1	70.0-130	J6		6.49	30
2,4,5-Trichlorophenol	0.805	U	0.545	0.577	67.6	71.5	1	70.0-130	J6		5.78	30
Acenaphthene	0.805	U	0.519	0.553	64.4	68.5	1	70.0-130	J6	J6	6.51	30
Acenaphthylene	0.805	U	0.562	0.598	69.8	74.1	1	70.0-130	J6		6.23	30
Anthracene	0.805	U	0.553	0.591	68.7	73.1	1	70.0-130	J6		6.54	30
Benzo(a)anthracene	0.805	0.0363	0.624	0.647	73.0	75.6	1	70.0-130			3.53	30
Benzo(b)fluoranthene	0.805	0.0486	0.601	0.624	68.6	71.3	1	70.0-130	J6		3.87	30
Benzo(k)fluoranthene	0.805	0.0156	0.575	0.600	69.4	72.3	1	70.0-130	J6		4.25	30
Benzo(g,h,i)perylene	0.805	0.0373	0.538	0.541	62.2	62.4	1	70.0-130	J6	J6	0.462	30
Benzo(a)pyrene	0.805	0.0378	0.590	0.617	68.5	71.7	1	70.0-130	J6		4.55	30
Bis(2-chlorethoxy)methane	0.805	U	0.404	0.430	50.2	53.2	1	70.0-130	J6	J6	6.28	30
Bis(2-chloroethyl)ether	0.805	U	0.406	0.489	50.5	60.5	1	70.0-130	J6	J6	18.4	30
2,2-Oxybis(1-Chloropropane)	0.805	U	0.454	0.510	56.3	63.1	1	70.0-130	J6	J6	11.6	30
4-Bromophenyl-phenylether	0.805	U	0.602	0.627	74.8	77.6	1	70.0-130			4.06	30
2-Chloronaphthalene	0.805	U	0.519	0.555	64.4	68.7	1	70.0-130	J6	J6	6.74	30
4-Chlorophenyl-phenylether	0.805	U	0.576	0.598	71.5	74.1	1	70.0-130			3.82	30
Chrysene	0.805	0.0368	0.583	0.600	67.9	69.7	1	70.0-130	J6	J6	2.74	30

L1345268-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345268-02 05/06/21 06:29 • (MS) R3651100-3 05/06/21 06:50 • (MSD) R3651100-4 05/06/21 07:11

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Dibenz(a,h)anthracene	0.805	U	0.556	0.577	69.0	71.5	1	70.0-130	J6		3.74	30
3,3-Dichlorobenzidine	1.61	U	0.955	1.00	59.4	61.8	1	70.0-130	J6	J6	4.72	30
2,4-Dinitrotoluene	0.805	U	0.636	0.683	78.9	84.6	1	70.0-130			7.18	30
2,6-Dinitrotoluene	0.805	U	0.605	0.651	75.1	80.6	1	70.0-130			7.35	30
Fluoranthene	0.805	0.0875	0.593	0.628	62.8	66.9	1	70.0-130	J6	J6	5.71	30
Fluorene	0.805	U	0.561	0.600	69.7	74.2	1	70.0-130	J6		6.66	30
Hexachlorobenzene	0.805	U	0.563	0.592	70.0	73.3	1	70.0-130			4.96	30
Hexachloro-1,3-butadiene	0.805	U	0.398	0.435	49.4	53.9	1	70.0-130	J6	J6	8.98	30
Hexachlorocyclopentadiene	0.805	U	0.175	0.183	21.7	22.7	1	20.0-160			4.88	30
Hexachloroethane	0.805	U	0.424	0.477	52.6	59.1	1	20.0-160			11.9	30
Indeno(1,2,3-cd)pyrene	0.805	0.0308	0.576	0.581	67.7	68.1	1	70.0-130	J6	J6	0.862	30
Isophorone	0.805	U	0.423	0.451	52.5	55.9	1	70.0-130	J6	J6	6.56	30
Naphthalene	0.805	U	0.393	0.428	48.8	52.9	1	70.0-130	J6	J6	8.51	30
Nitrobenzene	0.805	U	0.390	0.423	48.5	52.3	1	70.0-130	J6	J6	7.98	30
n-Nitrosodiphenylamine	0.805	U	0.547	0.586	68.0	72.5	1	20.0-160			6.82	30
n-Nitrosodi-n-propylamine	0.805	U	0.475	0.526	59.0	65.1	1	70.0-130	J6	J6	10.2	30
Phenanthrene	0.805	0.0213	0.560	0.590	66.9	70.4	1	70.0-130	J6		5.21	30
Benzylbutyl phthalate	0.805	U	0.663	0.688	82.4	85.2	1	70.0-130			3.69	30
Bis(2-ethylhexyl)phthalate	0.805	U	0.646	0.678	80.2	84.0	1	70.0-130			4.90	30
Di-n-butyl phthalate	0.805	U	0.563	0.601	70.0	74.4	1	70.0-130			6.42	30
Diethyl phthalate	0.805	U	0.605	0.633	75.1	78.4	1	70.0-130			4.63	30
Dimethyl phthalate	0.805	U	0.570	0.600	70.7	74.2	1	70.0-130			5.12	30
Di-n-octyl phthalate	0.805	U	0.683	0.699	84.8	86.6	1	70.0-130			2.34	30
Pyrene	0.805	0.0749	0.588	0.606	63.8	65.7	1	70.0-130	J6	J6	2.92	30
4-Chloro-3-methylphenol	0.805	U	0.454	0.471	56.3	58.3	1	70.0-130	J6	J6	3.77	30
2-Chlorophenol	0.805	U	0.501	0.553	62.2	68.5	1	70.0-130	J6	J6	9.93	30
2,4-Dichlorophenol	0.805	U	0.455	0.476	56.5	59.0	1	70.0-130	J6	J6	4.55	30
2,4-Dimethylphenol	0.805	U	0.429	0.440	53.3	54.5	1	70.0-130	J6	J6	2.58	30
4,6-Dinitro-2-methylphenol	0.805	U	0.499	0.462	61.9	57.3	1	70.0-130	J6	J6	7.52	30
2,4-Dinitrophenol	0.805	U	0.467	0.428	58.0	52.9	1	20.0-160			8.91	30
2-Nitrophenol	0.805	U	0.457	0.490	56.8	60.6	1	70.0-130	J6	J6	6.84	30
4-Nitrophenol	0.805	U	0.678	0.711	84.2	88.0	1	20.0-160			4.67	30
Pentachlorophenol	0.805	U	0.572	0.596	71.1	73.8	1	20.0-160			4.06	30
Phenol	0.805	U	0.487	0.535	60.5	66.2	1	20.0-160			9.27	30
2,4,6-Trichlorophenol	0.805	U	0.570	0.601	70.7	74.4	1	70.0-130			5.32	30
(S) Nitrobenzene-d5					*49.5*	*53.1*		*30.0-130*				
(S) 2-Fluorobiphenyl					*73.7*	*76.5*		*30.0-130*				
(S) p-Terphenyl-d14					*74.6*	*73.5*		*30.0-130*				
(S) Phenol-d5					*72.0*	*75.3*		*30.0-130*				

L1345268-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345268-02 05/06/21 06:29 • (MS) R3651100-3 05/06/21 06:50 • (MSD) R3651100-4 05/06/21 07:11

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) 2-Fluorophenol					*74.9*	*81.3*		*30.0-130*				
(S) 2,4,6-Tribromophenol					*88.1*	*89.7*		*30.0-130*				

Method Blank (MB)

(MB) R3650489-1 05/04/21 20:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00593	0.0333
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Naphthalene	U		0.00836	0.0333
Phenanthrene	U		0.00661	0.0333
Pyrene	U		0.00648	0.0333
(S) Nitrobenzene-d5	*74.9*			*31.0-146*
(S) 2-Fluorobiphenyl	*80.7*			*31.0-130*
(S) p-Terphenyl-d14	*110*			*20.0-127*

Laboratory Control Sample (LCS)

(LCS) R3650489-4 05/04/21 21:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.400	0.349	87.3	70.0-130	
Acenaphthylene	0.400	0.357	89.3	70.0-130	
Anthracene	0.400	0.352	88.0	70.0-130	
Benzo(a)anthracene	0.400	0.350	87.5	70.0-130	
Benzo(b)fluoranthene	0.400	0.353	88.2	70.0-130	
Benzo(k)fluoranthene	0.400	0.364	91.0	70.0-130	
Benzo(g,h,i)perylene	0.400	0.356	89.0	70.0-130	
Benzo(a)pyrene	0.400	0.330	82.5	70.0-130	
Chrysene	0.400	0.358	89.5	70.0-130	
Dibenz(a,h)anthracene	0.400	0.363	90.8	70.0-130	
Fluoranthene	0.400	0.353	88.2	70.0-130	
Fluorene	0.400	0.360	90.0	70.0-130	
Indeno(1,2,3-cd)pyrene	0.400	0.333	83.3	70.0-130	
Naphthalene	0.400	0.360	90.0	70.0-130	

Laboratory Control Sample (LCS)

(LCS) R3650489-4 05/04/21 21:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Phenanthrene	0.400	0.368	92.0	70.0-130	
Pyrene	0.400	0.381	95.3	70.0-130	
(S) Nitrobenzene-d5			*85.9*	*31.0-146*	
(S) 2-Fluorobiphenyl			*88.2*	*31.0-130*	
(S) p-Terphenyl-d14			*112*	*20.0-127*	

L1346268-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1346268-19 05/04/21 22:20 • (MS) R3650489-5 05/04/21 22:41 • (MSD) R3650489-6 05/04/21 23:01

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.441	U	0.316	0.281	71.8	63.8	1	70.0-130		J6	11.8	30
Acenaphthylene	0.441	U	0.327	0.281	74.2	63.8	1	70.0-130		J6	15.2	30
Anthracene	0.441	U	0.308	0.259	70.0	58.7	1	70.0-130		J6	17.5	30
Benzo(a)anthracene	0.441	U	0.310	0.251	70.3	57.0	1	70.0-130		J6	20.8	30
Benzo(b)fluoranthene	0.441	U	0.303	0.290	68.8	65.8	1	70.0-130	J6	J6	4.46	30
Benzo(k)fluoranthene	0.441	U	0.283	0.274	64.3	62.3	1	70.0-130	J6	J6	3.16	30
Benzo(g,h,i)perylene	0.441	U	0.285	0.259	64.8	58.7	1	70.0-130	J6	J6	9.72	30
Benzo(a)pyrene	0.441	U	0.272	0.239	61.7	54.2	1	70.0-130	J6	J6	12.9	30
Chrysene	0.441	U	0.337	0.282	76.5	64.0	1	70.0-130		J6	17.8	30
Dibenz(a,h)anthracene	0.441	U	0.295	0.267	67.0	60.5	1	70.0-130	J6	J6	10.2	30
Fluoranthene	0.441	0.0127	0.318	0.264	69.4	57.1	1	70.0-130	J6	J6	18.5	30
Fluorene	0.441	U	0.321	0.292	72.8	66.3	1	70.0-130		J6	9.35	30
Naphthalene	0.441	U	0.312	0.303	70.8	68.8	1	70.0-130		J6	2.87	30
Phenanthrene	0.441	0.00995	0.343	0.272	75.5	59.5	1	70.0-130		J6	22.9	30
Pyrene	0.441	0.0155	0.358	0.296	77.7	63.7	1	70.0-130		J6	18.9	30
Indeno(1,2,3-cd)pyrene	0.441	U	0.282	0.251	64.0	57.0	1	70.0-130	J6	J6	11.6	30
(S) Nitrobenzene-d5					*66.7*	*69.9*		*31.0-146*				
(S) 2-Fluorobiphenyl					*75.3*	*70.3*		*31.0-130*				
(S) p-Terphenyl-d14					*94.0*	*85.9*		*20.0-127*				

Method Blank (MB)

(MB) R3651114-1 05/05/21 22:53

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00593	0.0333
Acenaphthene	U		0.00539	0.0333
Acenaphthylene	U		0.00469	0.0333
Benzo(a)anthracene	U		0.00587	0.0333
Benzo(a)pyrene	U		0.00619	0.0333
Benzo(b)fluoranthene	U		0.00621	0.0333
Benzo(g,h,i)perylene	U		0.00609	0.0333
Benzo(k)fluoranthene	U		0.00592	0.0333
Chrysene	U		0.00662	0.0333
Dibenz(a,h)anthracene	U		0.00923	0.0333
Fluoranthene	U		0.00601	0.0333
Fluorene	U		0.00542	0.0333
Indeno(1,2,3-cd)pyrene	U		0.00941	0.0333
Naphthalene	U		0.00836	0.0333
Phenanthrene	U		0.00661	0.0333
Pyrene	U		0.00648	0.0333
(S) Nitrobenzene-d5	*93.6*			*31.0-146*
(S) 2-Fluorobiphenyl	*88.8*			*31.0-130*
(S) p-Terphenyl-d14	*103*			*20.0-127*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651114-3 05/05/21 23:34 • (LCSD) R3651114-4 05/05/21 23:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.400	0.404	0.407	101	102	70.0-130			0.740	30
Acenaphthylene	0.400	0.431	0.437	108	109	70.0-130			1.38	30
Anthracene	0.400	0.429	0.433	107	108	70.0-130			0.928	30
Benzo(a)anthracene	0.400	0.422	0.435	105	109	70.0-130			3.03	30
Benzo(b)fluoranthene	0.400	0.386	0.386	96.5	96.5	70.0-130			0.000	30
Benzo(k)fluoranthene	0.400	0.380	0.377	95.0	94.3	70.0-130			0.793	30
Benzo(g,h,i)perylene	0.400	0.374	0.369	93.5	92.2	70.0-130			1.35	30
Benzo(a)pyrene	0.400	0.384	0.378	96.0	94.5	70.0-130			1.57	30
Chrysene	0.400	0.403	0.417	101	104	70.0-130			3.41	30
Dibenz(a,h)anthracene	0.400	0.396	0.386	99.0	96.5	70.0-130			2.56	30
Fluoranthene	0.400	0.410	0.415	103	104	70.0-130			1.21	30
Fluorene	0.400	0.417	0.407	104	102	70.0-130			2.43	30
Indeno(1,2,3-cd)pyrene	0.400	0.401	0.385	100	96.3	70.0-130			4.07	30
Naphthalene	0.400	0.404	0.410	101	103	70.0-130			1.47	30

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3651114-3 05/05/21 23:34 • (LCSD) R3651114-4 05/05/21 23:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Phenanthrene	0.400	0.419	0.421	105	105	70.0-130			0.476	30
Pyrene	0.400	0.406	0.433	102	108	70.0-130			6.44	30
(S) Nitrobenzene-d5				*89.0*	*92.8*	*31.0-146*				
(S) 2-Fluorobiphenyl				*89.9*	*92.1*	*31.0-130*				
(S) p-Terphenyl-d14				*101*	*106*	*20.0-127*				

Method Blank (MB)

(MB) R3651257-2 05/05/21 12:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acenaphthene	U		0.0886	1.00
Acenaphthylene	U		0.0920	1.00
Acetophenone	U		0.208	10.0
Anthracene	U		0.0804	1.00
Atrazine	U		0.255	10.0
Benzaldehyde	U		1.69	10.0
Benzo(a)anthracene	U		0.199	1.00
Benzo(b)fluoranthene	U		0.130	1.00
Benzo(k)fluoranthene	U		0.120	1.00
Benzo(g,h,i)perylene	U		0.121	1.00
Benzo(a)pyrene	U		0.0381	1.00
Biphenyl	U		0.790	10.0
Bis(2-chlorethoxy)methane	U		0.116	10.0
Bis(2-chloroethyl)ether	U		0.137	10.0
2,2-Oxybis(1-Chloropropane)	U		0.210	10.0
4-Bromophenyl-phenylether	U		0.0877	10.0
Caprolactam	U		0.309	10.0
Carbazole	U		0.111	10.0
4-Chloroaniline	U		0.234	10.0
2-Chloronaphthalene	U		0.0648	1.00
4-Chlorophenyl-phenylether	U		0.0926	10.0
Chrysene	U		0.130	1.00
Dibenz(a,h)anthracene	U		0.0644	1.00
Dibenzofuran	U		0.0970	10.0
3,3-Dichlorobenzidine	U		0.212	10.0
2,4-Dinitrotoluene	U		0.0983	10.0
2,6-Dinitrotoluene	U		0.250	10.0
Fluoranthene	U		0.102	1.00
Fluorene	U		0.0844	1.00
Hexachlorobenzene	U		0.0750	1.00
Hexachloro-1,3-butadiene	U		0.0968	10.0
Hexachlorocyclopentadiene	U		0.0598	10.0
Hexachloroethane	U		0.127	10.0
Indeno(1,2,3-cd)pyrene	U		0.279	1.00
Isophorone	U		0.143	10.0
2-Methylnaphthalene	U		0.117	1.00
Naphthalene	U		0.159	1.00
2-Nitroaniline	U		0.102	10.0
3-Nitroaniline	U		0.0869	10.0
4-Nitroaniline	U		0.0910	10.0

Method Blank (MB)

(MB) R3651257-2 05/05/21 12:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Nitrobenzene	U		0.297	10.0
n-Nitrosodiphenylamine	U		2.37	10.0
n-Nitrosodi-n-propylamine	U		0.261	10.0
Phenanthrene	U		0.112	1.00
Benzylbutyl phthalate	U		0.765	3.00
Bis(2-ethylhexyl)phthalate	U		0.895	3.00
Di-n-butyl phthalate	U		0.453	3.00
Diethyl phthalate	U		0.287	3.00
Dimethyl phthalate	U		0.260	3.00
Di-n-octyl phthalate	U		0.932	3.00
Pyrene	U		0.107	1.00
4-Chloro-3-methylphenol	U		0.131	10.0
2-Chlorophenol	U		0.133	10.0
2-Methylphenol	U		0.0929	10.0
3&4-Methyl Phenol	U		0.168	10.0
2,4-Dichlorophenol	U		0.102	10.0
2,4-Dimethylphenol	U		0.0636	10.0
4,6-Dinitro-2-methylphenol	U		1.12	10.0
2,4-Dinitrophenol	U		5.93	10.0
2-Nitrophenol	U		0.117	10.0
4-Nitrophenol	U		0.143	10.0
Pentachlorophenol	U		0.313	10.0
Phenol	U		4.33	10.0
1,2,4,5-Tetrachlorobenzene	U		0.0647	10.0
2,4,5-Trichlorophenol	U		0.109	10.0
2,4,6-Trichlorophenol	U		0.100	10.0
(S) Nitrobenzene-d5	*77.3*			*30.0-130*
(S) 2-Fluorobiphenyl	*74.8*			*30.0-130*
(S) p-Terphenyl-d14	*80.0*			*30.0-130*
(S) Phenol-d5	*32.8*			*15.0-110*
(S) 2-Fluorophenol	*51.5*			*15.0-110*
(S) 2,4,6-Tribromophenol	*62.0*			*15.0-110*

Method Blank (MB) - TENTATIVELY IDENTIFIED COMPOUNDS

(MB) R3651257-2 05/05/21 12:10

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l	CAS #

Number of TICs found: 0

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Laboratory Control Sample (LCS)

(LCS) R3651257-1 05/05/21 11:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	50.0	34.4	68.8	70.0-130	J4
Acenaphthylene	50.0	36.6	73.2	70.0-130	
Acetophenone	50.0	40.5	81.0	70.0-130	
Anthracene	50.0	36.6	73.2	70.0-130	
Atrazine	50.0	40.8	81.6	70.0-130	
Benzaldehyde	50.0	68.9	138	20.0-160	
Benzo(a)anthracene	50.0	41.5	83.0	70.0-130	
Benzo(b)fluoranthene	50.0	39.6	79.2	70.0-130	
Benzo(k)fluoranthene	50.0	40.5	81.0	70.0-130	
Benzo(g,h,i)perylene	50.0	39.6	79.2	70.0-130	
Benzo(a)pyrene	50.0	40.1	80.2	70.0-130	
Biphenyl	50.0	34.6	69.2	70.0-130	J4
Bis(2-chlorethoxy)methane	50.0	31.8	63.6	70.0-130	J4
Bis(2-chloroethyl)ether	50.0	35.0	70.0	70.0-130	
2,2-Oxybis(1-Chloropropane)	50.0	34.5	69.0	70.0-130	J4
4-Bromophenyl-phenylether	50.0	35.3	70.6	70.0-130	
Caprolactam	50.0	13.9	27.8	20.0-160	
Carbazole	50.0	39.4	78.8	70.0-130	
4-Chloroaniline	50.0	27.1	54.2	70.0-130	J4
2-Chloronaphthalene	50.0	34.1	68.2	70.0-130	J4
4-Chlorophenyl-phenylether	50.0	37.9	75.8	70.0-130	
Chrysene	50.0	39.4	78.8	70.0-130	
Dibenz(a,h)anthracene	50.0	40.4	80.8	70.0-130	
Dibenzofuran	50.0	37.7	75.4	70.0-130	
3,3-Dichlorobenzidine	100	73.4	73.4	70.0-130	
2,4-Dinitrotoluene	50.0	42.6	85.2	70.0-130	
2,6-Dinitrotoluene	50.0	39.6	79.2	70.0-130	
Fluoranthene	50.0	40.3	80.6	70.0-130	
Fluorene	50.0	38.0	76.0	70.0-130	
Hexachlorobenzene	50.0	34.0	68.0	70.0-130	J4

Laboratory Control Sample (LCS)

(LCS) R3651257-1 05/05/21 11:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Hexachloro-1,3-butadiene	50.0	31.8	63.6	70.0-130	J4
Hexachlorocyclopentadiene	50.0	22.4	44.8	20.0-160	
Hexachloroethane	50.0	34.6	69.2	20.0-160	
Indeno(1,2,3-cd)pyrene	50.0	38.8	77.6	70.0-130	
Isophorone	50.0	32.6	65.2	70.0-130	J4
2-Methylnaphthalene	50.0	32.5	65.0	70.0-130	J4
Naphthalene	50.0	31.2	62.4	70.0-130	J4
2-Nitroaniline	50.0	42.9	85.8	70.0-130	
3-Nitroaniline	50.0	39.2	78.4	70.0-130	
4-Nitroaniline	50.0	43.6	87.2	70.0-130	
Nitrobenzene	50.0	31.5	63.0	70.0-130	J4
n-Nitrosodiphenylamine	50.0	35.3	70.6	20.0-160	
n-Nitrosodi-n-propylamine	50.0	37.8	75.6	70.0-130	
Phenanthrene	50.0	36.7	73.4	70.0-130	
Benzylbutyl phthalate	50.0	40.5	81.0	70.0-130	
Bis(2-ethylhexyl)phthalate	50.0	40.2	80.4	70.0-130	
Di-n-butyl phthalate	50.0	40.7	81.4	70.0-130	
Diethyl phthalate	50.0	38.8	77.6	70.0-130	
Dimethyl phthalate	50.0	37.3	74.6	70.0-130	
Di-n-octyl phthalate	50.0	38.6	77.2	70.0-130	
Pyrene	50.0	39.5	79.0	70.0-130	
4-Chloro-3-methylphenol	50.0	33.1	66.2	70.0-130	J4
2-Chlorophenol	50.0	34.8	69.6	70.0-130	J4
2-Methylphenol	50.0	31.0	62.0	70.0-130	J4
3&4-Methyl Phenol	50.0	33.3	66.6	20.0-160	
2,4-Dichlorophenol	50.0	33.7	67.4	70.0-130	J4
2,4-Dimethylphenol	50.0	31.0	62.0	70.0-130	J4
4,6-Dinitro-2-methylphenol	50.0	43.5	87.0	70.0-130	
2,4-Dinitrophenol	50.0	40.0	80.0	20.0-160	
2-Nitrophenol	50.0	34.5	69.0	70.0-130	J4
4-Nitrophenol	50.0	18.9	37.8	20.0-160	
Pentachlorophenol	50.0	35.1	70.2	20.0-160	
Phenol	50.0	16.5	33.0	20.0-160	
1,2,4,5-Tetrachlorobenzene	50.0	38.5	77.0	70.0-130	
2,4,5-Trichlorophenol	50.0	38.5	77.0	70.0-130	
2,4,6-Trichlorophenol	50.0	36.9	73.8	70.0-130	
(S) Nitrobenzene-d5			*71.5*	*30.0-130*	
(S) 2-Fluorobiphenyl			*81.7*	*30.0-130*	
(S) p-Terphenyl-d14			*80.0*	*30.0-130*	
(S) Phenol-d5			*37.2*	*15.0-110*	

Laboratory Control Sample (LCS)

(LCS) R3651257-1 05/05/21 11:47

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) 2-Fluorophenol			*54.5*	*15.0-110*	
(S) 2,4,6-Tribromophenol			*73.0*	*15.0-110*	

L1344435-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1344435-19 05/05/21 12:33 • (MS) R3651257-3 05/05/21 12:57 • (MSD) R3651257-4 05/05/21 13:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	45.9	6.69	39.1	38.2	70.6	65.5	1	70.0-130		J6	2.33	22.6
Acenaphthylene	45.9	U	33.4	33.5	72.8	69.6	1	70.0-130		J6	0.299	23.9
Acetophenone	45.9	U	36.3	36.6	79.1	76.1	1	70.0-130			0.823	34.9
Anthracene	45.9	0.106	33.7	33.3	73.2	69.0	1	70.0-130		J6	1.19	20
Atrazine	45.9	U	38.9	38.7	84.7	80.5	1	70.0-130			0.515	20
Benzaldehyde	45.9	U	62.3	62.8	136	131	1	20.0-160			0.799	37.7
Benzo(a)anthracene	45.9	U	39.2	39.4	85.4	81.9	1	70.0-130			0.509	20
Benzo(b)fluoranthene	45.9	U	36.7	37.6	80.0	78.2	1	70.0-130			2.42	20
Benzo(k)fluoranthene	45.9	U	37.2	37.7	81.0	78.4	1	70.0-130			1.34	20
Benzo(g,h,i)perylene	45.9	U	38.1	38.5	83.0	80.0	1	70.0-130			1.04	21
Benzo(a)pyrene	45.9	U	36.9	37.2	80.4	77.3	1	70.0-130			0.810	20
Bis(2-chlorethoxy)methane	45.9	U	28.6	29.1	62.3	60.5	1	70.0-130	J6	J6	1.73	25.8
Biphenyl	45.9	U	32.2	32.3	70.2	67.2	1	70.0-130		J6	0.310	20
Bis(2-chloroethyl)ether	45.9	U	31.5	31.4	68.6	65.3	1	70.0-130	J6	J6	0.318	40
2,2-Oxybis(1-Chloropropane)	45.9	U	31.3	31.8	68.2	66.1	1	70.0-130	J6	J6	1.58	37.2
4-Bromophenyl-phenylether	45.9	U	32.7	32.5	71.2	67.6	1	70.0-130		J6	0.613	23.2
Caprolactam	45.9	U	11.8	13.1	25.7	27.2	1	20.0-160			10.4	37.3
2-Chloronaphthalene	45.9	U	31.5	31.7	68.6	65.9	1	70.0-130	J6	J6	0.633	24.2
Carbazole	45.9	U	36.7	36.6	80.0	76.1	1	70.0-130			0.273	20
4-Chloroaniline	45.9	U	29.5	24.7	64.3	51.4	1	70.0-130	J6	J6	17.7	21.9
4-Chlorophenyl-phenylether	45.9	U	35.2	35.3	76.7	73.4	1	70.0-130			0.284	20
Chrysene	45.9	U	37.7	37.8	82.1	78.6	1	70.0-130			0.265	20
Dibenz(a,h)anthracene	45.9	U	38.8	39.0	84.5	81.1	1	70.0-130			0.514	22.3
Dibenzofuran	45.9	U	34.2	34.0	74.5	70.7	1	70.0-130			0.587	20
3,3-Dichlorobenzidine	91.8	U	69.9	69.6	76.1	72.3	1	70.0-130			0.430	26.9
2,4-Dinitrotoluene	45.9	U	39.9	39.3	86.9	81.7	1	70.0-130			1.52	20.6
2,6-Dinitrotoluene	45.9	U	36.1	36.8	78.6	76.5	1	70.0-130			1.92	22.2
Fluoranthene	45.9	U	37.7	37.6	82.1	78.2	1	70.0-130			0.266	20
Fluorene	45.9	U	35.0	35.4	76.3	73.6	1	70.0-130			1.14	20
Hexachlorobenzene	45.9	U	30.9	30.3	67.3	63.0	1	70.0-130	J6	J6	1.96	20
Hexachloro-1,3-butadiene	45.9	U	29.1	29.8	63.4	62.0	1	70.0-130	J6	J6	2.38	37.6

L1344435-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1344435-19 05/05/21 12:33 • (MS) R3651257-3 05/05/21 12:57 • (MSD) R3651257-4 05/05/21 13:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Hexachlorocyclopentadiene	45.9	U	21.6	21.5	47.1	44.7	1	20.0-160			0.464	27.8
Hexachloroethane	45.9	U	33.3	33.2	72.5	69.0	1	20.0-160			0.301	40
Indeno(1,2,3-cd)pyrene	45.9	U	37.1	37.3	80.8	77.5	1	70.0-130			0.538	20
Isophorone	45.9	U	30.1	30.0	65.6	62.4	1	70.0-130	J6	J6	0.333	22.9
Naphthalene	45.9	U	29.1	29.1	63.4	60.5	1	70.0-130	J6	J6	0.000	27.5
2-Methylnaphthalene	45.9	U	30.1	30.2	65.6	62.8	1	70.0-130	J6	J6	0.332	23.7
2-Nitroaniline	45.9	U	39.4	39.1	85.8	81.3	1	70.0-130			0.764	21.8
3-Nitroaniline	45.9	U	36.5	36.8	79.5	76.5	1	70.0-130			0.819	23
Nitrobenzene	45.9	U	28.5	28.5	62.1	59.3	1	70.0-130	J6	J6	0.000	29
4-Nitroaniline	45.9	U	40.1	41.1	87.4	85.4	1	70.0-130			2.46	22.4
n-Nitrosodiphenylamine	45.9	U	32.5	32.1	70.8	66.7	1	20.0-160			1.24	20
n-Nitrosodi-n-propylamine	45.9	U	33.6	34.7	73.2	72.1	1	70.0-130			3.22	29.7
Phenanthrene	45.9	U	33.6	33.0	73.2	68.6	1	70.0-130		J6	1.80	20
Benzylbutyl phthalate	45.9	U	38.5	38.5	83.9	80.0	1	70.0-130			0.000	21.2
Bis(2-ethylhexyl)phthalate	45.9	U	38.3	38.3	83.4	79.6	1	70.0-130			0.000	27.6
Di-n-butyl phthalate	45.9	U	38.3	37.4	83.4	77.8	1	70.0-130			2.38	20
Diethyl phthalate	45.9	U	35.7	35.4	77.8	73.6	1	70.0-130			0.844	20
Dimethyl phthalate	45.9	U	34.6	34.6	75.4	71.9	1	70.0-130			0.000	20
Di-n-octyl phthalate	45.9	U	37.0	36.7	80.6	76.3	1	70.0-130			0.814	22.9
Pyrene	45.9	0.160	36.6	37.5	79.4	77.6	1	70.0-130			2.43	20
4-Chloro-3-methylphenol	45.9	U	30.5	31.4	66.4	65.3	1	70.0-130	J6	J6	2.91	20
2-Chlorophenol	45.9	U	31.1	31.7	67.8	65.9	1	70.0-130	J6	J6	1.91	32.4
2,4-Dichlorophenol	45.9	U	30.9	31.0	67.3	64.4	1	70.0-130	J6	J6	0.323	27.3
2,4-Dimethylphenol	45.9	U	29.0	29.1	63.2	60.5	1	70.0-130	J6	J6	0.344	35.4
3&4-Methyl Phenol	45.9	U	29.3	31.2	63.8	64.9	1	20.0-160			6.28	27.7
4,6-Dinitro-2-methylphenol	45.9	U	40.5	41.0	88.2	85.2	1	70.0-130			1.23	37.4
2,4-Dinitrophenol	45.9	U	36.4	37.7	79.3	78.4	1	20.0-160			3.51	40
2-Nitrophenol	45.9	U	31.0	31.5	67.5	65.5	1	70.0-130	J6	J6	1.60	34
4-Nitrophenol	45.9	U	16.5	19.1	35.9	39.7	1	20.0-160			14.6	40
Pentachlorophenol	45.9	U	34.4	33.5	74.9	69.6	1	20.0-160			2.65	40
Phenol	45.9	U	13.5	15.6	29.4	32.4	1	20.0-160			14.4	40
1,2,4,5-Tetrachlorobenzene	45.9	U	35.9	35.9	78.2	74.6	1	70.0-130			0.000	29.8
2,4,6-Trichlorophenol	45.9	U	33.7	33.4	73.4	69.4	1	70.0-130		J6	0.894	29.9
2,4,5-Trichlorophenol	45.9	U	34.3	35.1	74.7	73.0	1	70.0-130			2.31	33.8
2-Methylphenol	45.9	U	27.9	28.8	60.8	59.9	1	70.0-130	J6	J6	3.17	40
(S) Nitrobenzene-d5					*69.0*	*64.1*		*30.0-130*				
(S) 2-Fluorobiphenyl					*82.4*	*76.4*		*30.0-130*				
(S) p-Terphenyl-d14					*79.7*	*75.4*		*30.0-130*				
(S) Phenol-d5					*32.1*	*35.2*		*15.0-110*				
(S) 2-Fluorophenol					*51.6*	*52.1*		*15.0-110*				

L1344435-19 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1344435-19 05/05/21 12:33 • (MS) R3651257-3 05/05/21 12:57 • (MSD) R3651257-4 05/05/21 13:20

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
(S) 2,4,6-Tribromophenol					*76.1*	*71.9*		*15.0-110*				

L1345243-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345243-03 05/06/21 17:14 • (MS) R3651546-2 05/06/21 17:36 • (MSD) R3651546-3 05/06/21 17:57

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetophenone	45.9	U	39.6	38.8	86.3	83.8	1	70.0-130			2.04	34.9
Atrazine	45.9	U	42.3	41.4	92.2	89.4	1	70.0-130			2.15	20
Benzaldehyde	45.9	U	67.2	67.5	146	146	1	20.0-160			0.445	37.7
Bis(2-chlorethoxy)methane	45.9	U	29.9	29.3	65.1	63.3	1	70.0-130	J6	J6	2.03	25.8
Biphenyl	45.9	U	35.6	34.4	77.6	74.3	1	70.0-130			3.43	20
Bis(2-chloroethyl)ether	45.9	U	32.7	32.9	71.2	71.1	1	70.0-130			0.610	40
2,2-Oxybis(1-Chloropropane)	45.9	U	30.0	30.4	65.4	65.7	1	70.0-130	J6	J6	1.32	37.2
4-Bromophenyl-phenylether	45.9	U	36.4	36.0	79.3	77.8	1	70.0-130			1.10	23.2
Caprolactam	45.9	5.02	19.8	22.3	32.2	37.3	1	20.0-160			11.9	37.3
Carbazole	45.9	U	39.8	40.0	86.7	86.4	1	70.0-130			0.501	20
4-Chloroaniline	45.9	U	23.6	27.9	51.4	60.3	1	70.0-130	J6	J6	16.7	21.9
4-Chlorophenyl-phenylether	45.9	U	36.2	35.7	78.9	77.1	1	70.0-130			1.39	20
Dibenzofuran	45.9	U	37.3	36.7	81.3	79.3	1	70.0-130			1.62	20
3,3-Dichlorobenzidine	91.8	U	74.3	79.5	80.9	85.9	1	70.0-130			6.76	26.9
2,4-Dinitrotoluene	45.9	U	38.9	38.1	84.7	82.3	1	70.0-130			2.08	20.6
2,6-Dinitrotoluene	45.9	U	36.3	35.5	79.1	76.7	1	70.0-130			2.23	22.2
Hexachloro-1,3-butadiene	45.9	U	30.3	29.8	66.0	64.4	1	70.0-130	J6	J6	1.66	37.6
Hexachlorocyclopentadiene	45.9	U	23.3	22.7	50.8	49.0	1	20.0-160			2.61	27.8
Hexachloroethane	45.9	U	30.5	31.2	66.4	67.4	1	20.0-160			2.27	40
Isophorone	45.9	U	30.2	29.7	65.8	64.1	1	70.0-130	J6	J6	1.67	22.9
2-Nitroaniline	45.9	U	40.7	40.0	88.7	86.4	1	70.0-130			1.73	21.8
3-Nitroaniline	45.9	U	37.0	37.4	80.6	80.8	1	70.0-130			1.08	23
Nitrobenzene	45.9	U	29.9	30.1	65.1	65.0	1	70.0-130	J6	J6	0.667	29
4-Nitroaniline	45.9	U	41.6	40.5	90.6	87.5	1	70.0-130			2.68	22.4
n-Nitrosodiphenylamine	45.9	U	33.4	34.2	72.8	73.9	1	20.0-160			2.37	20
n-Nitrosodi-n-propylamine	45.9	U	33.1	33.2	72.1	71.7	1	70.0-130			0.302	29.7
Benzylbutyl phthalate	45.9	U	36.8	37.1	80.2	80.1	1	70.0-130			0.812	21.2
Bis(2-ethylhexyl)phthalate	45.9	U	34.9	35.3	76.0	76.2	1	70.0-130			1.14	27.6
Di-n-butyl phthalate	45.9	U	38.2	37.5	83.2	81.0	1	70.0-130			1.85	20
Diethyl phthalate	45.9	U	36.0	35.6	78.4	76.9	1	70.0-130			1.12	20
Dimethyl phthalate	45.9	U	36.1	35.8	78.6	77.3	1	70.0-130			0.834	20
Di-n-octyl phthalate	45.9	U	37.4	37.7	81.5	81.4	1	70.0-130			0.799	22.9

L1345243-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1345243-03 05/06/21 17:14 • (MS) R3651546-2 05/06/21 17:36 • (MSD) R3651546-3 05/06/21 17:57

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Chloro-3-methylphenol	45.9	U	30.7	30.7	66.9	66.3	1	70.0-130	J6	J6	0.000	20
2-Chlorophenol	45.9	U	32.4	32.4	70.6	70.0	1	70.0-130			0.000	32.4
2,4-Dichlorophenol	45.9	U	33.0	32.7	71.9	70.6	1	70.0-130			0.913	27.3
2,4-Dimethylphenol	45.9	U	28.5	28.8	62.1	62.2	1	70.0-130	J6	J6	1.05	35.4
3&4-Methyl Phenol	45.9	U	30.6	30.1	66.7	65.0	1	20.0-160			1.65	27.7
4,6-Dinitro-2-methylphenol	45.9	U	37.9	37.8	82.6	81.6	1	70.0-130			0.264	37.4
2,4-Dinitrophenol	45.9	U	38.2	38.1	83.2	82.3	1	20.0-160			0.262	40
2-Nitrophenol	45.9	U	32.6	32.3	71.0	69.8	1	70.0-130		J6	0.925	34
4-Nitrophenol	45.9	U	16.0	15.5	34.9	33.5	1	20.0-160			3.17	40
Pentachlorophenol	45.9	U	35.1	35.1	76.5	75.8	1	20.0-160			0.000	40
Phenol	45.9	U	15.5	15.8	33.8	34.1	1	20.0-160			1.92	40
1,2,4,5-Tetrachlorobenzene	45.9	U	38.1	37.5	83.0	81.0	1	70.0-130			1.59	29.8
2,4,6-Trichlorophenol	45.9	U	35.3	34.9	76.9	75.4	1	70.0-130			1.14	29.9
2,4,5-Trichlorophenol	45.9	U	38.0	36.5	82.8	78.8	1	70.0-130			4.03	33.8
2-Methylphenol	45.9	U	28.3	28.2	61.7	60.9	1	70.0-130	J6	J6	0.354	40
(S) Nitrobenzene-d5					*68.1*	*68.0*		*30.0-130*				
(S) 2-Fluorobiphenyl					*88.5*	*87.8*		*30.0-130*				
(S) p-Terphenyl-d14					*78.2*	*80.3*		*30.0-130*				
(S) Phenol-d5					*35.6*	*34.3*		*15.0-110*				
(S) 2-Fluorophenol					*51.4*	*50.1*		*15.0-110*				
(S) 2,4,6-Tribromophenol					*89.1*	*87.6*		*15.0-110*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RT	Retention Time.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
C3	The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.

GLOSSARY OF TERMS

Qualifier	Description
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
N	The analyte is tentatively identified and the associated numerical value may not be consistent with the actual concentration present in the sample.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
P	RPD between the primary and confirmatory analysis exceeded 40%.
T8	Sample(s) received past/too close to holding time expiration.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
TTI Environmental, Inc. - NJ
1253 North Church Street
Moorestown, NJ 08057

Billing Information:
Attn: Accounts Payable
1253 N Church St
Moorestown, NJ 08057

Pres Chk

Report to: **Mr. Andy Basehoar**

Email To: **andyb@ttienv.com**

Project Description: **CRA Reliable Tire**

City/State Collected: Camden, NJ

Please Circle: PT MT CT ET

Phone: **856-840-8800**

Client Project # 20-763

Lab Project # **TTIENVMNJ-CRARELIABL**

Collected by (print): Alec Halbruner

Site/Facility ID # **NJ**

P.O. # TBD

Collected by (signature):

Quote #

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 3

Pace Analytical®
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1345179
B105

Acctnum: TTIENVMNJ
Template: T186156
Prelogin: P842448
PM: 3513 - Jennifer Huckaba
PB: TB 4-22-21
Shipped Via: FedEX Standard

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CN,SV8081/8082NJ,TS 4ozClr-NoPres	M6010TAL-METALS 2ozClr-NoPres	SV8082NJ, TS 4ozClr-NoPres	SV8270PAHDNJTIC* 4ozAmb-NoPres	SV8270PAHDNJTIC,TS 4ozAmb-NoPres	SV8270ICLDNJTIC 4ozAmb-NoPres	TS 4ozClr-NoPres	SV8260TCLNJTIC 40ml/NaHSO4/Syr/MeOH	Naphthalene (hold)	PAHs (hold, run if EPH is detected)	Remarks	Sample # (lab only)
AOC1-29@11.5-12.0	Grab	SS	11.5-12	4/27/21	0825	1	X	X				X		X	X			-01
AOC1-30@ 11.5-12.0		SS	11.5-12		0840	1	X	X				X		X	X			-02
AOC1-31@ 11.5-12.0		SS	11.5-12		0848	1	X	X				X		X	X			-03
AOC1-32@ 12.5-13.0		SS	12.5-13		0900	1	X	X				X		X	X			-04
AOC1-33@ 12.0-12.5		SS	12-12.5		0910	1	X	X				X		X	X			-05
AOC7-1@ 11.0-11.5		SS	11-11.5		0925	3	X	X	X	X		X		X				-06
AOC6-1@ 10.5-11.0		SS	10.5-11		0938	2	X	X			X	X	X	X		X		-07
AOC6-2@ 11.0-11.5		SS	11-11.5		0945	2	X	X			X	X	X	X		X		-08
AOC6-3@ 11.5-12.0		SS	11.5-12		0952	2	X	X			X	X	X	X		X		-09
AOC6-4@ 11.5-12.0		SS	11.5-12		1002	2	X	X			X	X	X	X		X		-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: For SV8270PAHDNJTIC*, list is only Nap & 2-Methylnap. Use TTIENVMNJ-CRA-NAP2MN project for those samples.

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	4/27/21	15:30	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No
HCL / MeoH
TBR
1

Temp: 1.5+0=1.5 °C (MAH) Bottles Received: 81

Date: 04/28/21 Time: 1200

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
TTI Environmental, Inc. - NJ

1253 North Church Street
Moorestown, NJ 08057

Billing Information:
Attn: Accounts Payable
1253 N Church St
Moorestown, NJ 08057

Report to:
Mr. Andy Basehoar

Email To: andyb@ttienv.com

Project Description:
CRA Reliable Tire

City/State Collected: Camden, NJ

Please Circle: PT MT CT ET

Phone: **856-840-8800**

Client Project # 20-763

Lab Project # **TTIENVMNJ-CRARELIABL**

Collected by (print): Alec Halbruner

Site/Facility ID # NJ

P.O. #

Collected by (signature): Alec Halbruner

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Chain of Custody

Pace Analytical®

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1345179

Table #

Acctnum: **TTIENVMNJ**

Template: **T186156**

Prelogin: **P842448**

PM: **3513 - Jennifer Huckaba**

PB: TB 4-22-21

Shipped Via: **FedEx Standard**

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CN,SV8081/8082NJ,TS 4ozClr-NoPres	M6010TALMETALS 2ozClr-NoPres	SV8082NJ,TS 4ozClr-NoPres	SV8270PAHDNJTIC * 4ozAmb-NoPres	SV8270PAHDNJTIC,TS 4ozAmb-NoPres EPH Cat. 2	SV8270TICLDNJTIC 4ozAmb-NoPres	TS 4ozClr-NoPres Full TCL/TAL	V8260TICLNJTIC 40ml/NaHSO4/Syr/MeOH	PAHs, PCBs, TAL Metals	Remarks	Sample # (lab only)
AOC7-2 @ 12.0-12.5	Grab	SS	12-12.5	4/27/21	1035	3	X	X				X		X	X		-11
AOC8-1 @ 12.5-13.0		SS	12.5-13		1045	6	X	X			X	X	X	X			-12
AOC8-2 @ 11.5-12.0		SS	11.5-12		1105	6	X	X			X	X	X	X			-13
AOC8-3 @ 13.5-14.0		SS	13.5-14		1155	6	X	X			X	X	X	X			-14
AOC8-4 @ 13.0-13.5		SS	13-13.5		1204	6	X	X			X	X	X	X			-15
AOC8-5 @ 13.5-14.0		SS	13.5-14		1245	6	X	X			X	X	X	X			-16
AOC8-6 @ 13.5-14.0		SS	13.5-14		1255	6A					X		X	X			-17
AOC8-7 @ 13.0-13.5		SS	13-13.5		1308	6A					X		X	X			-18
AOC8-8 @ 12.5-13.0		SS	12.5-13		1330	0A					X		X	X			
BD-6		SS	—		—	6A					X		X	X			-19

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: For SV8270PAHDNJTIC*, list is only Nap & 2-Methylnap. Use TTIENVMNJ-CRA-NAP2MN project for those samples.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by : (Signature) Alec Halbruner	4/27/21	15:00	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.5 Std=1.5 °C Bottles Received: 81
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 04/28/21 Time: 1200

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
TTI Environmental, Inc. - NJ

1253 North Church Street
Moorestown, NJ 08057

Billing Information:
Attn: Accounts Payable
1253 N Church St
Moorestown, NJ 08057

Pres Chk

Report to:
Mr. Andy Basehoar

Email To: **andyb@ttienv.com**

Project Description:
CRA Reliable Tire

City/State Collected: **Camden, NJ**

Please Circle: PT MT CT (ET)

Phone: **856-840-8800**

Client Project #
20-763

Lab Project #
TTIENVMNJ-CRARELIABL

Collected by (print):
Alec Halbiner

Site/Facility ID #
NJ

P.O. #
TBD

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	~~CN,SV8081/8082NJ,TS 4ozClr-NoPres~~	M6010TAL METALS 2ozClr-NoPres	~~SV8082NJ, TS 4ozClr-NoPres~~ Full TCL/TAL	~~SV8270PAHDNJTIC* 4ozAmb-NoPres~~ VOCs	SV8270PAHDNJTIC TS 4ozAmb-NoPres PAHs	~~SV8270TCLDNJTIC 4ozAmb-NoPres~~ TAL Metals	~~TS 4ozClr-NoPres~~	~~V8260TCLNJTIC 40ml/NaHSO4/Syr/MeOH~~	VOCs, PAHs, TAL Metals		Remarks	Sample # (lab only)
AOC10-1@13.0-13.5	Grab	SS	13-13.5	4/27/21	1055	5/4							X	X	X	X		-20
AOC10-2@13.0-13.5	Grab	SS	13-13.5	4/27/21	1140	0/4							X	X	X	X		
BD-5	Grab	SS	—	4/27/21	—	5/4							X	X	X	X		-21
TB-42721	—	~~GW~~ SS	—	—	—	1/4				X			X	X				-22
EQ-42721	Grab	~~6~~ SS	—	4/27/21	1340	0/4			X				X	X				
FB-42721	Grab	SS	—	4/27/21	1500	0/4			X				X	X				
HISTFILL-1	Grab	SS	3-3.5	4/27/21	1125	2/4					X	X	X	X				-23
		SS				4							X	X				
		SS				4							X	X				
		SS				4							X	X				

Chain of Custody Page 3 of 3

Pace Analytical®

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1345179

Table #

Acctnum: **TTIENVMNJ**

Template: **T186156**

Prelogin: **P842448**

PM: **3513 - Jennifer Huckaba**

PB: TB 4-22-21

Shipped Via: **FedEX Standard**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: For SV8270PAHDNJTIC*, list is only Nap & 2-Methylnap. Use TTIENVMNJ-CRA-NAP2MN project for those samples.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Relinquished by : (Signature)	4/27/21	15:00		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.5+0=1.5 °C Bottles Received: 81	If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 04/28/21 Time: 1200	Hold: Condition: NCF / OK

L1345179 TTIENVMNJ NCF HM (had missing samples, but found, see below)

R5

Time estimate: oh **Time spent:** oh

Members

HM Hailey Melson (responsible) JJH Jennifer Huckaba

- [x] Login Clarification needed
- [ ] Chain of custody is incomplete
- [ ] Please specify Metals requested
- [ ] Please specify TCLP requested
- [x] Received additional samples not listed on COC
- [ ] Sample IDs on containers do not match IDs on COC
- [ ] Client did not "X" analysis
- [ ] Chain of Custody is missing
- [ ] If no COC: Received by:_____
- [ ] If no COC: Date/Time:_____
- [ ] If no COC: Temp./Cont.Rec./pH:_____
- [ ] If no COC: Carrier:_____
- [ ] If no COC: Tracking #:_____
- [ ] Client informed by call
- [ ] Client informed by Email
- [ ] Client informed by Voicemail
- [ ] Date/Time:_____
- [ ] PM initials:_____
- [ ] Client Contact:_____

Comments

Hailey Melson *28 April 2021 9:01 PM*

Missing sample IDs: AOC8-8 @ 12.5-13.0, AOC10-2 @ 13.0-13.5, EQ-42721, FB-42721
Additional samples not on COC: BD-4, AOC1-28 @ 11.5-12.0

Jennifer Huckaba *29 April 2021 5:20 PM*

Matt S has the missing samples you listed above. I will check about the extra samples.

The extra samples you have were listed under COC: L1344477 if you can add these to that job please.

Jennifer Huckaba *29 April 2021 5:28 PM*

Please note, these require ALL NJ products so for samples asking for TCLTAL, log individually with V8260TCLNJTIC, SV8270TCLDNJTIC, M6010TAL, SV8081/8082NJ, CN and wait on clarification about EPH CAT 2 on AOC8-8@12.4-13.0 SAMPLE. It may be the SVEPHSNJ but checking.

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name: Pace Analytical National ***Client:*** TTI Environmental, Inc.

Project Location: Camden, NJ ***Project Number:*** 20-763

Laboratory Sample ID(s): L1345179-01 thru -27 ***Sampling Date(s):*** 04/27/21

List DKQP Methods Used (e.g., 8260, 8270, et cetera) NJEPH,4500CN E-2011,9012B,7470A,6020B, 8260D,8011,8081B,8082A,8270E,8270E-SIM, 6010D, 7471B

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	X Yes □ No
1A	Were the method specified handling, preservation, and holding time requirements met?	□ Yes X No
1B	*EPH Method*: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	X Yes □ No □ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	X Yes □ No
3	Were samples received at an appropriate temperature (4±2° C)?	X Yes □ No □ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	□ Yes X No
5	a) Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b) Were these reporting limits met?	X Yes □ No □ Yes X No □ NA
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	X Yes □ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	X Yes □ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Data of Known Quality."

ANALYTICAL REPORT

May 22, 2021

TTI Environmental, Inc. - NJ

Sample Delivery Group:	L1346268
Samples Received:	04/30/2021
Project Number:	20-763
Description:	CRA Reliable Tire
Site:	NJ
Report To:	Mr. Andy Basehoar 1253 North Church Street Moorestown, NJ 08057

Entire Report Reviewed By:

Jennifer Huckaba

Project Manager

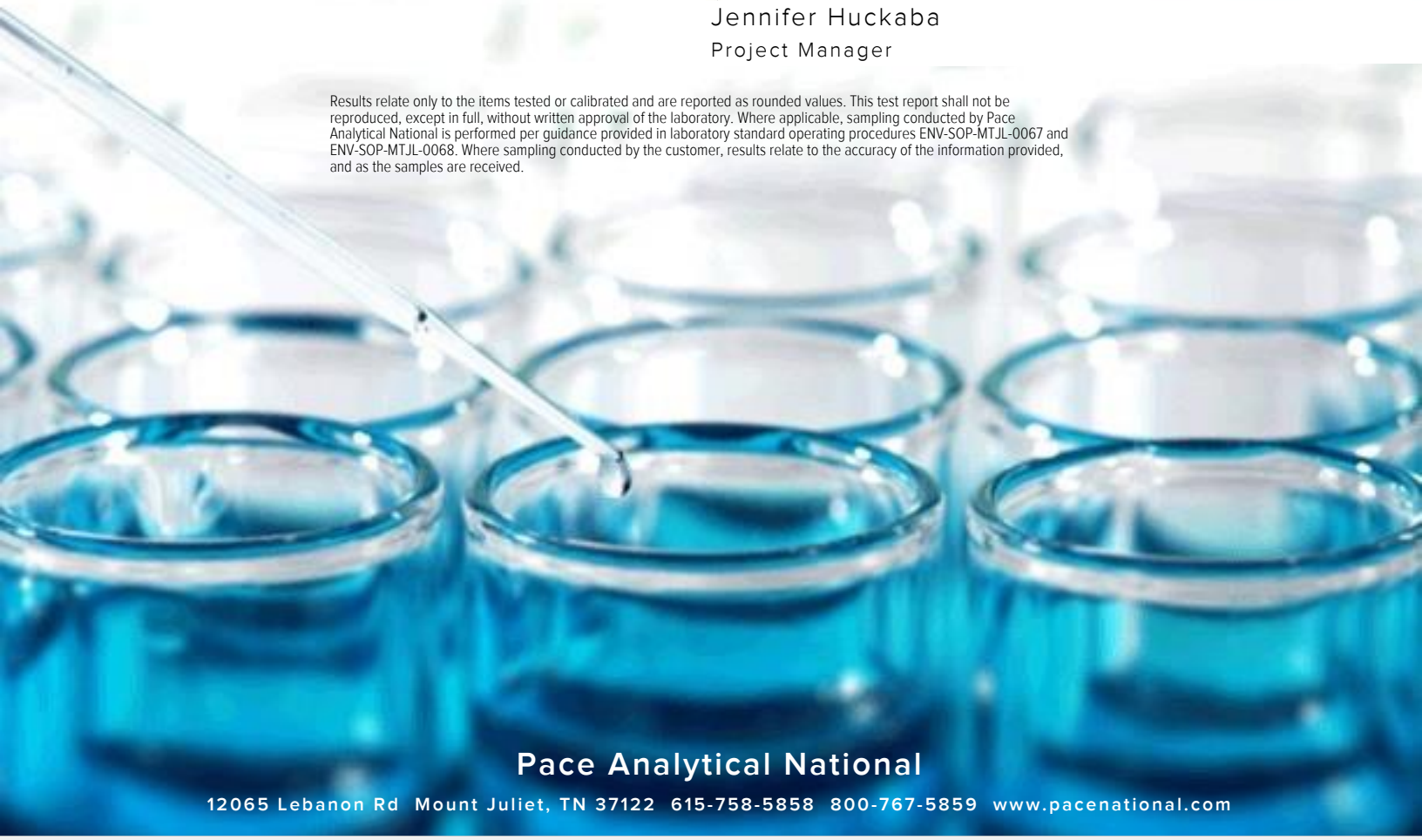


TABLE OF CONTENTS

TP 1 @ 4-4.5 L1346268-01 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 08:50 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664019	1	05/04/21 13:43	05/04/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:33	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 16:07	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 07:57	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666286	1.26	04/28/21 08:50	05/07/21 18:22	ADM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1663467	1	05/05/21 07:12	05/06/21 14:14	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663467	1	05/05/21 07:12	05/05/21 17:14	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1666711	1	05/08/21 07:10	05/08/21 19:50	AO	Mt. Juliet, TN

TP 2 @ 2-75-3.25 L1346268-02 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 09:40 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664019	1	05/04/21 13:43	05/04/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:04	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 16:09	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 07:59	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666286	1	04/28/21 09:40	05/07/21 18:44	ADM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1663467	1	05/05/21 07:12	05/06/21 14:29	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663467	1	05/05/21 07:12	05/05/21 17:24	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1666711	1	05/08/21 07:10	05/08/21 17:03	AO	Mt. Juliet, TN

TP 3 @ 3.5-4 L1346268-03 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 10:20 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664019	1	05/04/21 13:43	05/04/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:08	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 16:12	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 08:02	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666286	1.25	04/28/21 10:20	05/07/21 19:06	ADM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664100	1	05/04/21 16:51	05/05/21 20:36	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664100	1	05/04/21 16:51	05/05/21 18:24	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1666711	1	05/08/21 07:10	05/08/21 18:27	AO	Mt. Juliet, TN

TP 4 @ 0.5-1 L1346268-04 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 10:40 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664019	1	05/04/21 13:43	05/04/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:09	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 16:14	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 08:10	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666286	1	04/28/21 10:40	05/07/21 19:27	ADM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664100	1	05/04/21 16:51	05/05/21 20:50	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664100	1	05/04/21 16:51	05/05/21 18:34	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1666711	10	05/08/21 07:10	05/12/21 01:28	AO	Mt. Juliet, TN

SAMPLE SUMMARY

TP 5 @ 1.5-2 L1346268-05 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 11:00 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664019	1	05/04/21 13:43	05/04/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:10	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 16:17	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 08:12	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666286	1	04/28/21 11:00	05/07/21 19:48	ADM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664100	1	05/04/21 16:51	05/05/21 21:05	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664100	1	05/04/21 16:51	05/05/21 18:44	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1666711	1	05/08/21 07:10	05/08/21 20:32	AO	Mt. Juliet, TN

TP 6 @ 3-3.5 L1346268-06 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 11:30 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664019	1	05/04/21 13:43	05/04/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:11	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 16:24	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 07:44	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666286	1.21	04/28/21 11:30	05/07/21 20:10	ADM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664100	1	05/04/21 16:51	05/05/21 21:20	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664100	1	05/04/21 16:51	05/05/21 19:24	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1666711	1	05/08/21 07:10	05/08/21 19:29	AO	Mt. Juliet, TN

TP 7 @ 2.5-3 L1346268-07 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 12:15 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664019	1	05/04/21 13:43	05/04/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:12	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 16:27	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 08:15	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666286	1	04/28/21 12:15	05/07/21 20:32	ADM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664100	1	05/04/21 16:51	05/05/21 21:34	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664100	1	05/04/21 16:51	05/05/21 19:34	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1666711	1	05/08/21 07:10	05/08/21 19:08	AO	Mt. Juliet, TN

TP 8 @ 2-2.5 L1346268-08 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 12:55 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664019	1	05/04/21 13:43	05/04/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:13	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 16:29	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 08:17	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666722	1	04/28/21 12:55	05/08/21 16:10	BMB	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664100	1	05/04/21 16:51	05/05/21 21:49	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664100	1	05/04/21 16:51	05/05/21 19:44	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1666711	1	05/08/21 07:10	05/08/21 20:53	AO	Mt. Juliet, TN

TP 9 @ 5-5.5 L1346268-09 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 14:00 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664019	1	05/04/21 13:43	05/04/21 14:01	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:14	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 16:32	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 08:20	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666286	1	04/28/21 14:00	05/07/21 21:44	ADM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664100	1	05/04/21 16:51	05/05/21 22:04	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664100	1	05/04/21 16:51	05/05/21 19:54	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1666711	1	05/08/21 07:10	05/08/21 17:24	AO	Mt. Juliet, TN

TP 10 @ 4-4.5 L1346268-10 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 14:40 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664020	1	05/04/21 13:27	05/04/21 13:40	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:15	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 16:35	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 08:22	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666286	1	04/28/21 14:40	05/07/21 22:05	ADM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664100	1	05/04/21 16:51	05/05/21 22:19	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664100	1	05/04/21 16:51	05/05/21 20:04	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1666711	1	05/08/21 07:10	05/08/21 18:06	AO	Mt. Juliet, TN

TP 11 @ 1.5-2 L1346268-11 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 15:15 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664020	1	05/04/21 13:27	05/04/21 13:40	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:16	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 16:37	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 08:25	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666722	1	04/28/21 15:15	05/08/21 16:32	BMB	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664100	1	05/04/21 16:51	05/05/21 22:34	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664100	1	05/04/21 16:51	05/05/21 20:14	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1666711	1	05/08/21 07:10	05/08/21 20:11	AO	Mt. Juliet, TN

TP 12 @ 0.5-1 L1346268-12 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 15:35 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664020	1	05/04/21 13:27	05/04/21 13:40	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:17	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 16:40	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 08:28	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666722	1.12	04/28/21 15:35	05/08/21 16:53	BMB	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664100	1	05/04/21 16:51	05/05/21 22:49	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664100	1	05/04/21 16:51	05/05/21 20:24	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1666711	10	05/08/21 07:10	05/12/21 01:07	AO	Mt. Juliet, TN

TP - BD-1 L1346268-13 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 12:00 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664020	1	05/04/21 13:27	05/04/21 13:40	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:20	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 15:59	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 08:30	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666286	1.03	04/28/21 12:00	05/08/21 00:35	ADM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664100	1	05/04/21 16:51	05/05/21 23:04	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664100	1	05/04/21 16:51	05/05/21 20:34	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1666711	10	05/08/21 07:10	05/12/21 00:47	AO	Mt. Juliet, TN

TP - BD-2 L1346268-14 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 13:00 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664020	1	05/04/21 13:27	05/04/21 13:40	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:23	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 16:42	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 08:33	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666286	1	04/28/21 13:00	05/08/21 00:57	ADM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664100	1	05/04/21 16:51	05/05/21 23:19	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664100	1	05/04/21 16:51	05/05/21 20:44	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1666711	1	05/08/21 07:10	05/08/21 17:44	AO	Mt. Juliet, TN

AOC 8-9 L1346268-15 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 09:23 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1666770	1	05/08/21 09:21	05/08/21 09:27	MT	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:24	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 16:45	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 08:41	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1668173	1	04/28/21 09:23	05/11/21 16:05	DWR	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1663467	1	05/05/21 07:12	05/06/21 14:44	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663467	1	05/05/21 07:12	05/05/21 17:34	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1666923	1	05/09/21 13:39	05/10/21 16:19	JNJ	Mt. Juliet, TN

AOC 8-10 L1346268-16 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 09:30 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1666770	1	05/08/21 09:21	05/08/21 09:27	MT	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:26	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 16:47	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662840	1	05/04/21 15:11	05/07/21 00:44	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662840	1	05/04/21 15:11	05/07/21 10:06	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1668173	1	04/28/21 09:30	05/11/21 16:27	DWR	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1663467	1	05/05/21 07:12	05/06/21 14:58	ADF	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663467	1	05/05/21 07:12	05/05/21 17:44	ADF	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1664372	1	05/05/21 00:54	05/05/21 17:28	TMM	Mt. Juliet, TN

AOC 10-3 L1346268-17 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 09:45 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664020	1	05/04/21 13:27	05/04/21 13:40	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 16:55	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 08:44	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666286	1	04/28/21 09:45	05/08/21 01:42	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663447	1	05/04/21 15:25	05/04/21 21:39	AAT	Mt. Juliet, TN

AOC 10-4 L1346268-18 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 09:55 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664020	1	05/04/21 13:27	05/04/21 13:40	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 16:57	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 08:46	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666286	1	04/28/21 09:55	05/08/21 02:03	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663447	1	05/04/21 15:25	05/04/21 22:00	AAT	Mt. Juliet, TN

AOC 10-5 L1346268-19 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 10:03 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664020	1	05/04/21 13:27	05/04/21 13:40	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 17:00	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 08:49	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666286	1	04/28/21 10:03	05/08/21 02:25	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663447	1	05/04/21 15:25	05/04/21 22:20	AAT	Mt. Juliet, TN

AOC 10-6 L1346268-20 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 10:33 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664020	1	05/04/21 13:27	05/04/21 13:40	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG1662823	1	05/06/21 12:32	05/06/21 17:02	BMF	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 08:51	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666286	1	04/28/21 10:33	05/08/21 06:43	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663447	1	05/04/21 15:25	05/04/21 23:22	AAT	Mt. Juliet, TN

AOC 10-7 L1346268-21 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 10:45 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664020	1	05/04/21 13:27	05/04/21 13:40	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG1663631	1	05/05/21 16:15	05/06/21 13:24	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662844	1	05/04/21 15:14	05/07/21 08:54	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666286	1	04/28/21 10:45	05/08/21 07:05	ADM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663447	1	05/04/21 15:25	05/04/21 23:42	AAT	Mt. Juliet, TN

AOC 9-1 L1346268-22 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 11:10 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664024	1	05/04/21 14:54	05/04/21 15:05	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG1663631	1	05/05/21 16:15	05/06/21 13:26	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662840	1	05/04/21 15:11	05/07/21 00:57	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662840	1	05/04/21 15:11	05/07/21 10:18	CCE	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663447	1	05/04/21 15:25	05/05/21 04:28	AAT	Mt. Juliet, TN

AOC 2-1 L1346268-23 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 10:13 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664024	1	05/04/21 14:54	05/04/21 15:05	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:27	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1663631	1	05/05/21 16:15	05/06/21 13:29	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662840	1	05/04/21 15:11	05/07/21 01:00	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662840	1	05/04/21 15:11	05/07/21 10:21	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666286	1	04/28/21 10:13	05/08/21 07:26	ADM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1663467	1	05/05/21 07:12	05/06/21 15:13	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663467	1	05/05/21 07:12	05/05/21 17:54	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1666711	2	05/08/21 07:10	05/08/21 21:14	AO	Mt. Juliet, TN

AOC 2-2 L1346268-24 Solid

Collected by: Alec Halbruner | Collected date/time: 04/28/21 10:24 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1664024	1	05/04/21 14:54	05/04/21 15:05	KDW	Mt. Juliet, TN
Wet Chemistry by Method 9012B	WG1668185	1	05/11/21 15:13	05/11/21 19:28	KEG	Mt. Juliet, TN
Mercury by Method 7471B	WG1663631	1	05/05/21 16:15	05/06/21 13:37	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662840	1	05/04/21 15:11	05/07/21 01:03	CCE	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1662840	1	05/04/21 15:11	05/07/21 10:23	CCE	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666768	1	04/28/21 10:24	05/08/21 13:57	ADM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1663467	1	05/05/21 07:12	05/06/21 15:29	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1663467	1	05/05/21 07:12	05/05/21 18:04	SSH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1666711	1	05/08/21 07:10	05/08/21 18:47	AO	Mt. Juliet, TN

TW-1 L1346268-25 GW

Collected by: Alec Halbruner | Collected date/time: 04/28/21 11:55 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500CN E-2011	WG1665647	1	05/06/21 12:35	05/06/21 20:28	JER	Mt. Juliet, TN
Mercury by Method 7470A	WG1663098	1	05/06/21 15:37	05/07/21 11:53	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1669683	1	05/14/21 19:01	05/15/21 00:28	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1664238	1	05/04/21 22:15	05/04/21 22:15	BMB	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1664603	1	05/05/21 09:06	05/06/21 15:43	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664121	1	05/04/21 22:38	05/05/21 22:42	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664121	1	05/04/21 22:38	05/05/21 15:54	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663492	1.14	05/05/21 07:36	05/05/21 21:39	TMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663492	1.14	05/05/21 07:36	05/06/21 15:06	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1665257	1	05/05/21 12:47	05/06/21 02:57	LEA	Mt. Juliet, TN

TW-2 L1346268-26 GW

Collected by: Alec Halbruner | Collected date/time: 04/28/21 13:40 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500CN E-2011	WG1665647	1	05/06/21 12:35	05/06/21 20:29	JER	Mt. Juliet, TN
Mercury by Method 7470A	WG1663098	1	05/06/21 15:37	05/07/21 11:55	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1669683	1	05/14/21 19:01	05/15/21 01:46	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1669683	10	05/14/21 19:01	05/15/21 00:31	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1664238	1	05/04/21 22:36	05/04/21 22:36	BMB	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1664603	1	05/05/21 09:06	05/06/21 15:55	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664121	1	05/04/21 22:38	05/05/21 22:55	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664121	1	05/04/21 22:38	05/05/21 16:06	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663492	1.02	05/05/21 07:36	05/05/21 22:01	TMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663492	1.02	05/05/21 07:36	05/06/21 15:27	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1665257	1	05/05/21 12:47	05/06/21 03:17	LEA	Mt. Juliet, TN

TW-3 L1346268-27 GW

Collected by: Alec Halbruner | Collected date/time: 04/28/21 14:35 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500CN E-2011	WG1665647	1	05/06/21 12:35	05/06/21 21:08	JER	Mt. Juliet, TN
Mercury by Method 7470A	WG1663098	1	05/06/21 15:37	05/07/21 11:57	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1669683	1	05/14/21 19:01	05/15/21 01:49	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1669683	10	05/14/21 19:01	05/15/21 00:34	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1664238	1	05/04/21 22:56	05/04/21 22:56	BMB	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1664603	1	05/05/21 09:06	05/06/21 16:07	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664121	1	05/04/21 22:38	05/05/21 23:07	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664121	1	05/04/21 22:38	05/05/21 16:18	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663492	1.15	05/05/21 07:36	05/05/21 22:22	TMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663492	1.15	05/05/21 07:36	05/06/21 15:49	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1665257	1	05/05/21 12:47	05/06/21 03:37	LEA	Mt. Juliet, TN

TW-4 L1346268-28 GW

Collected by: Alec Halbruner | Collected date/time: 04/28/21 15:40 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500CN E-2011	WG1665647	1	05/06/21 12:35	05/06/21 21:09	JER	Mt. Juliet, TN
Mercury by Method 7470A	WG1663098	1	05/06/21 15:37	05/07/21 11:59	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1669683	1	05/14/21 19:01	05/15/21 01:53	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1669683	10	05/14/21 19:01	05/15/21 00:37	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1664238	1	05/04/21 23:16	05/04/21 23:16	BMB	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1664603	1	05/05/21 09:06	05/06/21 16:19	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664121	1	05/04/21 22:38	05/05/21 23:19	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664121	1	05/04/21 22:38	05/05/21 16:30	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663492	1	05/05/21 07:36	05/05/21 22:43	TMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663492	1	05/05/21 07:36	05/06/21 16:10	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1665257	1	05/05/21 12:47	05/06/21 03:57	LEA	Mt. Juliet, TN

BD-TW L1346268-29 GW

Collected by: Alec Halbruner | Collected date/time: 04/28/21 00:00 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500CN E-2011	WG1665647	1	05/06/21 12:35	05/06/21 21:10	JER	Mt. Juliet, TN
Mercury by Method 7470A	WG1663098	1	05/06/21 15:37	05/07/21 12:01	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1669683	1	05/14/21 19:01	05/15/21 01:56	JPD	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1669683	10	05/14/21 19:01	05/15/21 00:41	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1664238	1	05/04/21 23:37	05/04/21 23:37	BMB	Mt. Juliet, TN

BD-TW L1346268-29 GW

Collected by: Alec Halbruner | Collected date/time: 04/28/21 00:00 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
EDB / DBCP by Method 8011	WG1664603	1	05/05/21 09:06	05/06/21 16:31	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664121	1	05/04/21 22:38	05/05/21 23:32	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664121	1	05/04/21 22:38	05/05/21 16:42	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663492	1.03	05/05/21 07:36	05/05/21 23:04	TMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663492	1.03	05/05/21 07:36	05/06/21 16:32	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1665257	1	05/05/21 12:47	05/06/21 04:17	LEA	Mt. Juliet, TN

FB42821 L1346268-30 GW

Collected by: Alec Halbruner | Collected date/time: 04/28/21 16:25 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500CN E-2011	WG1665647	1	05/06/21 12:35	05/06/21 21:11	JER	Mt. Juliet, TN
Mercury by Method 7470A	WG1663098	1	05/06/21 15:37	05/07/21 12:03	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1669683	1	05/14/21 19:01	05/15/21 00:44	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1664238	1	05/04/21 18:31	05/04/21 18:31	BMB	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1664603	1	05/05/21 09:06	05/06/21 16:43	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664121	1	05/04/21 22:38	05/05/21 23:44	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664121	1	05/04/21 22:38	05/05/21 16:54	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663492	1	05/05/21 07:36	05/05/21 23:25	TMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663492	1	05/05/21 07:36	05/06/21 16:53	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1665257	1	05/05/21 12:47	05/06/21 04:37	LEA	Mt. Juliet, TN

EB42821 L1346268-31 GW

Collected by: Alec Halbruner | Collected date/time: 04/28/21 16:45 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 4500CN E-2011	WG1665647	1	05/06/21 12:35	05/06/21 21:12	JER	Mt. Juliet, TN
Mercury by Method 7470A	WG1663098	1	05/06/21 15:37	05/07/21 12:05	ABL	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1669683	1	05/14/21 19:01	05/15/21 00:47	JPD	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1664238	1	05/04/21 18:52	05/04/21 18:52	BMB	Mt. Juliet, TN
EDB / DBCP by Method 8011	WG1664605	1	05/05/21 09:05	05/06/21 18:20	AMM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG1664121	1	05/04/21 22:38	05/05/21 23:56	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082 A	WG1664121	1	05/04/21 22:38	05/05/21 17:06	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E	WG1663713	1	05/04/21 05:55	05/05/21 02:08	TMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1665257	1	05/05/21 12:47	05/06/21 02:37	LEA	Mt. Juliet, TN

TB42821 L1346268-32 GW

Collected by: Alec Halbruner | Collected date/time: 04/28/21 17:05 | Received date/time: 04/30/21 12:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1666868	1	05/09/21 01:35	05/09/21 01:35	TPR	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jennifer Huckaba
Project Manager

Project Comments

For 8270TCL on the following samples, the LCS failed against NJ limits, but they are well within the laboratory historical limits: L1346268-01,-02,-03,-05,-06,-07,-08,-09,-10,-11,-14,-23 & -24 - WG1666711.

5b. Soil reporting limits for Pesticides are above the soil IGWSRS limits for several compounds (Alpha BHC, Beta BHC, Gamma BHC, Chlordane & Dieldrin). Also, due to 10x dilutions on 8270, samples L1346268-04, -12 & -13, 4,6-Dinitro-2-Methylphenol and 2,4-Dinitrophenol were above the limits.

5b. Water reporting limits compared to NJ GW High PQL/GWQ have 2 compounds under method 8270 above the limits (4,6-Dinitro-2-methylphenol and Pentachlorophenol) and 8260 1,2-Dibromo-3-Chloropropane (DBCP) and 1,2-Dibromomethane (EDB), but these 2 compounds were also analyzed by 8011.

Sample Delivery Group (SDG) Narrative

Analyzed from headspace vial.

Batch	Method	Lab Sample ID
WG1666868	8260D	L1346268-32

Metals (ICP) by Method 6010D

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG1662840	Sodium	L1346268-16, 23, 24

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG1662840	(MSD) R3651428-6, L1346268-16	Aluminum

The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG1662840	(MS) R3651428-5, (MSD) R3651428-6, L1346268-16	Iron
WG1662844	(MS) R3651621-5, (MSD) R3651621-6, L1346268-06	Aluminum, Calcium, Iron, Lead and Zinc

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG1662840	(MS) R3651428-5, (MSD) R3651428-6, L1346268-16	Aluminum and Potassium
WG1662844	(MS) R3651621-5, (MSD) R3651621-6, L1346268-06	Antimony, Magnesium and Potassium

Metals (ICP) by Method 6010D

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG1662844	(MSD) R3651621-6, L1346268-06	Lead and Zinc

The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

Batch	Lab Sample ID	Analytes
WG1662840	L1346268-16	Aluminum and Iron
WG1662844	L1346268-06	Aluminum, Lead and Zinc

Metals (ICPMS) by Method 6020B

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG1669683	Copper	L1346268-30, 31
WG1669683	Silver	L1346268-26, 27, 28, 29

The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG1669683	(MSD) R3654753-5	Sodium

Volatile Organic Compounds (GC/MS) by Method 8260D

The reported concentration is an estimate. The continuing calibration standard associated with this data responded low. Method sensitivity check is acceptable.

Batch	Lab Sample ID	Analytes
WG1664238	L1346268-25	Vinyl chloride
WG1664238	L1346268-26	Vinyl chloride
WG1664238	L1346268-27	Vinyl chloride
WG1664238	L1346268-28	Vinyl chloride
WG1664238	L1346268-29	Vinyl chloride
WG1664238	L1346268-30	Vinyl chloride
WG1664238	L1346268-31	Vinyl chloride
WG1666286	L1346268-13	1,1,2,2-Tetrachloroethane
WG1666286	L1346268-14	1,1,2,2-Tetrachloroethane
WG1666286	L1346268-17	1,1,2,2-Tetrachloroethane
WG1666286	L1346268-18	1,1,2,2-Tetrachloroethane
WG1666286	L1346268-19	1,1,2,2-Tetrachloroethane
WG1666286	L1346268-20	1,1,2,2-Tetrachloroethane
WG1666286	L1346268-21	1,1,2,2-Tetrachloroethane
WG1666286	L1346268-23	1,1,2,2-Tetrachloroethane
WG1666868	L1346268-32	1,1,2-Trichlorotrifluoroethane, Cyclohexane, Methyl tert-butyl ether and Tetrachloroethene

The reported concentration is an estimate. The continuing calibration standard associated with this data responded high. Data is likely to show a high bias concerning the result.

Batch	Lab Sample ID	Analytes
WG1666722	L1346268-08	Acetone
WG1666722	L1346268-11	Acetone
WG1666722	L1346268-12	Acetone

The same analyte is found in the associated blank.

Batch	Analyte	Lab Sample ID
WG1666722	Xylenes, Total	L1346268-08, 11, 12

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG1666868	(LCSD) R3652084-2, L1346268-32	1,1,2-Trichlorotrifluoroethane and Cyclohexane

Volatile Organic Compounds (GC/MS) by Method 8260D

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG1666722	(LCS) R3652024-1, L1346268-08, 11, 12	Acetone
WG1666868	(LCS) R3652084-1, (LCSD) R3652084-2, L1346268-32	tert-Butyl alcohol

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG1666868	(LCSD) R3652084-2, L1346268-32	1,1,2-Trichlorotrifluoroethane

The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Batch	Lab Sample ID	Analytes
WG1666722	(MS) R3652024-4, (MSD) R3652024-5	Acetone and Xylenes, Total
WG1666868	(MS) R3652084-5, (MSD) R3652084-6	11 analytes

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG1666722	(MS) R3652024-4, (MSD) R3652024-5	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Chlorobenzene, Methyl Acetate, Styrene, Toluene and trans-1,3-Dichloropropene
WG1666868	(MS) R3652084-5, (MSD) R3652084-6	1,1,2-Trichlorotrifluoroethane

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG1666722	(MSD) R3652024-5	1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-Chloropropane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Hexanone and Styrene
WG1666868	(MSD) R3652084-6	Dichlorodifluoromethane

Pesticides (GC) by Method 8081B

RPD between the primary and confirmatory analysis exceeded 40%

Batch	Lab Sample ID	Analytes
WG1664100	L1346268-04	Methoxychlor
WG1664100	(MSD) R3651238-2	Methoxychlor

Surrogate recovery limits have been exceeded; values are outside upper control limits.

Batch	Analyte	Lab Sample ID
WG1664100	Decachlorobiphenyl	L1346268-12

Surrogate recovery limits have been exceeded; values are outside lower control limits.

Batch	Analyte	Lab Sample ID
WG1664121	Decachlorobiphenyl	L1346268-25, 26, 27, 28, 29

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG1664121	(LCS) R3651164-2, (LCSD) R3651164-3, L1346268-25, 26, 27, 28, 29, 30, 31	Endrin aldehyde

Polychlorinated Biphenyls (GC) by Method 8082 A

RPD between the primary and confirmatory analysis exceeded 40%

Batch	Lab Sample ID	Analytes
WG1664100	L1346268-12	PCB 1254 and Total PCBs
WG1664100	(MS) R3650682-3	PCB 1016
WG1664100	(MSD) R3650682-4	PCB 1016

Polychlorinated Biphenyls (GC) by Method 8082 A

Surrogate recovery limits have been exceeded; values are outside lower control limits.

Batch	Analyte	Lab Sample ID
WG1664121	Decachlorobiphenyl	L1346268-27, 28, 29

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG1664121	(MSD) R3651015-4	PCB 1016

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Surrogate recovery limits have been exceeded; values are outside upper control limits.

Batch	Analyte	Lab Sample ID
WG1663447	p-Terphenyl-d14	L1346268-18, 20, 21

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG1664372	(LCS) R3650736-1, L1346268-16	52 analytes
WG1666711	(LCS) R3652535-1, L1346268-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 23, 24	52 analytes
WG1666923	(LCS) R3652992-1, L1346268-15	55 analytes

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG1663447	(MS) R3650489-5, (MSD) R3650489-6, L1346268-19	16 analytes
WG1664372	(MS) R3650736-4, (MSD) R3650736-5	56 analytes

Semi Volatile Organic Compounds (GC/MS) by Method 8270E

The associated batch QC was below the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG1663492	(LCS) R3651143-1, (LCSD) R3651143-2, L1346268-25, 26, 27, 28, 29, 30	2,4-Dimethylphenol, 2-Chlorophenol, 2-Methylphenol, 4-Chloro-3-methylphenol and 4-Chloroaniline
WG1663713	(LCS) R3650706-1, L1346268-31	26 analytes

The associated batch QC was above the established quality control range for accuracy.

Batch	Lab Sample ID	Analytes
WG1663492	(LCS) R3651143-1, L1346268-25, 26, 27, 28, 29, 30	Benzaldehyde

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG1663713	(MS) R3650706-3, (MSD) R3650706-4	31 analytes

The associated batch QC was outside the established quality control range for precision.

Batch	Lab Sample ID	Analytes
WG1663713	(MSD) R3650706-4	4-Chlorophenyl-phenylether, Biphenyl, Dibenzofuran and n-Nitrosodiphenylamine

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.7		1	05/04/2021 14:01	WG1664019

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0855	0.292	1	05/11/2021 19:33	WG1668185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.143		0.0210	0.0467	1	05/06/2021 16:07	WG1662823

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	6840		7.09	11.7	1	05/07/2021 07:57	WG1662844
Antimony	1.41	J	0.635	2.33	1	05/07/2021 07:57	WG1662844
Arsenic	13.5		0.604	2.33	1	05/07/2021 07:57	WG1662844
Barium	100		0.0994	0.583	1	05/07/2021 07:57	WG1662844
Beryllium	0.697		0.0368	0.233	1	05/07/2021 07:57	WG1662844
Cadmium	0.171	J	0.0550	0.583	1	05/07/2021 07:57	WG1662844
Calcium	4080		12.4	117	1	05/07/2021 07:57	WG1662844
Chromium	17.4		0.155	1.17	1	05/07/2021 07:57	WG1662844
Cobalt	14.9		0.0946	1.17	1	05/07/2021 07:57	WG1662844
Copper	17.3		0.467	2.33	1	05/07/2021 07:57	WG1662844
Iron	17200		2.61	11.7	1	05/07/2021 07:57	WG1662844
Lead	140		0.243	0.583	1	05/07/2021 07:57	WG1662844
Magnesium	1540		8.61	117	1	05/07/2021 07:57	WG1662844
Manganese	72.2		0.155	1.17	1	05/07/2021 07:57	WG1662844
Nickel	9.47		0.154	2.33	1	05/07/2021 07:57	WG1662844
Potassium	1330		24.4	117	1	05/07/2021 07:57	WG1662844
Selenium	1.59	J	0.891	2.33	1	05/07/2021 07:57	WG1662844
Silver	U		0.148	1.17	1	05/07/2021 07:57	WG1662844
Sodium	145		48.1	117	1	05/07/2021 07:57	WG1662844
Thallium	U		0.460	2.33	1	05/07/2021 07:57	WG1662844
Vanadium	26.3		0.590	2.33	1	05/07/2021 07:57	WG1662844
Zinc	446		0.971	5.83	1	05/07/2021 07:57	WG1662844

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0305	0.0735	1.26	05/07/2021 18:22	WG1666286
Benzene	U		0.000552	0.00147	1.26	05/07/2021 18:22	WG1666286
Bromochloromethane	U		0.000492	0.00147	1.26	05/07/2021 18:22	WG1666286
Bromodichloromethane	U		0.00107	0.00147	1.26	05/07/2021 18:22	WG1666286
Bromoform	U		0.000623	0.00147	1.26	05/07/2021 18:22	WG1666286
Bromomethane	U		0.00172	0.00735	1.26	05/07/2021 18:22	WG1666286
Carbon disulfide	U		0.00103	0.00147	1.26	05/07/2021 18:22	WG1666286
Carbon tetrachloride	U		0.000364	0.00147	1.26	05/07/2021 18:22	WG1666286
Chlorobenzene	U		0.000282	0.00147	1.26	05/07/2021 18:22	WG1666286
Chlorodibromomethane	U		0.000329	0.00147	1.26	05/07/2021 18:22	WG1666286
Chloroethane	U		0.00147	0.00735	1.26	05/07/2021 18:22	WG1666286
Chloroform	U		0.00152	0.00735	1.26	05/07/2021 18:22	WG1666286
Chloromethane	U		0.000956	0.00368	1.26	05/07/2021 18:22	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000394	0.00147	1.26	05/07/2021 18:22	WG1666286
1,2-Dibromo-3-Chloropropane	U		0.00279	0.00735	1.26	05/07/2021 18:22	WG1666286
1,2-Dibromoethane	U		0.000368	0.00147	1.26	05/07/2021 18:22	WG1666286
Dichlorodifluoromethane	U		0.000422	0.00735	1.26	05/07/2021 18:22	WG1666286
1,1-Dichloroethane	U		0.000394	0.00147	1.26	05/07/2021 18:22	WG1666286
1,2-Dichloroethane	U		0.000662	0.00147	1.26	05/07/2021 18:22	WG1666286
1,2-Dichlorobenzene	U		0.000624	0.00147	1.26	05/07/2021 18:22	WG1666286
1,3-Dichlorobenzene	U		0.000882	0.00147	1.26	05/07/2021 18:22	WG1666286
1,4-Dichlorobenzene	U		0.00123	0.00147	1.26	05/07/2021 18:22	WG1666286
1,1-Dichloroethene	U		0.000522	0.00147	1.26	05/07/2021 18:22	WG1666286
cis-1,2-Dichloroethene	U		0.000699	0.00147	1.26	05/07/2021 18:22	WG1666286
trans-1,2-Dichloroethene	U		0.000735	0.00147	1.26	05/07/2021 18:22	WG1666286
1,2-Dichloropropane	U		0.000242	0.00147	1.26	05/07/2021 18:22	WG1666286
cis-1,3-Dichloropropene	U		0.000624	0.00147	1.26	05/07/2021 18:22	WG1666286
trans-1,3-Dichloropropene	U		0.000993	0.00147	1.26	05/07/2021 18:22	WG1666286
Ethylbenzene	U		0.000441	0.00147	1.26	05/07/2021 18:22	WG1666286
2-Hexanone	U		0.00264	0.0147	1.26	05/07/2021 18:22	WG1666286
Isopropylbenzene	U		0.000624	0.00147	1.26	05/07/2021 18:22	WG1666286
2-Butanone (MEK)	U		0.00688	0.0147	1.26	05/07/2021 18:22	WG1666286
Methyl Acetate	U		0.00441	0.0294	1.26	05/07/2021 18:22	WG1666286
Methyl Cyclohexane	U		0.00114	0.00147	1.26	05/07/2021 18:22	WG1666286
Methylene Chloride	U		0.00147	0.00735	1.26	05/07/2021 18:22	WG1666286
4-Methyl-2-pentanone (MIBK)	U		0.00140	0.0147	1.26	05/07/2021 18:22	WG1666286
Methyl tert-butyl ether	U		0.000515	0.00147	1.26	05/07/2021 18:22	WG1666286
Styrene	U		0.000328	0.00147	1.26	05/07/2021 18:22	WG1666286
1,1,2,2-Tetrachloroethane	U		0.000340	0.00147	1.26	05/07/2021 18:22	WG1666286
Tetrachloroethene	U		0.000477	0.00147	1.26	05/07/2021 18:22	WG1666286
Toluene	U		0.00181	0.00735	1.26	05/07/2021 18:22	WG1666286
1,2,3-Trichlorobenzene	U		0.000450	0.00147	1.26	05/07/2021 18:22	WG1666286
1,2,4-Trichlorobenzene	U		0.000571	0.00147	1.26	05/07/2021 18:22	WG1666286
1,1,1-Trichloroethane	U		0.000544	0.00147	1.26	05/07/2021 18:22	WG1666286
1,1,2-Trichloroethane	U		0.000624	0.00147	1.26	05/07/2021 18:22	WG1666286
Trichloroethene	U		0.000294	0.00147	1.26	05/07/2021 18:22	WG1666286
Trichlorofluoromethane	U		0.000524	0.00735	1.26	05/07/2021 18:22	WG1666286
1,1,2-Trichlorotrifluoroethane	U		0.000627	0.00147	1.26	05/07/2021 18:22	WG1666286
Vinyl chloride	U		0.000333	0.00147	1.26	05/07/2021 18:22	WG1666286
Xylenes, Total	U		0.000735	0.00441	1.26	05/07/2021 18:22	WG1666286
(S) Toluene-d8	*111*			*75.0-131*		*05/07/2021 18:22*	WG1666286
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*05/07/2021 18:22*	WG1666286
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*05/07/2021 18:22*	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1.26	05/07/2021 18:22	WG1666286		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00439	0.0233	1	05/06/2021 14:14	WG1663467
Alpha BHC	U		0.00429	0.0233	1	05/06/2021 14:14	WG1663467
Beta BHC	U		0.00442	0.0233	1	05/06/2021 14:14	WG1663467
Delta BHC	U		0.00404	0.0233	1	05/06/2021 14:14	WG1663467
Gamma BHC	U		0.00401	0.0233	1	05/06/2021 14:14	WG1663467
Chlordane	U		0.120	0.350	1	05/06/2021 14:14	WG1663467
4,4-DDD	U		0.00432	0.0233	1	05/06/2021 14:14	WG1663467
4,4-DDE	U		0.00427	0.0233	1	05/06/2021 14:14	WG1663467
4,4-DDT	U		0.00732	0.0233	1	05/06/2021 14:14	WG1663467
Dieldrin	U		0.00401	0.0233	1	05/06/2021 14:14	WG1663467
Endosulfan I	U		0.00424	0.0233	1	05/06/2021 14:14	WG1663467
Endosulfan II	U		0.00391	0.0233	1	05/06/2021 14:14	WG1663467
Endosulfan sulfate	U		0.00425	0.0233	1	05/06/2021 14:14	WG1663467
Endrin	U		0.00408	0.0233	1	05/06/2021 14:14	WG1663467
Endrin aldehyde	U		0.00396	0.0233	1	05/06/2021 14:14	WG1663467
Endrin ketone	U		0.00830	0.0233	1	05/06/2021 14:14	WG1663467
Hexachlorobenzene	U		0.00404	0.0233	1	05/06/2021 14:14	WG1663467
Heptachlor	U		0.00499	0.0233	1	05/06/2021 14:14	WG1663467
Heptachlor epoxide	U		0.00396	0.0233	1	05/06/2021 14:14	WG1663467
Methoxychlor	U		0.00565	0.0233	1	05/06/2021 14:14	WG1663467
Toxaphene	U		0.145	0.467	1	05/06/2021 14:14	WG1663467
(S) Decachlorobiphenyl	*83.1*			*30.0-150*		*05/06/2021 14:14*	WG1663467
(S) Tetrachloro-m-xylene	*81.6*			*30.0-150*		*05/06/2021 14:14*	WG1663467

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0138	0.0397	1	05/05/2021 17:14	WG1663467
PCB 1221	U		0.0138	0.0397	1	05/05/2021 17:14	WG1663467
PCB 1232	U		0.0138	0.0397	1	05/05/2021 17:14	WG1663467
PCB 1242	U		0.0138	0.0397	1	05/05/2021 17:14	WG1663467
PCB 1248	U		0.00861	0.0198	1	05/05/2021 17:14	WG1663467
PCB 1254	U		0.00861	0.0198	1	05/05/2021 17:14	WG1663467
PCB 1260	U		0.00861	0.0198	1	05/05/2021 17:14	WG1663467
Total PCBs	U		0.00861	0.0198	1	05/05/2021 17:14	WG1663467
(S) Decachlorobiphenyl	*86.7*			*30.0-150*		*05/05/2021 17:14*	WG1663467
(S) Tetrachloro-m-xylene	*80.3*			*30.0-150*		*05/05/2021 17:14*	WG1663467

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	0.0113	J J4	0.00629	0.0389	1	05/08/2021 19:50	WG1666711
Acenaphthylene	0.0148	J J4	0.00547	0.0389	1	05/08/2021 19:50	WG1666711
Acetophenone	0.0154	J J4	0.0121	0.389	1	05/08/2021 19:50	WG1666711
Anthracene	0.0573	J4	0.00692	0.0389	1	05/08/2021 19:50	WG1666711
Atrazine	U		0.0134	0.389	1	05/08/2021 19:50	WG1666711
Benzaldehyde	U		0.0207	0.389	1	05/08/2021 19:50	WG1666711
Benzo(a)anthracene	0.317	J4	0.00685	0.0389	1	05/08/2021 19:50	WG1666711
Benzo(b)fluoranthene	0.401	J4	0.00725	0.0389	1	05/08/2021 19:50	WG1666711
Benzo(k)fluoranthene	0.145	J4	0.00691	0.0389	1	05/08/2021 19:50	WG1666711
Benzo(g,h,i)perylene	0.161	J4	0.00711	0.0389	1	05/08/2021 19:50	WG1666711
Benzo(a)pyrene	0.278	J4	0.00722	0.0389	1	05/08/2021 19:50	WG1666711
Biphenyl	U	J4	0.0124	0.389	1	05/08/2021 19:50	WG1666711
Bis(2-chlorethoxy)methane	U	J4	0.0117	0.389	1	05/08/2021 19:50	WG1666711
Bis(2-chloroethyl)ether	U	J4	0.0128	0.389	1	05/08/2021 19:50	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0168	0.389	1	05/08/2021 19:50	WG1666711
4-Bromophenyl-phenylether	U	J4	0.0137	0.389	1	05/08/2021 19:50	WG1666711
Caprolactam	U		0.0193	0.389	1	05/08/2021 19:50	WG1666711
Carbazole	0.0399	J J4	0.0120	0.389	1	05/08/2021 19:50	WG1666711
4-Chloroaniline	U	J4	0.0140	0.389	1	05/08/2021 19:50	WG1666711
2-Chloronaphthalene	U	J4	0.00683	0.0389	1	05/08/2021 19:50	WG1666711
4-Chlorophenyl-phenylether	U	J4	0.0135	0.389	1	05/08/2021 19:50	WG1666711
Chrysene	0.384	J4	0.00772	0.0389	1	05/08/2021 19:50	WG1666711
Dibenz(a,h)anthracene	0.0476	J4	0.0108	0.0389	1	05/08/2021 19:50	WG1666711
Dibenzofuran	0.0251	J J4	0.0127	0.389	1	05/08/2021 19:50	WG1666711
3,3-Dichlorobenzidine	U	J4	0.0144	0.389	1	05/08/2021 19:50	WG1666711
2,4-Dinitrotoluene	U		0.0111	0.389	1	05/08/2021 19:50	WG1666711
2,6-Dinitrotoluene	U	J4	0.0127	0.389	1	05/08/2021 19:50	WG1666711
Fluoranthene	0.596	J4	0.00701	0.0389	1	05/08/2021 19:50	WG1666711
Fluorene	0.0100	J J4	0.00632	0.0389	1	05/08/2021 19:50	WG1666711
Hexachlorobenzene	U	J4	0.0138	0.389	1	05/08/2021 19:50	WG1666711
Hexachloro-1,3-butadiene	U	J4	0.0131	0.389	1	05/08/2021 19:50	WG1666711
Hexachlorocyclopentadiene	U		0.0204	0.389	1	05/08/2021 19:50	WG1666711
Hexachloroethane	U		0.0153	0.389	1	05/08/2021 19:50	WG1666711
Indeno(1,2,3-cd)pyrene	0.181	J4	0.0110	0.0389	1	05/08/2021 19:50	WG1666711
Isophorone	U	J4	0.0119	0.389	1	05/08/2021 19:50	WG1666711
2-Methylnaphthalene	0.0228	J J4	0.00504	0.0389	1	05/08/2021 19:50	WG1666711
Naphthalene	0.0301	J J4	0.00975	0.0389	1	05/08/2021 19:50	WG1666711
2-Nitroaniline	U	J4	0.0125	0.389	1	05/08/2021 19:50	WG1666711
3-Nitroaniline	U	J4	0.0124	0.389	1	05/08/2021 19:50	WG1666711
4-Nitroaniline	U		0.0113	0.389	1	05/08/2021 19:50	WG1666711
Nitrobenzene	U	J4	0.0135	0.389	1	05/08/2021 19:50	WG1666711
n-Nitrosodiphenylamine	U		0.0294	0.389	1	05/08/2021 19:50	WG1666711
n-Nitrosodi-n-propylamine	U	J4	0.0130	0.389	1	05/08/2021 19:50	WG1666711
Phenanthrene	0.365	J4	0.00771	0.0389	1	05/08/2021 19:50	WG1666711
Benzylbutyl phthalate	U	J4	0.0121	0.389	1	05/08/2021 19:50	WG1666711
Bis(2-ethylhexyl)phthalate	U	J4	0.0492	0.389	1	05/08/2021 19:50	WG1666711
Di-n-butyl phthalate	U	J4	0.0133	0.389	1	05/08/2021 19:50	WG1666711
Diethyl phthalate	U	J4	0.0128	0.389	1	05/08/2021 19:50	WG1666711
Dimethyl phthalate	U	J4	0.0824	0.389	1	05/08/2021 19:50	WG1666711
Di-n-octyl phthalate	U	J4	0.0263	0.389	1	05/08/2021 19:50	WG1666711
Pyrene	0.496	J4	0.00756	0.0389	1	05/08/2021 19:50	WG1666711
1,2,4,5-Tetrachlorobenzene	U		0.0186	0.389	1	05/08/2021 19:50	WG1666711
4-Chloro-3-methylphenol	U	J4	0.0126	0.389	1	05/08/2021 19:50	WG1666711
2-Chlorophenol	U	J4	0.0128	0.389	1	05/08/2021 19:50	WG1666711
2-Methylphenol	U	J4	0.0117	0.389	1	05/08/2021 19:50	WG1666711
3&4-Methyl Phenol	U		0.0121	0.389	1	05/08/2021 19:50	WG1666711
2,4-Dichlorophenol	U	J4	0.0113	0.389	1	05/08/2021 19:50	WG1666711
2,4-Dimethylphenol	U	J4	0.0102	0.389	1	05/08/2021 19:50	WG1666711
4,6-Dinitro-2-methylphenol	U	J4	0.0881	0.389	1	05/08/2021 19:50	WG1666711
2,4-Dinitrophenol	U		0.0909	0.389	1	05/08/2021 19:50	WG1666711
2-Nitrophenol	U	J4	0.0139	0.389	1	05/08/2021 19:50	WG1666711
4-Nitrophenol	U		0.0121	0.389	1	05/08/2021 19:50	WG1666711
Pentachlorophenol	U		0.0105	0.389	1	05/08/2021 19:50	WG1666711
Phenol	U		0.0156	0.389	1	05/08/2021 19:50	WG1666711
2,4,5-Trichlorophenol	U	J4	0.0132	0.389	1	05/08/2021 19:50	WG1666711
2,4,6-Trichlorophenol	U	J4	0.0125	0.389	1	05/08/2021 19:50	WG1666711
(S) 2-Fluorophenol	*58.9*			*30.0-130*		*05/08/2021 19:50*	WG1666711
(S) Phenol-d5	*55.2*			*30.0-130*		*05/08/2021 19:50*	WG1666711
(S) Nitrobenzene-d5	*49.1*			*30.0-130*		*05/08/2021 19:50*	WG1666711
(S) 2-Fluorobiphenyl	*64.1*			*30.0-130*		*05/08/2021 19:50*	WG1666711

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*79.6*			*30.0-130*		*05/08/2021 19:50*	WG1666711
(S) p-Terphenyl-d14	*64.7*			*30.0-130*		*05/08/2021 19:50*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	2.01	J N	0.000	0.000	1	05/08/2021 19:50	WG1666711		
Benzo[E]Pyrene	0.284	J N	0.000	0.000	1	05/08/2021 19:50	WG1666711	000192-97-2	10.55
Unknown-01	0.246	J N	0.000	0.000	1	05/08/2021 19:50	WG1666711	000123-42-2	2.21
2-Phenylnaphthalene	0.182	J N	0.000	0.000	1	05/08/2021 19:50	WG1666711	035465-71-5	6.57
Phenanthrene, 4-Methyl-	0.173	J N	0.000	0.000	1	05/08/2021 19:50	WG1666711	000832-64-4	6.35
Unknown-04	0.131	J N	0.000	0.000	1	05/08/2021 19:50	WG1666711	000638-95-9	14.06
Unknown-03	0.127	J N	0.000	0.000	1	05/08/2021 19:50	WG1666711	024503-54-6	13.82
Anthracene, 1-Methyl-	0.112	J N	0.000	0.000	1	05/08/2021 19:50	WG1666711	000610-48-0	6.42
Heptadecane	0.110	J N	0.000	0.000	1	05/08/2021 19:50	WG1666711	000629-78-7	5.52
Pentadecane	0.106	J N	0.000	0.000	1	05/08/2021 19:50	WG1666711	000629-62-9	6.83
Phenanthrene, 2,5-Dimethyl-	0.103	J N	0.000	0.000	1	05/08/2021 19:50	WG1666711	003674-66-6	6.77
Phenanthrene, 2-Methyl-	0.0998	J N	0.000	0.000	1	05/08/2021 19:50	WG1666711	002531-84-2	6.33
Nonadecane	0.0946	J N	0.000	0.000	1	05/08/2021 19:50	WG1666711	000629-92-5	6.19
Decane, 2,6,7-Trimethyl-	0.0795	J N	0.000	0.000	1	05/08/2021 19:50	WG1666711	062108-25-2	3.98
Unknown-02	0.0790	J N	0.000	0.000	1	05/08/2021 19:50	WG1666711	000611-45-0	6.95
7H-Benz[De]Anthracen-7-One	0.0788	J N	0.000	0.000	1	05/08/2021 19:50	WG1666711	000082-05-3	7.94

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	05/04/2021 14:01	WG1664019

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0792	0.270	1	05/11/2021 19:04	WG1668185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.127		0.0195	0.0432	1	05/06/2021 16:09	WG1662823

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	4000		6.57	10.8	1	05/07/2021 07:59	WG1662844
Antimony	U		0.588	2.16	1	05/07/2021 07:59	WG1662844
Arsenic	9.15		0.560	2.16	1	05/07/2021 07:59	WG1662844
Barium	25.5		0.0921	0.540	1	05/07/2021 07:59	WG1662844
Beryllium	0.304		0.0340	0.216	1	05/07/2021 07:59	WG1662844
Cadmium	0.341	J	0.0509	0.540	1	05/07/2021 07:59	WG1662844
Calcium	816		11.5	108	1	05/07/2021 07:59	WG1662844
Chromium	9.56		0.144	1.08	1	05/07/2021 07:59	WG1662844
Cobalt	3.57		0.0876	1.08	1	05/07/2021 07:59	WG1662844
Copper	7.69		0.432	2.16	1	05/07/2021 07:59	WG1662844
Iron	7470		2.42	10.8	1	05/07/2021 07:59	WG1662844
Lead	104		0.225	0.540	1	05/07/2021 07:59	WG1662844
Magnesium	912		7.98	108	1	05/07/2021 07:59	WG1662844
Manganese	71.1		0.144	1.08	1	05/07/2021 07:59	WG1662844
Nickel	5.19		0.143	2.16	1	05/07/2021 07:59	WG1662844
Potassium	764		22.6	108	1	05/07/2021 07:59	WG1662844
Selenium	U		0.826	2.16	1	05/07/2021 07:59	WG1662844
Silver	U		0.137	1.08	1	05/07/2021 07:59	WG1662844
Sodium	106	J	44.5	108	1	05/07/2021 07:59	WG1662844
Thallium	U		0.426	2.16	1	05/07/2021 07:59	WG1662844
Vanadium	15.3		0.547	2.16	1	05/07/2021 07:59	WG1662844
Zinc	103		0.899	5.40	1	05/07/2021 07:59	WG1662844

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0224	0.0540	1	05/07/2021 18:44	WG1666286
Benzene	U		0.000405	0.00108	1	05/07/2021 18:44	WG1666286
Bromochloromethane	U		0.000362	0.00108	1	05/07/2021 18:44	WG1666286
Bromodichloromethane	U		0.000784	0.00108	1	05/07/2021 18:44	WG1666286
Bromoform	U		0.000458	0.00108	1	05/07/2021 18:44	WG1666286
Bromomethane	U		0.00126	0.00540	1	05/07/2021 18:44	WG1666286
Carbon disulfide	U		0.000757	0.00108	1	05/07/2021 18:44	WG1666286
Carbon tetrachloride	U		0.000268	0.00108	1	05/07/2021 18:44	WG1666286
Chlorobenzene	U		0.000207	0.00108	1	05/07/2021 18:44	WG1666286
Chlorodibromomethane	U		0.000242	0.00108	1	05/07/2021 18:44	WG1666286
Chloroethane	U		0.00108	0.00540	1	05/07/2021 18:44	WG1666286
Chloroform	U		0.00111	0.00540	1	05/07/2021 18:44	WG1666286
Chloromethane	U		0.000702	0.00270	1	05/07/2021 18:44	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000290	0.00108	1	05/07/2021 18:44	WG1666286
1,2-Dibromo-3-Chloropropane	U		0.00205	0.00540	1	05/07/2021 18:44	WG1666286
1,2-Dibromoethane	U		0.000270	0.00108	1	05/07/2021 18:44	WG1666286
Dichlorodifluoromethane	U		0.000310	0.00540	1	05/07/2021 18:44	WG1666286
1,1-Dichloroethane	U		0.000290	0.00108	1	05/07/2021 18:44	WG1666286
1,2-Dichloroethane	U		0.000486	0.00108	1	05/07/2021 18:44	WG1666286
1,2-Dichlorobenzene	U		0.000459	0.00108	1	05/07/2021 18:44	WG1666286
1,3-Dichlorobenzene	U		0.000648	0.00108	1	05/07/2021 18:44	WG1666286
1,4-Dichlorobenzene	U		0.000897	0.00108	1	05/07/2021 18:44	WG1666286
1,1-Dichloroethene	U		0.000384	0.00108	1	05/07/2021 18:44	WG1666286
cis-1,2-Dichloroethene	U		0.000513	0.00108	1	05/07/2021 18:44	WG1666286
trans-1,2-Dichloroethene	U		0.000540	0.00108	1	05/07/2021 18:44	WG1666286
1,2-Dichloropropane	U		0.000177	0.00108	1	05/07/2021 18:44	WG1666286
cis-1,3-Dichloropropene	U		0.000459	0.00108	1	05/07/2021 18:44	WG1666286
trans-1,3-Dichloropropene	U		0.000729	0.00108	1	05/07/2021 18:44	WG1666286
Ethylbenzene	U		0.000324	0.00108	1	05/07/2021 18:44	WG1666286
2-Hexanone	U		0.00193	0.0108	1	05/07/2021 18:44	WG1666286
Isopropylbenzene	U		0.000459	0.00108	1	05/07/2021 18:44	WG1666286
2-Butanone (MEK)	U		0.00506	0.0108	1	05/07/2021 18:44	WG1666286
Methyl Acetate	0.00378	J	0.00324	0.0216	1	05/07/2021 18:44	WG1666286
Methyl Cyclohexane	U		0.000838	0.00108	1	05/07/2021 18:44	WG1666286
Methylene Chloride	U		0.00108	0.00540	1	05/07/2021 18:44	WG1666286
4-Methyl-2-pentanone (MIBK)	U		0.00103	0.0108	1	05/07/2021 18:44	WG1666286
Methyl tert-butyl ether	U		0.000378	0.00108	1	05/07/2021 18:44	WG1666286
Styrene	U		0.000241	0.00108	1	05/07/2021 18:44	WG1666286
1,1,2,2-Tetrachloroethane	U		0.000250	0.00108	1	05/07/2021 18:44	WG1666286
Tetrachloroethene	U		0.000351	0.00108	1	05/07/2021 18:44	WG1666286
Toluene	U		0.00133	0.00540	1	05/07/2021 18:44	WG1666286
1,2,3-Trichlorobenzene	U		0.000331	0.00108	1	05/07/2021 18:44	WG1666286
1,2,4-Trichlorobenzene	U		0.000419	0.00108	1	05/07/2021 18:44	WG1666286
1,1,1-Trichloroethane	U		0.000400	0.00108	1	05/07/2021 18:44	WG1666286
1,1,2-Trichloroethane	U		0.000459	0.00108	1	05/07/2021 18:44	WG1666286
Trichloroethene	U		0.000216	0.00108	1	05/07/2021 18:44	WG1666286
Trichlorofluoromethane	U		0.000385	0.00540	1	05/07/2021 18:44	WG1666286
1,1,2-Trichlorotrifluoroethane	U		0.000460	0.00108	1	05/07/2021 18:44	WG1666286
Vinyl chloride	U		0.000244	0.00108	1	05/07/2021 18:44	WG1666286
Xylenes, Total	U		0.000540	0.00324	1	05/07/2021 18:44	WG1666286
(S) Toluene-d8	*112*			*75.0-131*		*05/07/2021 18:44*	WG1666286
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/07/2021 18:44*	WG1666286
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*05/07/2021 18:44*	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.00282	J N	0.000	0.000	1	05/07/2021 18:44	WG1666286		
Cyclopentane	0.00282	J N	0.000	0.000	1	05/07/2021 18:44	WG1666286	000287-92-3	2.64

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00406	0.0216	1	05/06/2021 14:29	WG1663467
Alpha BHC	U		0.00398	0.0216	1	05/06/2021 14:29	WG1663467
Beta BHC	U		0.00410	0.0216	1	05/06/2021 14:29	WG1663467
Delta BHC	U		0.00374	0.0216	1	05/06/2021 14:29	WG1663467
Gamma BHC	U		0.00372	0.0216	1	05/06/2021 14:29	WG1663467
Chlordane	U		0.111	0.324	1	05/06/2021 14:29	WG1663467
4,4-DDD	U		0.00400	0.0216	1	05/06/2021 14:29	WG1663467
4,4-DDE	U		0.00396	0.0216	1	05/06/2021 14:29	WG1663467
4,4-DDT	U		0.00678	0.0216	1	05/06/2021 14:29	WG1663467
Dieldrin	U		0.00372	0.0216	1	05/06/2021 14:29	WG1663467
Endosulfan I	U		0.00392	0.0216	1	05/06/2021 14:29	WG1663467
Endosulfan II	U		0.00362	0.0216	1	05/06/2021 14:29	WG1663467
Endosulfan sulfate	U		0.00393	0.0216	1	05/06/2021 14:29	WG1663467
Endrin	U		0.00378	0.0216	1	05/06/2021 14:29	WG1663467
Endrin aldehyde	U		0.00366	0.0216	1	05/06/2021 14:29	WG1663467
Endrin ketone	U		0.00768	0.0216	1	05/06/2021 14:29	WG1663467
Hexachlorobenzene	U		0.00374	0.0216	1	05/06/2021 14:29	WG1663467
Heptachlor	U		0.00463	0.0216	1	05/06/2021 14:29	WG1663467
Heptachlor epoxide	U		0.00366	0.0216	1	05/06/2021 14:29	WG1663467
Methoxychlor	U		0.00523	0.0216	1	05/06/2021 14:29	WG1663467
Toxaphene	U		0.134	0.432	1	05/06/2021 14:29	WG1663467
(S) Decachlorobiphenyl	*81.8*			*30.0-150*		*05/06/2021 14:29*	WG1663467
(S) Tetrachloro-m-xylene	*86.2*			*30.0-150*		*05/06/2021 14:29*	WG1663467

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0128	0.0367	1	05/05/2021 17:24	WG1663467
PCB 1221	U		0.0128	0.0367	1	05/05/2021 17:24	WG1663467
PCB 1232	U		0.0128	0.0367	1	05/05/2021 17:24	WG1663467
PCB 1242	U		0.0128	0.0367	1	05/05/2021 17:24	WG1663467
PCB 1248	U		0.00798	0.0184	1	05/05/2021 17:24	WG1663467
PCB 1254	U		0.00798	0.0184	1	05/05/2021 17:24	WG1663467
PCB 1260	U		0.00798	0.0184	1	05/05/2021 17:24	WG1663467
Total PCBs	U		0.00798	0.0184	1	05/05/2021 17:24	WG1663467
(S) Decachlorobiphenyl	*84.7*			*30.0-150*		*05/05/2021 17:24*	WG1663467
(S) Tetrachloro-m-xylene	*83.3*			*30.0-150*		*05/05/2021 17:24*	WG1663467

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00583	0.0360	1	05/08/2021 17:03	WG1666711
Acenaphthylene	U	J4	0.00507	0.0360	1	05/08/2021 17:03	WG1666711
Acetophenone	U	J4	0.0112	0.360	1	05/08/2021 17:03	WG1666711
Anthracene	U	J4	0.00641	0.0360	1	05/08/2021 17:03	WG1666711
Atrazine	U		0.0124	0.360	1	05/08/2021 17:03	WG1666711
Benzaldehyde	U		0.0191	0.360	1	05/08/2021 17:03	WG1666711
Benzo(a)anthracene	U	J4	0.00634	0.0360	1	05/08/2021 17:03	WG1666711
Benzo(b)fluoranthene	0.00829	J J4	0.00671	0.0360	1	05/08/2021 17:03	WG1666711
Benzo(k)fluoranthene	U	J4	0.00640	0.0360	1	05/08/2021 17:03	WG1666711
Benzo(g,h,i)perylene	U	J4	0.00658	0.0360	1	05/08/2021 17:03	WG1666711
Benzo(a)pyrene	U	J4	0.00669	0.0360	1	05/08/2021 17:03	WG1666711
Biphenyl	U	J4	0.0115	0.360	1	05/08/2021 17:03	WG1666711
Bis(2-chlorethoxy)methane	U	J4	0.0108	0.360	1	05/08/2021 17:03	WG1666711
Bis(2-chloroethyl)ether	U	J4	0.0119	0.360	1	05/08/2021 17:03	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0156	0.360	1	05/08/2021 17:03	WG1666711
4-Bromophenyl-phenylether	U	J4	0.0126	0.360	1	05/08/2021 17:03	WG1666711
Caprolactam	U		0.0178	0.360	1	05/08/2021 17:03	WG1666711
Carbazole	U	J4	0.0111	0.360	1	05/08/2021 17:03	WG1666711
4-Chloroaniline	U	J4	0.0130	0.360	1	05/08/2021 17:03	WG1666711
2-Chloronaphthalene	U	J4	0.00632	0.0360	1	05/08/2021 17:03	WG1666711
4-Chlorophenyl-phenylether	U	J4	0.0125	0.360	1	05/08/2021 17:03	WG1666711
Chrysene	U	J4	0.00715	0.0360	1	05/08/2021 17:03	WG1666711
Dibenz(a,h)anthracene	U	J4	0.00998	0.0360	1	05/08/2021 17:03	WG1666711
Dibenzofuran	U	J4	0.0118	0.360	1	05/08/2021 17:03	WG1666711
3,3-Dichlorobenzidine	U	J4	0.0133	0.360	1	05/08/2021 17:03	WG1666711
2,4-Dinitrotoluene	U		0.0103	0.360	1	05/08/2021 17:03	WG1666711
2,6-Dinitrotoluene	U	J4	0.0118	0.360	1	05/08/2021 17:03	WG1666711
Fluoranthene	U	J4	0.00650	0.0360	1	05/08/2021 17:03	WG1666711
Fluorene	U	J4	0.00586	0.0360	1	05/08/2021 17:03	WG1666711
Hexachlorobenzene	U	J4	0.0128	0.360	1	05/08/2021 17:03	WG1666711
Hexachloro-1,3-butadiene	U	J4	0.0121	0.360	1	05/08/2021 17:03	WG1666711
Hexachlorocyclopentadiene	U		0.0189	0.360	1	05/08/2021 17:03	WG1666711
Hexachloroethane	U		0.0142	0.360	1	05/08/2021 17:03	WG1666711
Indeno(1,2,3-cd)pyrene	U	J4	0.0102	0.0360	1	05/08/2021 17:03	WG1666711
Isophorone	U	J4	0.0110	0.360	1	05/08/2021 17:03	WG1666711
2-Methylnaphthalene	U	J4	0.00467	0.0360	1	05/08/2021 17:03	WG1666711
Naphthalene	U	J4	0.00903	0.0360	1	05/08/2021 17:03	WG1666711
2-Nitroaniline	U	J4	0.0116	0.360	1	05/08/2021 17:03	WG1666711
3-Nitroaniline	U	J4	0.0115	0.360	1	05/08/2021 17:03	WG1666711
4-Nitroaniline	U		0.0105	0.360	1	05/08/2021 17:03	WG1666711
Nitrobenzene	U	J4	0.0125	0.360	1	05/08/2021 17:03	WG1666711
n-Nitrosodiphenylamine	U		0.0272	0.360	1	05/08/2021 17:03	WG1666711
n-Nitrosodi-n-propylamine	U	J4	0.0120	0.360	1	05/08/2021 17:03	WG1666711
Phenanthrene	U	J4	0.00714	0.0360	1	05/08/2021 17:03	WG1666711
Benzylbutyl phthalate	U	J4	0.0112	0.360	1	05/08/2021 17:03	WG1666711
Bis(2-ethylhexyl)phthalate	U	J4	0.0456	0.360	1	05/08/2021 17:03	WG1666711
Di-n-butyl phthalate	U	J4	0.0123	0.360	1	05/08/2021 17:03	WG1666711
Diethyl phthalate	U	J4	0.0119	0.360	1	05/08/2021 17:03	WG1666711
Dimethyl phthalate	U	J4	0.0763	0.360	1	05/08/2021 17:03	WG1666711
Di-n-octyl phthalate	U	J4	0.0243	0.360	1	05/08/2021 17:03	WG1666711
Pyrene	U	J4	0.00700	0.0360	1	05/08/2021 17:03	WG1666711
1,2,4,5-Tetrachlorobenzene	U		0.0172	0.360	1	05/08/2021 17:03	WG1666711
4-Chloro-3-methylphenol	U	J4	0.0117	0.360	1	05/08/2021 17:03	WG1666711
2-Chlorophenol	U	J4	0.0119	0.360	1	05/08/2021 17:03	WG1666711
2-Methylphenol	U	J4	0.0108	0.360	1	05/08/2021 17:03	WG1666711
3&4-Methyl Phenol	U		0.0112	0.360	1	05/08/2021 17:03	WG1666711
2,4-Dichlorophenol	U	J4	0.0105	0.360	1	05/08/2021 17:03	WG1666711
2,4-Dimethylphenol	U	J4	0.00940	0.360	1	05/08/2021 17:03	WG1666711
4,6-Dinitro-2-methylphenol	U	J4	0.0816	0.360	1	05/08/2021 17:03	WG1666711
2,4-Dinitrophenol	U		0.0842	0.360	1	05/08/2021 17:03	WG1666711
2-Nitrophenol	U	J4	0.0129	0.360	1	05/08/2021 17:03	WG1666711
4-Nitrophenol	U		0.0112	0.360	1	05/08/2021 17:03	WG1666711
Pentachlorophenol	U		0.00968	0.360	1	05/08/2021 17:03	WG1666711
Phenol	U		0.0145	0.360	1	05/08/2021 17:03	WG1666711
2,4,5-Trichlorophenol	U	J4	0.0122	0.360	1	05/08/2021 17:03	WG1666711
2,4,6-Trichlorophenol	U	J4	0.0116	0.360	1	05/08/2021 17:03	WG1666711
(S) 2-Fluorophenol	*61.6*			*30.0-130*		*05/08/2021 17:03*	WG1666711
(S) Phenol-d5	*58.0*			*30.0-130*		*05/08/2021 17:03*	WG1666711
(S) Nitrobenzene-d5	*52.8*			*30.0-130*		*05/08/2021 17:03*	WG1666711
(S) 2-Fluorobiphenyl	*67.3*			*30.0-130*		*05/08/2021 17:03*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*85.0*			*30.0-130*		*05/08/2021 17:03*	WG1666711
(S) p-Terphenyl-d14	*64.5*			*30.0-130*		*05/08/2021 17:03*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.275	J N	0.000	0.000	1	05/08/2021 17:03	WG1666711		
Unknown-01	0.231	J N	0.000	0.000	1	05/08/2021 17:03	WG1666711	000123-42-2	2.21
1-Nonadecanol	0.0433	J N	0.000	0.000	1	05/08/2021 17:03	WG1666711	001454-84-8	8.32

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.5		1	05/04/2021 14:01	WG1664019

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0792	0.270	1	05/11/2021 19:08	WG1668185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.624		0.0195	0.0432	1	05/06/2021 16:12	WG1662823

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	4450		6.57	10.8	1	05/07/2021 08:02	WG1662844
Antimony	U		0.588	2.16	1	05/07/2021 08:02	WG1662844
Arsenic	2.48		0.560	2.16	1	05/07/2021 08:02	WG1662844
Barium	47.7		0.0921	0.540	1	05/07/2021 08:02	WG1662844
Beryllium	0.313		0.0340	0.216	1	05/07/2021 08:02	WG1662844
Cadmium	U		0.0509	0.540	1	05/07/2021 08:02	WG1662844
Calcium	603		11.5	108	1	05/07/2021 08:02	WG1662844
Chromium	9.21		0.144	1.08	1	05/07/2021 08:02	WG1662844
Cobalt	1.97		0.0877	1.08	1	05/07/2021 08:02	WG1662844
Copper	10.4		0.432	2.16	1	05/07/2021 08:02	WG1662844
Iron	8440		2.42	10.8	1	05/07/2021 08:02	WG1662844
Lead	67.9		0.225	0.540	1	05/07/2021 08:02	WG1662844
Magnesium	887		7.98	108	1	05/07/2021 08:02	WG1662844
Manganese	134		0.144	1.08	1	05/07/2021 08:02	WG1662844
Nickel	5.47		0.143	2.16	1	05/07/2021 08:02	WG1662844
Potassium	684		22.6	108	1	05/07/2021 08:02	WG1662844
Selenium	U		0.826	2.16	1	05/07/2021 08:02	WG1662844
Silver	U		0.137	1.08	1	05/07/2021 08:02	WG1662844
Sodium	93.3	J	44.5	108	1	05/07/2021 08:02	WG1662844
Thallium	U		0.426	2.16	1	05/07/2021 08:02	WG1662844
Vanadium	10.5		0.547	2.16	1	05/07/2021 08:02	WG1662844
Zinc	27.2		0.899	5.40	1	05/07/2021 08:02	WG1662844

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0408	J	0.0280	0.0676	1.25	05/07/2021 19:06	WG1666286
Benzene	U		0.000507	0.00135	1.25	05/07/2021 19:06	WG1666286
Bromochloromethane	U		0.000453	0.00135	1.25	05/07/2021 19:06	WG1666286
Bromodichloromethane	U		0.000979	0.00135	1.25	05/07/2021 19:06	WG1666286
Bromoform	U		0.000573	0.00135	1.25	05/07/2021 19:06	WG1666286
Bromomethane	U		0.00158	0.00676	1.25	05/07/2021 19:06	WG1666286
Carbon disulfide	U		0.000946	0.00135	1.25	05/07/2021 19:06	WG1666286
Carbon tetrachloride	U		0.000335	0.00135	1.25	05/07/2021 19:06	WG1666286
Chlorobenzene	U		0.000259	0.00135	1.25	05/07/2021 19:06	WG1666286
Chlorodibromomethane	U		0.000303	0.00135	1.25	05/07/2021 19:06	WG1666286
Chloroethane	U		0.00135	0.00676	1.25	05/07/2021 19:06	WG1666286
Chloroform	U		0.00139	0.00676	1.25	05/07/2021 19:06	WG1666286
Chloromethane	U		0.000879	0.00338	1.25	05/07/2021 19:06	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000362	0.00135	1.25	05/07/2021 19:06	WG1666286
1,2-Dibromo-3-Chloropropane	U		0.00257	0.00676	1.25	05/07/2021 19:06	WG1666286
1,2-Dibromoethane	U		0.000338	0.00135	1.25	05/07/2021 19:06	WG1666286
Dichlorodifluoromethane	U		0.000388	0.00676	1.25	05/07/2021 19:06	WG1666286
1,1-Dichloroethane	U		0.000362	0.00135	1.25	05/07/2021 19:06	WG1666286
1,2-Dichloroethane	U		0.000609	0.00135	1.25	05/07/2021 19:06	WG1666286
1,2-Dichlorobenzene	U		0.000574	0.00135	1.25	05/07/2021 19:06	WG1666286
1,3-Dichlorobenzene	U		0.000811	0.00135	1.25	05/07/2021 19:06	WG1666286
1,4-Dichlorobenzene	U		0.00112	0.00135	1.25	05/07/2021 19:06	WG1666286
1,1-Dichloroethene	U		0.000480	0.00135	1.25	05/07/2021 19:06	WG1666286
cis-1,2-Dichloroethene	U		0.000642	0.00135	1.25	05/07/2021 19:06	WG1666286
trans-1,2-Dichloroethene	U		0.000676	0.00135	1.25	05/07/2021 19:06	WG1666286
1,2-Dichloropropane	U		0.000222	0.00135	1.25	05/07/2021 19:06	WG1666286
cis-1,3-Dichloropropene	U		0.000574	0.00135	1.25	05/07/2021 19:06	WG1666286
trans-1,3-Dichloropropene	U		0.000912	0.00135	1.25	05/07/2021 19:06	WG1666286
Ethylbenzene	U		0.000405	0.00135	1.25	05/07/2021 19:06	WG1666286
2-Hexanone	U		0.00242	0.0135	1.25	05/07/2021 19:06	WG1666286
Isopropylbenzene	U		0.000574	0.00135	1.25	05/07/2021 19:06	WG1666286
2-Butanone (MEK)	U		0.00632	0.0135	1.25	05/07/2021 19:06	WG1666286
Methyl Acetate	0.0197	J	0.00405	0.0270	1.25	05/07/2021 19:06	WG1666286
Methyl Cyclohexane	U		0.00105	0.00135	1.25	05/07/2021 19:06	WG1666286
Methylene Chloride	U		0.00135	0.00676	1.25	05/07/2021 19:06	WG1666286
4-Methyl-2-pentanone (MIBK)	U		0.00129	0.0135	1.25	05/07/2021 19:06	WG1666286
Methyl tert-butyl ether	U		0.000473	0.00135	1.25	05/07/2021 19:06	WG1666286
Styrene	U		0.000302	0.00135	1.25	05/07/2021 19:06	WG1666286
1,1,2,2-Tetrachloroethane	U		0.000312	0.00135	1.25	05/07/2021 19:06	WG1666286
Tetrachloroethene	U		0.000439	0.00135	1.25	05/07/2021 19:06	WG1666286
Toluene	U		0.00166	0.00676	1.25	05/07/2021 19:06	WG1666286
1,2,3-Trichlorobenzene	U		0.000414	0.00135	1.25	05/07/2021 19:06	WG1666286
1,2,4-Trichlorobenzene	U		0.000524	0.00135	1.25	05/07/2021 19:06	WG1666286
1,1,1-Trichloroethane	U		0.000500	0.00135	1.25	05/07/2021 19:06	WG1666286
1,1,2-Trichloroethane	U		0.000574	0.00135	1.25	05/07/2021 19:06	WG1666286
Trichloroethene	U		0.000270	0.00135	1.25	05/07/2021 19:06	WG1666286
Trichlorofluoromethane	U		0.000481	0.00676	1.25	05/07/2021 19:06	WG1666286
1,1,2-Trichlorotrifluoroethane	U		0.000575	0.00135	1.25	05/07/2021 19:06	WG1666286
Vinyl chloride	U		0.000305	0.00135	1.25	05/07/2021 19:06	WG1666286
Xylenes, Total	U		0.000676	0.00405	1.25	05/07/2021 19:06	WG1666286
(S) Toluene-d8	*110*			*75.0-131*		*05/07/2021 19:06*	WG1666286
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/07/2021 19:06*	WG1666286
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*05/07/2021 19:06*	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1.25	05/07/2021 19:06	WG1666286		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00406	0.0216	1	05/05/2021 20:36	WG1664100
Alpha BHC	U		0.00398	0.0216	1	05/05/2021 20:36	WG1664100
Beta BHC	U		0.00410	0.0216	1	05/05/2021 20:36	WG1664100
Delta BHC	U		0.00374	0.0216	1	05/05/2021 20:36	WG1664100
Gamma BHC	U		0.00372	0.0216	1	05/05/2021 20:36	WG1664100
Chlordane	U		0.111	0.324	1	05/05/2021 20:36	WG1664100
4,4-DDD	U		0.00400	0.0216	1	05/05/2021 20:36	WG1664100
4,4-DDE	U		0.00396	0.0216	1	05/05/2021 20:36	WG1664100
4,4-DDT	U		0.00678	0.0216	1	05/05/2021 20:36	WG1664100
Dieldrin	U		0.00372	0.0216	1	05/05/2021 20:36	WG1664100
Endosulfan I	U		0.00392	0.0216	1	05/05/2021 20:36	WG1664100
Endosulfan II	U		0.00362	0.0216	1	05/05/2021 20:36	WG1664100
Endosulfan sulfate	U		0.00393	0.0216	1	05/05/2021 20:36	WG1664100
Endrin	U		0.00378	0.0216	1	05/05/2021 20:36	WG1664100
Endrin aldehyde	U		0.00366	0.0216	1	05/05/2021 20:36	WG1664100
Endrin ketone	U		0.00769	0.0216	1	05/05/2021 20:36	WG1664100
Hexachlorobenzene	U		0.00374	0.0216	1	05/05/2021 20:36	WG1664100
Heptachlor	U		0.00463	0.0216	1	05/05/2021 20:36	WG1664100
Heptachlor epoxide	U		0.00366	0.0216	1	05/05/2021 20:36	WG1664100
Methoxychlor	U		0.00523	0.0216	1	05/05/2021 20:36	WG1664100
Toxaphene	U		0.134	0.432	1	05/05/2021 20:36	WG1664100
(S) Decachlorobiphenyl	*63.6*			*30.0-150*		*05/05/2021 20:36*	WG1664100
(S) Tetrachloro-m-xylene	*61.1*			*30.0-150*		*05/05/2021 20:36*	WG1664100

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0128	0.0368	1	05/05/2021 18:24	WG1664100
PCB 1221	U		0.0128	0.0368	1	05/05/2021 18:24	WG1664100
PCB 1232	U		0.0128	0.0368	1	05/05/2021 18:24	WG1664100
PCB 1242	U		0.0128	0.0368	1	05/05/2021 18:24	WG1664100
PCB 1248	U		0.00798	0.0184	1	05/05/2021 18:24	WG1664100
PCB 1254	U		0.00798	0.0184	1	05/05/2021 18:24	WG1664100
PCB 1260	U		0.00798	0.0184	1	05/05/2021 18:24	WG1664100
Total PCBs	U		0.00798	0.0184	1	05/05/2021 18:24	WG1664100
(S) Decachlorobiphenyl	*74.7*			*30.0-150*		*05/05/2021 18:24*	WG1664100
(S) Tetrachloro-m-xylene	*69.8*			*30.0-150*		*05/05/2021 18:24*	WG1664100

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00583	0.0360	1	05/08/2021 18:27	WG1666711
Acenaphthylene	U	J4	0.00507	0.0360	1	05/08/2021 18:27	WG1666711
Acetophenone	U	J4	0.0112	0.360	1	05/08/2021 18:27	WG1666711
Anthracene	0.00909	J J4	0.00641	0.0360	1	05/08/2021 18:27	WG1666711
Atrazine	U		0.0124	0.360	1	05/08/2021 18:27	WG1666711
Benzaldehyde	U		0.0191	0.360	1	05/08/2021 18:27	WG1666711
Benzo(a)anthracene	0.0624	J4	0.00635	0.0360	1	05/08/2021 18:27	WG1666711
Benzo(b)fluoranthene	0.0759	J4	0.00671	0.0360	1	05/08/2021 18:27	WG1666711
Benzo(k)fluoranthene	0.0288	J J4	0.00640	0.0360	1	05/08/2021 18:27	WG1666711
Benzo(g,h,i)perylene	0.0255	J J4	0.00658	0.0360	1	05/08/2021 18:27	WG1666711
Benzo(a)pyrene	0.0492	J4	0.00669	0.0360	1	05/08/2021 18:27	WG1666711
Biphenyl	U	J4	0.0115	0.360	1	05/08/2021 18:27	WG1666711
Bis(2-chlorethoxy)methane	U	J4	0.0108	0.360	1	05/08/2021 18:27	WG1666711
Bis(2-chloroethyl)ether	U	J4	0.0119	0.360	1	05/08/2021 18:27	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0156	0.360	1	05/08/2021 18:27	WG1666711
4-Bromophenyl-phenylether	U	J4	0.0126	0.360	1	05/08/2021 18:27	WG1666711
Caprolactam	U		0.0178	0.360	1	05/08/2021 18:27	WG1666711
Carbazole	U	J4	0.0111	0.360	1	05/08/2021 18:27	WG1666711
4-Chloroaniline	U	J4	0.0130	0.360	1	05/08/2021 18:27	WG1666711
2-Chloronaphthalene	U	J4	0.00632	0.0360	1	05/08/2021 18:27	WG1666711
4-Chlorophenyl-phenylether	U	J4	0.0125	0.360	1	05/08/2021 18:27	WG1666711
Chrysene	0.0704	J4	0.00716	0.0360	1	05/08/2021 18:27	WG1666711
Dibenz(a,h)anthracene	0.0104	J J4	0.00998	0.0360	1	05/08/2021 18:27	WG1666711
Dibenzofuran	U	J4	0.0118	0.360	1	05/08/2021 18:27	WG1666711
3,3-Dichlorobenzidine	U	J4	0.0133	0.360	1	05/08/2021 18:27	WG1666711
2,4-Dinitrotoluene	U		0.0103	0.360	1	05/08/2021 18:27	WG1666711
2,6-Dinitrotoluene	U	J4	0.0118	0.360	1	05/08/2021 18:27	WG1666711
Fluoranthene	0.0998	J4	0.00650	0.0360	1	05/08/2021 18:27	WG1666711
Fluorene	U	J4	0.00586	0.0360	1	05/08/2021 18:27	WG1666711
Hexachlorobenzene	U	J4	0.0128	0.360	1	05/08/2021 18:27	WG1666711
Hexachloro-1,3-butadiene	U	J4	0.0121	0.360	1	05/08/2021 18:27	WG1666711
Hexachlorocyclopentadiene	U		0.0189	0.360	1	05/08/2021 18:27	WG1666711
Hexachloroethane	U		0.0142	0.360	1	05/08/2021 18:27	WG1666711
Indeno(1,2,3-cd)pyrene	0.0307	J J4	0.0102	0.0360	1	05/08/2021 18:27	WG1666711
Isophorone	U	J4	0.0110	0.360	1	05/08/2021 18:27	WG1666711
2-Methylnaphthalene	U	J4	0.00467	0.0360	1	05/08/2021 18:27	WG1666711
Naphthalene	U	J4	0.00904	0.0360	1	05/08/2021 18:27	WG1666711
2-Nitroaniline	U	J4	0.0116	0.360	1	05/08/2021 18:27	WG1666711
3-Nitroaniline	U	J4	0.0115	0.360	1	05/08/2021 18:27	WG1666711
4-Nitroaniline	U		0.0105	0.360	1	05/08/2021 18:27	WG1666711
Nitrobenzene	U	J4	0.0125	0.360	1	05/08/2021 18:27	WG1666711
n-Nitrosodiphenylamine	U		0.0272	0.360	1	05/08/2021 18:27	WG1666711
n-Nitrosodi-n-propylamine	U	J4	0.0120	0.360	1	05/08/2021 18:27	WG1666711
Phenanthrene	0.0571	J4	0.00714	0.0360	1	05/08/2021 18:27	WG1666711
Benzylbutyl phthalate	U	J4	0.0112	0.360	1	05/08/2021 18:27	WG1666711
Bis(2-ethylhexyl)phthalate	U	J4	0.0456	0.360	1	05/08/2021 18:27	WG1666711
Di-n-butyl phthalate	U	J4	0.0123	0.360	1	05/08/2021 18:27	WG1666711
Diethyl phthalate	U	J4	0.0119	0.360	1	05/08/2021 18:27	WG1666711
Dimethyl phthalate	U	J4	0.0763	0.360	1	05/08/2021 18:27	WG1666711
Di-n-octyl phthalate	U	J4	0.0243	0.360	1	05/08/2021 18:27	WG1666711
Pyrene	0.0816	J4	0.00700	0.0360	1	05/08/2021 18:27	WG1666711
1,2,4,5-Tetrachlorobenzene	U		0.0172	0.360	1	05/08/2021 18:27	WG1666711
4-Chloro-3-methylphenol	U	J4	0.0117	0.360	1	05/08/2021 18:27	WG1666711
2-Chlorophenol	U	J4	0.0119	0.360	1	05/08/2021 18:27	WG1666711
2-Methylphenol	U	J4	0.0108	0.360	1	05/08/2021 18:27	WG1666711
3&4-Methyl Phenol	U		0.0112	0.360	1	05/08/2021 18:27	WG1666711
2,4-Dichlorophenol	U	J4	0.0105	0.360	1	05/08/2021 18:27	WG1666711
2,4-Dimethylphenol	U	J4	0.00940	0.360	1	05/08/2021 18:27	WG1666711
4,6-Dinitro-2-methylphenol	U	J4	0.0816	0.360	1	05/08/2021 18:27	WG1666711
2,4-Dinitrophenol	U		0.0842	0.360	1	05/08/2021 18:27	WG1666711
2-Nitrophenol	U	J4	0.0129	0.360	1	05/08/2021 18:27	WG1666711
4-Nitrophenol	U		0.0112	0.360	1	05/08/2021 18:27	WG1666711
Pentachlorophenol	U		0.00969	0.360	1	05/08/2021 18:27	WG1666711
Phenol	U		0.0145	0.360	1	05/08/2021 18:27	WG1666711
2,4,5-Trichlorophenol	U	J4	0.0122	0.360	1	05/08/2021 18:27	WG1666711
2,4,6-Trichlorophenol	U	J4	0.0116	0.360	1	05/08/2021 18:27	WG1666711
(S) 2-Fluorophenol	*61.4*			*30.0-130*		*05/08/2021 18:27*	WG1666711
(S) Phenol-d5	*59.7*			*30.0-130*		*05/08/2021 18:27*	WG1666711
(S) Nitrobenzene-d5	*50.3*			*30.0-130*		*05/08/2021 18:27*	WG1666711
(S) 2-Fluorobiphenyl	*65.7*			*30.0-130*		*05/08/2021 18:27*	WG1666711

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*83.0*			*30.0-130*		*05/08/2021 18:27*	WG1666711
(S) p-Terphenyl-d14	*67.9*			*30.0-130*		*05/08/2021 18:27*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.301	J N	0.000	0.000	1	05/08/2021 18:27	WG1666711		
Unknown-01	0.174	J N	0.000	0.000	1	05/08/2021 18:27	WG1666711	000123-42-2	2.21
Cyclohexadecane	0.0456	J N	0.000	0.000	1	05/08/2021 18:27	WG1666711	000295-65-8	8.34
Benzo[E]Pyrene	0.0419	J N	0.000	0.000	1	05/08/2021 18:27	WG1666711	000192-97-2	10.55
Unknown-02	0.0397	J N	0.000	0.000	1	05/08/2021 18:27	WG1666711	000565-61-7	2.85

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.0		1	05/04/2021 14:01	WG1664019

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0772	0.263	1	05/11/2021 19:09	WG1668185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.149		0.0190	0.0421	1	05/06/2021 16:14	WG1662823

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	7290		6.40	10.5	1	05/07/2021 08:10	WG1662844
Antimony	1.35	J	0.573	2.11	1	05/07/2021 08:10	WG1662844
Arsenic	4.36		0.545	2.11	1	05/07/2021 08:10	WG1662844
Barium	56.1		0.0897	0.527	1	05/07/2021 08:10	WG1662844
Beryllium	0.313		0.0332	0.211	1	05/07/2021 08:10	WG1662844
Cadmium	0.165	J	0.0496	0.527	1	05/07/2021 08:10	WG1662844
Calcium	11700		11.2	105	1	05/07/2021 08:10	WG1662844
Chromium	16.9		0.140	1.05	1	05/07/2021 08:10	WG1662844
Cobalt	3.55		0.0854	1.05	1	05/07/2021 08:10	WG1662844
Copper	14.9		0.421	2.11	1	05/07/2021 08:10	WG1662844
Iron	12100		2.36	10.5	1	05/07/2021 08:10	WG1662844
Lead	53.6		0.219	0.527	1	05/07/2021 08:10	WG1662844
Magnesium	3560		7.77	105	1	05/07/2021 08:10	WG1662844
Manganese	111		0.140	1.05	1	05/07/2021 08:10	WG1662844
Nickel	8.64		0.139	2.11	1	05/07/2021 08:10	WG1662844
Potassium	1160		22.0	105	1	05/07/2021 08:10	WG1662844
Selenium	U		0.805	2.11	1	05/07/2021 08:10	WG1662844
Silver	U		0.134	1.05	1	05/07/2021 08:10	WG1662844
Sodium	182		43.4	105	1	05/07/2021 08:10	WG1662844
Thallium	U		0.415	2.11	1	05/07/2021 08:10	WG1662844
Vanadium	24.9		0.533	2.11	1	05/07/2021 08:10	WG1662844
Zinc	145		0.876	5.27	1	05/07/2021 08:10	WG1662844

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0823		0.0218	0.0527	1	05/07/2021 19:27	WG1666286
Benzene	0.000686	J	0.000395	0.00105	1	05/07/2021 19:27	WG1666286
Bromochloromethane	U		0.000353	0.00105	1	05/07/2021 19:27	WG1666286
Bromodichloromethane	U		0.000763	0.00105	1	05/07/2021 19:27	WG1666286
Bromoform	U		0.000446	0.00105	1	05/07/2021 19:27	WG1666286
Bromomethane	U		0.00123	0.00527	1	05/07/2021 19:27	WG1666286
Carbon disulfide	U		0.000737	0.00105	1	05/07/2021 19:27	WG1666286
Carbon tetrachloride	U		0.000261	0.00105	1	05/07/2021 19:27	WG1666286
Chlorobenzene	U		0.000202	0.00105	1	05/07/2021 19:27	WG1666286
Chlorodibromomethane	U		0.000236	0.00105	1	05/07/2021 19:27	WG1666286
Chloroethane	U		0.00105	0.00527	1	05/07/2021 19:27	WG1666286
Chloroform	U		0.00108	0.00527	1	05/07/2021 19:27	WG1666286
Chloromethane	U		0.000684	0.00263	1	05/07/2021 19:27	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000282	0.00105	1	05/07/2021 19:27	WG1666286
1,2-Dibromo-3-Chloropropane	U		0.00200	0.00527	1	05/07/2021 19:27	WG1666286
1,2-Dibromoethane	U		0.000263	0.00105	1	05/07/2021 19:27	WG1666286
Dichlorodifluoromethane	U		0.000302	0.00527	1	05/07/2021 19:27	WG1666286
1,1-Dichloroethane	U		0.000282	0.00105	1	05/07/2021 19:27	WG1666286
1,2-Dichloroethane	U		0.000474	0.00105	1	05/07/2021 19:27	WG1666286
1,2-Dichlorobenzene	U		0.000448	0.00105	1	05/07/2021 19:27	WG1666286
1,3-Dichlorobenzene	U		0.000632	0.00105	1	05/07/2021 19:27	WG1666286
1,4-Dichlorobenzene	U		0.000874	0.00105	1	05/07/2021 19:27	WG1666286
1,1-Dichloroethene	U		0.000374	0.00105	1	05/07/2021 19:27	WG1666286
cis-1,2-Dichloroethene	U		0.000500	0.00105	1	05/07/2021 19:27	WG1666286
trans-1,2-Dichloroethene	U		0.000527	0.00105	1	05/07/2021 19:27	WG1666286
1,2-Dichloropropane	U		0.000173	0.00105	1	05/07/2021 19:27	WG1666286
cis-1,3-Dichloropropene	U		0.000448	0.00105	1	05/07/2021 19:27	WG1666286
trans-1,3-Dichloropropene	U		0.000711	0.00105	1	05/07/2021 19:27	WG1666286
Ethylbenzene	U		0.000316	0.00105	1	05/07/2021 19:27	WG1666286
2-Hexanone	U		0.00188	0.0105	1	05/07/2021 19:27	WG1666286
Isopropylbenzene	U		0.000448	0.00105	1	05/07/2021 19:27	WG1666286
2-Butanone (MEK)	0.00610	J	0.00493	0.0105	1	05/07/2021 19:27	WG1666286
Methyl Acetate	U		0.00316	0.0211	1	05/07/2021 19:27	WG1666286
Methyl Cyclohexane	U		0.000816	0.00105	1	05/07/2021 19:27	WG1666286
Methylene Chloride	U		0.00105	0.00527	1	05/07/2021 19:27	WG1666286
4-Methyl-2-pentanone (MIBK)	U		0.00100	0.0105	1	05/07/2021 19:27	WG1666286
Methyl tert-butyl ether	U		0.000369	0.00105	1	05/07/2021 19:27	WG1666286
Styrene	U		0.000235	0.00105	1	05/07/2021 19:27	WG1666286
1,1,2,2-Tetrachloroethane	U		0.000243	0.00105	1	05/07/2021 19:27	WG1666286
Tetrachloroethene	U		0.000342	0.00105	1	05/07/2021 19:27	WG1666286
Toluene	U		0.00130	0.00527	1	05/07/2021 19:27	WG1666286
1,2,3-Trichlorobenzene	U		0.000322	0.00105	1	05/07/2021 19:27	WG1666286
1,2,4-Trichlorobenzene	U		0.000409	0.00105	1	05/07/2021 19:27	WG1666286
1,1,1-Trichloroethane	U		0.000390	0.00105	1	05/07/2021 19:27	WG1666286
1,1,2-Trichloroethane	U		0.000448	0.00105	1	05/07/2021 19:27	WG1666286
Trichloroethene	U		0.000211	0.00105	1	05/07/2021 19:27	WG1666286
Trichlorofluoromethane	U		0.000375	0.00527	1	05/07/2021 19:27	WG1666286
1,1,2-Trichlorotrifluoroethane	U		0.000449	0.00105	1	05/07/2021 19:27	WG1666286
Vinyl chloride	U		0.000238	0.00105	1	05/07/2021 19:27	WG1666286
Xylenes, Total	U		0.000527	0.00316	1	05/07/2021 19:27	WG1666286
(S) Toluene-d8	*110*			*75.0-131*		*05/07/2021 19:27*	WG1666286
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/07/2021 19:27*	WG1666286
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*05/07/2021 19:27*	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.0385	J N	0.000	0.000	1	05/07/2021 19:27	WG1666286		
Hexanal	0.0163	J N	0.000	0.000	1	05/07/2021 19:27	WG1666286	000066-25-1	6.15
Pentanal	0.00579	J N	0.000	0.000	1	05/07/2021 19:27	WG1666286	000110-62-3	4.93
Propanal	0.00567	J N	0.000	0.000	1	05/07/2021 19:27	WG1666286	000123-38-6	2.63
Pentane	0.00469	J N	0.000	0.000	1	05/07/2021 19:27	WG1666286	000109-66-0	2.08
Butanal	0.00322	J N	0.000	0.000	1	05/07/2021 19:27	WG1666286	000123-72-8	3.67
Cyclotrisiloxane, Hexamethyl-	0.00282	J N	0.000	0.000	1	05/07/2021 19:27	WG1666286	000541-05-9	5.35

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00396	0.0211	1	05/05/2021 20:50	WG1664100
Alpha BHC	U		0.00388	0.0211	1	05/05/2021 20:50	WG1664100
Beta BHC	U		0.00399	0.0211	1	05/05/2021 20:50	WG1664100
Delta BHC	U		0.00364	0.0211	1	05/05/2021 20:50	WG1664100
Gamma BHC	U		0.00362	0.0211	1	05/05/2021 20:50	WG1664100
Chlordane	0.197	J	0.108	0.316	1	05/05/2021 20:50	WG1664100
4,4-DDD	U		0.00390	0.0211	1	05/05/2021 20:50	WG1664100
4,4-DDE	U		0.00385	0.0211	1	05/05/2021 20:50	WG1664100
4,4-DDT	0.00671	J	0.00660	0.0211	1	05/05/2021 20:50	WG1664100
Dieldrin	U		0.00362	0.0211	1	05/05/2021 20:50	WG1664100
Endosulfan I	U		0.00382	0.0211	1	05/05/2021 20:50	WG1664100
Endosulfan II	U		0.00353	0.0211	1	05/05/2021 20:50	WG1664100
Endosulfan sulfate	U		0.00383	0.0211	1	05/05/2021 20:50	WG1664100
Endrin	U		0.00369	0.0211	1	05/05/2021 20:50	WG1664100
Endrin aldehyde	U		0.00357	0.0211	1	05/05/2021 20:50	WG1664100
Endrin ketone	U		0.00749	0.0211	1	05/05/2021 20:50	WG1664100
Hexachlorobenzene	U		0.00364	0.0211	1	05/05/2021 20:50	WG1664100
Heptachlor	U		0.00451	0.0211	1	05/05/2021 20:50	WG1664100
Heptachlor epoxide	U		0.00357	0.0211	1	05/05/2021 20:50	WG1664100
Methoxychlor	0.00967	J P	0.00510	0.0211	1	05/05/2021 20:50	WG1664100
Toxaphene	U		0.131	0.421	1	05/05/2021 20:50	WG1664100
(S) Decachlorobiphenyl	*116*			*30.0-150*		*05/05/2021 20:50*	WG1664100
(S) Tetrachloro-m-xylene	*46.6*			*30.0-150*		*05/05/2021 20:50*	WG1664100

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0124	0.0358	1	05/05/2021 18:34	WG1664100
PCB 1221	U		0.0124	0.0358	1	05/05/2021 18:34	WG1664100
PCB 1232	U		0.0124	0.0358	1	05/05/2021 18:34	WG1664100
PCB 1242	U		0.0124	0.0358	1	05/05/2021 18:34	WG1664100
PCB 1248	U		0.00777	0.0179	1	05/05/2021 18:34	WG1664100
PCB 1254	U		0.00777	0.0179	1	05/05/2021 18:34	WG1664100
PCB 1260	U		0.00777	0.0179	1	05/05/2021 18:34	WG1664100
Total PCBs	U		0.00777	0.0179	1	05/05/2021 18:34	WG1664100
(S) Decachlorobiphenyl	*67.2*			*30.0-150*		*05/05/2021 18:34*	WG1664100
(S) Tetrachloro-m-xylene	*60.2*			*30.0-150*		*05/05/2021 18:34*	WG1664100

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.0568	0.351	10	05/12/2021 01:28	WG1666711
Acenaphthylene	U	J4	0.0494	0.351	10	05/12/2021 01:28	WG1666711
Acetophenone	U	J4	0.110	3.51	10	05/12/2021 01:28	WG1666711
Anthracene	0.0998	J J4	0.0624	0.351	10	05/12/2021 01:28	WG1666711
Atrazine	U		0.121	3.51	10	05/12/2021 01:28	WG1666711
Benzaldehyde	U		0.186	3.51	10	05/12/2021 01:28	WG1666711
Benzo(a)anthracene	0.649	J4	0.0618	0.351	10	05/12/2021 01:28	WG1666711
Benzo(b)fluoranthene	0.991	J4	0.0654	0.351	10	05/12/2021 01:28	WG1666711
Benzo(k)fluoranthene	0.345	J J4	0.0623	0.351	10	05/12/2021 01:28	WG1666711
Benzo(g,h,i)perylene	0.213	J J4	0.0641	0.351	10	05/12/2021 01:28	WG1666711
Benzo(a)pyrene	0.656	J4	0.0652	0.351	10	05/12/2021 01:28	WG1666711
Biphenyl	U	J4	0.112	3.51	10	05/12/2021 01:28	WG1666711
Bis(2-chlorethoxy)methane	U	J4	0.105	3.51	10	05/12/2021 01:28	WG1666711
Bis(2-chloroethyl)ether	U	J4	0.116	3.51	10	05/12/2021 01:28	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.152	3.51	10	05/12/2021 01:28	WG1666711
4-Bromophenyl-phenylether	U	J4	0.123	3.51	10	05/12/2021 01:28	WG1666711
Caprolactam	U		0.174	3.51	10	05/12/2021 01:28	WG1666711
Carbazole	U	J4	0.108	3.51	10	05/12/2021 01:28	WG1666711
4-Chloroaniline	U	J4	0.126	3.51	10	05/12/2021 01:28	WG1666711
2-Chloronaphthalene	U	J4	0.0616	0.351	10	05/12/2021 01:28	WG1666711
4-Chlorophenyl-phenylether	U	J4	0.122	3.51	10	05/12/2021 01:28	WG1666711
Chrysene	0.650	J4	0.0697	0.351	10	05/12/2021 01:28	WG1666711
Dibenz(a,h)anthracene	U	J4	0.0972	0.351	10	05/12/2021 01:28	WG1666711
Dibenzofuran	U	J4	0.115	3.51	10	05/12/2021 01:28	WG1666711
3,3-Dichlorobenzidine	U	J4	0.130	3.51	10	05/12/2021 01:28	WG1666711
2,4-Dinitrotoluene	U		0.101	3.51	10	05/12/2021 01:28	WG1666711
2,6-Dinitrotoluene	U	J4	0.115	3.51	10	05/12/2021 01:28	WG1666711
Fluoranthene	1.16	J4	0.0633	0.351	10	05/12/2021 01:28	WG1666711
Fluorene	U	J4	0.0571	0.351	10	05/12/2021 01:28	WG1666711
Hexachlorobenzene	U	J4	0.124	3.51	10	05/12/2021 01:28	WG1666711
Hexachloro-1,3-butadiene	U	J4	0.118	3.51	10	05/12/2021 01:28	WG1666711
Hexachlorocyclopentadiene	U		0.184	3.51	10	05/12/2021 01:28	WG1666711
Hexachloroethane	U		0.138	3.51	10	05/12/2021 01:28	WG1666711
Indeno(1,2,3-cd)pyrene	0.278	J J4	0.0991	0.351	10	05/12/2021 01:28	WG1666711
Isophorone	U	J4	0.107	3.51	10	05/12/2021 01:28	WG1666711
2-Methylnaphthalene	U	J4	0.0455	0.351	10	05/12/2021 01:28	WG1666711
Naphthalene	U	J4	0.0880	0.351	10	05/12/2021 01:28	WG1666711
2-Nitroaniline	U	J4	0.113	3.51	10	05/12/2021 01:28	WG1666711
3-Nitroaniline	U	J4	0.112	3.51	10	05/12/2021 01:28	WG1666711
4-Nitroaniline	U		0.102	3.51	10	05/12/2021 01:28	WG1666711
Nitrobenzene	U	J4	0.122	3.51	10	05/12/2021 01:28	WG1666711
n-Nitrosodiphenylamine	U		0.265	3.51	10	05/12/2021 01:28	WG1666711
n-Nitrosodi-n-propylamine	U	J4	0.117	3.51	10	05/12/2021 01:28	WG1666711
Phenanthrene	0.494	J4	0.0696	0.351	10	05/12/2021 01:28	WG1666711
Benzylbutyl phthalate	1.33	J J4	0.110	3.51	10	05/12/2021 01:28	WG1666711
Bis(2-ethylhexyl)phthalate	U	J4	0.444	3.51	10	05/12/2021 01:28	WG1666711
Di-n-butyl phthalate	U	J4	0.120	3.51	10	05/12/2021 01:28	WG1666711
Diethyl phthalate	U	J4	0.116	3.51	10	05/12/2021 01:28	WG1666711
Dimethyl phthalate	U	J4	0.743	3.51	10	05/12/2021 01:28	WG1666711
Di-n-octyl phthalate	U	J4	0.237	3.51	10	05/12/2021 01:28	WG1666711
Pyrene	1.03	J4	0.0682	0.351	10	05/12/2021 01:28	WG1666711
1,2,4,5-Tetrachlorobenzene	U		0.167	3.51	10	05/12/2021 01:28	WG1666711
4-Chloro-3-methylphenol	U	J4	0.114	3.51	10	05/12/2021 01:28	WG1666711
2-Chlorophenol	U	J4	0.116	3.51	10	05/12/2021 01:28	WG1666711
2-Methylphenol	U	J4	0.105	3.51	10	05/12/2021 01:28	WG1666711
3&4-Methyl Phenol	U		0.110	3.51	10	05/12/2021 01:28	WG1666711
2,4-Dichlorophenol	U	J4	0.102	3.51	10	05/12/2021 01:28	WG1666711
2,4-Dimethylphenol	U	J4	0.0916	3.51	10	05/12/2021 01:28	WG1666711
4,6-Dinitro-2-methylphenol	U	J4	0.795	3.51	10	05/12/2021 01:28	WG1666711
2,4-Dinitrophenol	U		0.820	3.51	10	05/12/2021 01:28	WG1666711
2-Nitrophenol	U	J4	0.125	3.51	10	05/12/2021 01:28	WG1666711
4-Nitrophenol	U		0.110	3.51	10	05/12/2021 01:28	WG1666711
Pentachlorophenol	U		0.0944	3.51	10	05/12/2021 01:28	WG1666711
Phenol	U		0.141	3.51	10	05/12/2021 01:28	WG1666711
2,4,5-Trichlorophenol	U	J4	0.119	3.51	10	05/12/2021 01:28	WG1666711
2,4,6-Trichlorophenol	U	J4	0.113	3.51	10	05/12/2021 01:28	WG1666711
(S) 2-Fluorophenol	*78.6*			*30.0-130*		*05/12/2021 01:28*	WG1666711
(S) Phenol-d5	*74.7*			*30.0-130*		*05/12/2021 01:28*	WG1666711
(S) Nitrobenzene-d5	*65.2*			*30.0-130*		*05/12/2021 01:28*	WG1666711
(S) 2-Fluorobiphenyl	*91.2*			*30.0-130*		*05/12/2021 01:28*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*99.5*			*30.0-130*		*05/12/2021 01:28*	WG1666711
(S) p-Terphenyl-d14	*81.1*			*30.0-130*		*05/12/2021 01:28*	WG1666711

Sample Narrative:

L1346268-04 WG1666711: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	203	J N	0.000	0.000	10	05/12/2021 01:28	WG1666711		
Unknown-01	203	J N	0.000	0.000	10	05/12/2021 01:28	WG1666711	054751-97-2	9.68

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.0		1	05/04/2021 14:01	WG1664019

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	0.208	J	0.0927	0.316	1	05/11/2021 19:10	WG1668185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.252		0.0228	0.0506	1	05/06/2021 16:17	WG1662823

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	18200		7.69	12.7	1	05/07/2021 08:12	WG1662844
Antimony	0.750	J	0.688	2.53	1	05/07/2021 08:12	WG1662844
Arsenic	0.787	J	0.655	2.53	1	05/07/2021 08:12	WG1662844
Barium	79.6		0.108	0.633	1	05/07/2021 08:12	WG1662844
Beryllium	0.340		0.0399	0.253	1	05/07/2021 08:12	WG1662844
Cadmium	0.727		0.0596	0.633	1	05/07/2021 08:12	WG1662844
Calcium	8530		13.4	127	1	05/07/2021 08:12	WG1662844
Chromium	23.4		0.168	1.27	1	05/07/2021 08:12	WG1662844
Cobalt	0.876	J	0.103	1.27	1	05/07/2021 08:12	WG1662844
Copper	9.76		0.506	2.53	1	05/07/2021 08:12	WG1662844
Iron	3360		2.83	12.7	1	05/07/2021 08:12	WG1662844
Lead	37.1		0.263	0.633	1	05/07/2021 08:12	WG1662844
Magnesium	984		9.34	127	1	05/07/2021 08:12	WG1662844
Manganese	45.4		0.168	1.27	1	05/07/2021 08:12	WG1662844
Nickel	3.75		0.167	2.53	1	05/07/2021 08:12	WG1662844
Potassium	926		26.4	127	1	05/07/2021 08:12	WG1662844
Selenium	U		0.967	2.53	1	05/07/2021 08:12	WG1662844
Silver	U		0.161	1.27	1	05/07/2021 08:12	WG1662844
Sodium	164		52.1	127	1	05/07/2021 08:12	WG1662844
Thallium	U		0.499	2.53	1	05/07/2021 08:12	WG1662844
Vanadium	32.8		0.640	2.53	1	05/07/2021 08:12	WG1662844
Zinc	182		1.05	6.33	1	05/07/2021 08:12	WG1662844

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0359	J	0.0262	0.0633	1	05/07/2021 19:48	WG1666286
Benzene	U		0.000474	0.00127	1	05/07/2021 19:48	WG1666286
Bromochloromethane	U		0.000424	0.00127	1	05/07/2021 19:48	WG1666286
Bromodichloromethane	U		0.000917	0.00127	1	05/07/2021 19:48	WG1666286
Bromoform	U		0.000536	0.00127	1	05/07/2021 19:48	WG1666286
Bromomethane	U		0.00148	0.00633	1	05/07/2021 19:48	WG1666286
Carbon disulfide	U		0.000886	0.00127	1	05/07/2021 19:48	WG1666286
Carbon tetrachloride	U		0.000314	0.00127	1	05/07/2021 19:48	WG1666286
Chlorobenzene	U		0.000243	0.00127	1	05/07/2021 19:48	WG1666286
Chlorodibromomethane	U		0.000283	0.00127	1	05/07/2021 19:48	WG1666286
Chloroethane	U		0.00127	0.00633	1	05/07/2021 19:48	WG1666286
Chloroform	U		0.00130	0.00633	1	05/07/2021 19:48	WG1666286
Chloromethane	U		0.000822	0.00316	1	05/07/2021 19:48	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000339	0.00127	1	05/07/2021 19:48	WG1666286
1,2-Dibromo-3-Chloropropane	U		0.00240	0.00633	1	05/07/2021 19:48	WG1666286
1,2-Dibromoethane	U		0.000316	0.00127	1	05/07/2021 19:48	WG1666286
Dichlorodifluoromethane	U		0.000363	0.00633	1	05/07/2021 19:48	WG1666286
1,1-Dichloroethane	U		0.000339	0.00127	1	05/07/2021 19:48	WG1666286
1,2-Dichloroethane	U		0.000569	0.00127	1	05/07/2021 19:48	WG1666286
1,2-Dichlorobenzene	U		0.000538	0.00127	1	05/07/2021 19:48	WG1666286
1,3-Dichlorobenzene	U		0.000759	0.00127	1	05/07/2021 19:48	WG1666286
1,4-Dichlorobenzene	U		0.00105	0.00127	1	05/07/2021 19:48	WG1666286
1,1-Dichloroethene	U		0.000449	0.00127	1	05/07/2021 19:48	WG1666286
cis-1,2-Dichloroethene	U		0.000601	0.00127	1	05/07/2021 19:48	WG1666286
trans-1,2-Dichloroethene	U		0.000633	0.00127	1	05/07/2021 19:48	WG1666286
1,2-Dichloropropane	U		0.000208	0.00127	1	05/07/2021 19:48	WG1666286
cis-1,3-Dichloropropene	U		0.000538	0.00127	1	05/07/2021 19:48	WG1666286
trans-1,3-Dichloropropene	U		0.000854	0.00127	1	05/07/2021 19:48	WG1666286
Ethylbenzene	U		0.000380	0.00127	1	05/07/2021 19:48	WG1666286
2-Hexanone	U		0.00226	0.0127	1	05/07/2021 19:48	WG1666286
Isopropylbenzene	U		0.000538	0.00127	1	05/07/2021 19:48	WG1666286
2-Butanone (MEK)	U		0.00592	0.0127	1	05/07/2021 19:48	WG1666286
Methyl Acetate	U		0.00380	0.0253	1	05/07/2021 19:48	WG1666286
Methyl Cyclohexane	U		0.000981	0.00127	1	05/07/2021 19:48	WG1666286
Methylene Chloride	U		0.00127	0.00633	1	05/07/2021 19:48	WG1666286
4-Methyl-2-pentanone (MIBK)	U		0.00120	0.0127	1	05/07/2021 19:48	WG1666286
Methyl tert-butyl ether	U		0.000443	0.00127	1	05/07/2021 19:48	WG1666286
Styrene	U		0.000282	0.00127	1	05/07/2021 19:48	WG1666286
1,1,2,2-Tetrachloroethane	U		0.000292	0.00127	1	05/07/2021 19:48	WG1666286
Tetrachloroethene	U		0.000411	0.00127	1	05/07/2021 19:48	WG1666286
Toluene	U		0.00156	0.00633	1	05/07/2021 19:48	WG1666286
1,2,3-Trichlorobenzene	U		0.000387	0.00127	1	05/07/2021 19:48	WG1666286
1,2,4-Trichlorobenzene	U		0.000491	0.00127	1	05/07/2021 19:48	WG1666286
1,1,1-Trichloroethane	U		0.000468	0.00127	1	05/07/2021 19:48	WG1666286
1,1,2-Trichloroethane	U		0.000538	0.00127	1	05/07/2021 19:48	WG1666286
Trichloroethene	U		0.000253	0.00127	1	05/07/2021 19:48	WG1666286
Trichlorofluoromethane	U		0.000450	0.00633	1	05/07/2021 19:48	WG1666286
1,1,2-Trichlorotrifluoroethane	U		0.000539	0.00127	1	05/07/2021 19:48	WG1666286
Vinyl chloride	U		0.000286	0.00127	1	05/07/2021 19:48	WG1666286
Xylenes, Total	U		0.000633	0.00380	1	05/07/2021 19:48	WG1666286
(S) Toluene-d8	*113*			*75.0-131*		*05/07/2021 19:48*	WG1666286
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/07/2021 19:48*	WG1666286
(S) 1,2-Dichloroethane-d4	*118*			*70.0-130*		*05/07/2021 19:48*	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/07/2021 19:48	WG1666286		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00476	0.0253	1	05/05/2021 21:05	WG1664100
Alpha BHC	U		0.00466	0.0253	1	05/05/2021 21:05	WG1664100
Beta BHC	U		0.00480	0.0253	1	05/05/2021 21:05	WG1664100
Delta BHC	U		0.00438	0.0253	1	05/05/2021 21:05	WG1664100
Gamma BHC	U		0.00435	0.0253	1	05/05/2021 21:05	WG1664100
Chlordane	U		0.130	0.380	1	05/05/2021 21:05	WG1664100
4,4-DDD	U		0.00468	0.0253	1	05/05/2021 21:05	WG1664100
4,4-DDE	U		0.00463	0.0253	1	05/05/2021 21:05	WG1664100
4,4-DDT	U		0.00793	0.0253	1	05/05/2021 21:05	WG1664100
Dieldrin	U		0.00435	0.0253	1	05/05/2021 21:05	WG1664100
Endosulfan I	U		0.00459	0.0253	1	05/05/2021 21:05	WG1664100
Endosulfan II	U		0.00424	0.0253	1	05/05/2021 21:05	WG1664100
Endosulfan sulfate	U		0.00461	0.0253	1	05/05/2021 21:05	WG1664100
Endrin	U		0.00443	0.0253	1	05/05/2021 21:05	WG1664100
Endrin aldehyde	U		0.00429	0.0253	1	05/05/2021 21:05	WG1664100
Endrin ketone	U		0.00900	0.0253	1	05/05/2021 21:05	WG1664100
Hexachlorobenzene	U		0.00438	0.0253	1	05/05/2021 21:05	WG1664100
Heptachlor	U		0.00542	0.0253	1	05/05/2021 21:05	WG1664100
Heptachlor epoxide	U		0.00429	0.0253	1	05/05/2021 21:05	WG1664100
Methoxychlor	U		0.00612	0.0253	1	05/05/2021 21:05	WG1664100
Toxaphene	U		0.157	0.506	1	05/05/2021 21:05	WG1664100
(S) Decachlorobiphenyl	*68.9*			*30.0-150*		*05/05/2021 21:05*	WG1664100
(S) Tetrachloro-m-xylene	*54.7*			*30.0-150*		*05/05/2021 21:05*	WG1664100

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0149	0.0430	1	05/05/2021 18:44	WG1664100
PCB 1221	U		0.0149	0.0430	1	05/05/2021 18:44	WG1664100
PCB 1232	U		0.0149	0.0430	1	05/05/2021 18:44	WG1664100
PCB 1242	U		0.0149	0.0430	1	05/05/2021 18:44	WG1664100
PCB 1248	U		0.00934	0.0215	1	05/05/2021 18:44	WG1664100
PCB 1254	U		0.00934	0.0215	1	05/05/2021 18:44	WG1664100
PCB 1260	U		0.00934	0.0215	1	05/05/2021 18:44	WG1664100
Total PCBs	U		0.00934	0.0215	1	05/05/2021 18:44	WG1664100
(S) Decachlorobiphenyl	*80.0*			*30.0-150*		*05/05/2021 18:44*	WG1664100
(S) Tetrachloro-m-xylene	*76.1*			*30.0-150*		*05/05/2021 18:44*	WG1664100

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00682	0.0421	1	05/08/2021 20:32	WG1666711
Acenaphthylene	U	J4	0.00593	0.0421	1	05/08/2021 20:32	WG1666711
Acetophenone	U	J4	0.0132	0.421	1	05/08/2021 20:32	WG1666711
Anthracene	0.00873	J J4	0.00750	0.0421	1	05/08/2021 20:32	WG1666711
Atrazine	U		0.0146	0.421	1	05/08/2021 20:32	WG1666711
Benzaldehyde	U		0.0224	0.421	1	05/08/2021 20:32	WG1666711
Benzo(a)anthracene	0.0480	J4	0.00743	0.0421	1	05/08/2021 20:32	WG1666711
Benzo(b)fluoranthene	0.0538	J4	0.00786	0.0421	1	05/08/2021 20:32	WG1666711
Benzo(k)fluoranthene	0.0163	J J4	0.00749	0.0421	1	05/08/2021 20:32	WG1666711
Benzo(g,h,i)perylene	0.0239	J J4	0.00771	0.0421	1	05/08/2021 20:32	WG1666711
Benzo(a)pyrene	0.0431	J4	0.00783	0.0421	1	05/08/2021 20:32	WG1666711
Biphenyl	U	J4	0.0134	0.421	1	05/08/2021 20:32	WG1666711
Bis(2-chlorethoxy)methane	U	J4	0.0127	0.421	1	05/08/2021 20:32	WG1666711
Bis(2-chloroethyl)ether	U	J4	0.0139	0.421	1	05/08/2021 20:32	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0182	0.421	1	05/08/2021 20:32	WG1666711
4-Bromophenyl-phenylether	U	J4	0.0148	0.421	1	05/08/2021 20:32	WG1666711
Caprolactam	U		0.0209	0.421	1	05/08/2021 20:32	WG1666711
Carbazole	U	J4	0.0130	0.421	1	05/08/2021 20:32	WG1666711
4-Chloroaniline	U	J4	0.0152	0.421	1	05/08/2021 20:32	WG1666711
2-Chloronaphthalene	U	J4	0.00740	0.0421	1	05/08/2021 20:32	WG1666711
4-Chlorophenyl-phenylether	U	J4	0.0147	0.421	1	05/08/2021 20:32	WG1666711
Chrysene	0.0502	J4	0.00838	0.0421	1	05/08/2021 20:32	WG1666711
Dibenz(a,h)anthracene	U	J4	0.0117	0.0421	1	05/08/2021 20:32	WG1666711
Dibenzofuran	U	J4	0.0138	0.421	1	05/08/2021 20:32	WG1666711
3,3-Dichlorobenzidine	U	J4	0.0156	0.421	1	05/08/2021 20:32	WG1666711
2,4-Dinitrotoluene	U		0.0121	0.421	1	05/08/2021 20:32	WG1666711
2,6-Dinitrotoluene	U	J4	0.0138	0.421	1	05/08/2021 20:32	WG1666711
Fluoranthene	0.0702	J4	0.00760	0.0421	1	05/08/2021 20:32	WG1666711
Fluorene	U	J4	0.00686	0.0421	1	05/08/2021 20:32	WG1666711
Hexachlorobenzene	U	J4	0.0149	0.421	1	05/08/2021 20:32	WG1666711
Hexachloro-1,3-butadiene	U	J4	0.0142	0.421	1	05/08/2021 20:32	WG1666711
Hexachlorocyclopentadiene	U		0.0221	0.421	1	05/08/2021 20:32	WG1666711
Hexachloroethane	U		0.0166	0.421	1	05/08/2021 20:32	WG1666711
Indeno(1,2,3-cd)pyrene	0.0232	J J4	0.0119	0.0421	1	05/08/2021 20:32	WG1666711
Isophorone	U	J4	0.0129	0.421	1	05/08/2021 20:32	WG1666711
2-Methylnaphthalene	0.0132	J J4	0.00547	0.0421	1	05/08/2021 20:32	WG1666711
Naphthalene	0.0167	J J4	0.0106	0.0421	1	05/08/2021 20:32	WG1666711
2-Nitroaniline	U	J4	0.0135	0.421	1	05/08/2021 20:32	WG1666711
3-Nitroaniline	U	J4	0.0134	0.421	1	05/08/2021 20:32	WG1666711
4-Nitroaniline	U		0.0123	0.421	1	05/08/2021 20:32	WG1666711
Nitrobenzene	U	J4	0.0147	0.421	1	05/08/2021 20:32	WG1666711
n-Nitrosodiphenylamine	U		0.0319	0.421	1	05/08/2021 20:32	WG1666711
n-Nitrosodi-n-propylamine	U	J4	0.0140	0.421	1	05/08/2021 20:32	WG1666711
Phenanthrene	0.0437	J4	0.00836	0.0421	1	05/08/2021 20:32	WG1666711
Benzylbutyl phthalate	U	J4	0.0132	0.421	1	05/08/2021 20:32	WG1666711
Bis(2-ethylhexyl)phthalate	U	J4	0.0534	0.421	1	05/08/2021 20:32	WG1666711
Di-n-butyl phthalate	U	J4	0.0144	0.421	1	05/08/2021 20:32	WG1666711
Diethyl phthalate	U	J4	0.0139	0.421	1	05/08/2021 20:32	WG1666711
Dimethyl phthalate	U	J4	0.0893	0.421	1	05/08/2021 20:32	WG1666711
Di-n-octyl phthalate	U	J4	0.0285	0.421	1	05/08/2021 20:32	WG1666711
Pyrene	0.0859	J4	0.00820	0.0421	1	05/08/2021 20:32	WG1666711
1,2,4,5-Tetrachlorobenzene	U		0.0201	0.421	1	05/08/2021 20:32	WG1666711
4-Chloro-3-methylphenol	U	J4	0.0137	0.421	1	05/08/2021 20:32	WG1666711
2-Chlorophenol	U	J4	0.0139	0.421	1	05/08/2021 20:32	WG1666711
2-Methylphenol	U	J4	0.0127	0.421	1	05/08/2021 20:32	WG1666711
3&4-Methyl Phenol	U		0.0132	0.421	1	05/08/2021 20:32	WG1666711
2,4-Dichlorophenol	U	J4	0.0123	0.421	1	05/08/2021 20:32	WG1666711
2,4-Dimethylphenol	U	J4	0.0110	0.421	1	05/08/2021 20:32	WG1666711
4,6-Dinitro-2-methylphenol	U	J4	0.0955	0.421	1	05/08/2021 20:32	WG1666711
2,4-Dinitrophenol	U		0.0986	0.421	1	05/08/2021 20:32	WG1666711
2-Nitrophenol	U	J4	0.0151	0.421	1	05/08/2021 20:32	WG1666711
4-Nitrophenol	U		0.0132	0.421	1	05/08/2021 20:32	WG1666711
Pentachlorophenol	U		0.0113	0.421	1	05/08/2021 20:32	WG1666711
Phenol	U		0.0170	0.421	1	05/08/2021 20:32	WG1666711
2,4,5-Trichlorophenol	U	J4	0.0143	0.421	1	05/08/2021 20:32	WG1666711
2,4,6-Trichlorophenol	U	J4	0.0135	0.421	1	05/08/2021 20:32	WG1666711
(S) 2-Fluorophenol	*62.6*			*30.0-130*		*05/08/2021 20:32*	WG1666711
(S) Phenol-d5	*59.6*			*30.0-130*		*05/08/2021 20:32*	WG1666711
(S) Nitrobenzene-d5	*52.9*			*30.0-130*		*05/08/2021 20:32*	WG1666711
(S) 2-Fluorobiphenyl	*68.5*			*30.0-130*		*05/08/2021 20:32*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*77.7*			*30.0-130*		*05/08/2021 20:32*	WG1666711
(S) p-Terphenyl-d14	*66.9*			*30.0-130*		*05/08/2021 20:32*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	7.06	J N	0.000	0.000	1	05/08/2021 20:32	WG1666711		
Unknown-04	3.54	J N	0.000	0.000	1	05/08/2021 20:32	WG1666711	028593-08-0	12.20
Cyclopentadecane	0.733	J N	0.000	0.000	1	05/08/2021 20:32	WG1666711	000295-48-7	9.39
Unknown-01	0.633	J N	0.000	0.000	1	05/08/2021 20:32	WG1666711	000123-42-2	2.21
Eicosane	0.359	J N	0.000	0.000	1	05/08/2021 20:32	WG1666711	000112-95-8	8.34
Betulin	0.259	J N	0.000	0.000	1	05/08/2021 20:32	WG1666711	000473-98-3	15.01
Benzene, 1,2,4-Trimethyl-	0.224	J N	0.000	0.000	1	05/08/2021 20:32	WG1666711	000095-63-6	2.91
Heneicosane	0.183	J N	0.000	0.000	1	05/08/2021 20:32	WG1666711	000629-94-7	8.83
Unknown-11	0.181	J N	0.000	0.000	1	05/08/2021 20:32	WG1666711	000000-00-0	14.61
Unknown-12	0.181	J N	0.000	0.000	1	05/08/2021 20:32	WG1666711	019890-84-7	14.88
Unknown-08	0.166	J N	0.000	0.000	1	05/08/2021 20:32	WG1666711	028593-08-0	13.49
Unknown-05	0.142	J N	0.000	0.000	1	05/08/2021 20:32	WG1666711	055401-75-7	12.57
Unknown-06	0.122	J N	0.000	0.000	1	05/08/2021 20:32	WG1666711	017375-66-5	13.03
Tricosane	0.117	J N	0.000	0.000	1	05/08/2021 20:32	WG1666711	000638-67-5	7.51
Unknown-03	0.114	J N	0.000	0.000	1	05/08/2021 20:32	WG1666711	000829-26-5	11.82
Tridecane, 1-Iodo-	0.108	J N	0.000	0.000	1	05/08/2021 20:32	WG1666711	035599-77-0	7.90

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.7		1	05/04/2021 14:01	WG1664019

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0908	0.310	1	05/11/2021 19:11	WG1668185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0715		0.0223	0.0496	1	05/06/2021 16:24	WG1662823

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	5470	O1 V	7.53	12.4	1	05/07/2021 07:44	WG1662844
Antimony	0.891	J J6	0.674	2.48	1	05/07/2021 07:44	WG1662844
Arsenic	2.50		0.642	2.48	1	05/07/2021 07:44	WG1662844
Barium	34.5		0.106	0.620	1	05/07/2021 07:44	WG1662844
Beryllium	0.724		0.0390	0.248	1	05/07/2021 07:44	WG1662844
Cadmium	5.95		0.0584	0.620	1	05/07/2021 07:44	WG1662844
Calcium	10100	V	13.1	124	1	05/07/2021 07:44	WG1662844
Chromium	9.48		0.165	1.24	1	05/07/2021 07:44	WG1662844
Cobalt	4.92		0.101	1.24	1	05/07/2021 07:44	WG1662844
Copper	10.4		0.496	2.48	1	05/07/2021 07:44	WG1662844
Iron	6720	V	2.78	12.4	1	05/07/2021 07:44	WG1662844
Lead	6030	J3 O1 V	0.258	0.620	1	05/07/2021 07:44	WG1662844
Magnesium	1420	J6	9.15	124	1	05/07/2021 07:44	WG1662844
Manganese	60.4		0.165	1.24	1	05/07/2021 07:44	WG1662844
Nickel	10.7		0.164	2.48	1	05/07/2021 07:44	WG1662844
Potassium	960	J6	25.9	124	1	05/07/2021 07:44	WG1662844
Selenium	U		0.947	2.48	1	05/07/2021 07:44	WG1662844
Silver	U		0.157	1.24	1	05/07/2021 07:44	WG1662844
Sodium	200		51.1	124	1	05/07/2021 07:44	WG1662844
Thallium	U		0.488	2.48	1	05/07/2021 07:44	WG1662844
Vanadium	31.2		0.627	2.48	1	05/07/2021 07:44	WG1662844
Zinc	2120	J3 O1 V	1.03	6.20	1	05/07/2021 07:44	WG1662844

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0310	0.0750	1.21	05/07/2021 20:10	WG1666286
Benzene	U		0.000563	0.00150	1.21	05/07/2021 20:10	WG1666286
Bromochloromethane	U		0.000502	0.00150	1.21	05/07/2021 20:10	WG1666286
Bromodichloromethane	U		0.00109	0.00150	1.21	05/07/2021 20:10	WG1666286
Bromoform	U		0.000636	0.00150	1.21	05/07/2021 20:10	WG1666286
Bromomethane	U		0.00176	0.00750	1.21	05/07/2021 20:10	WG1666286
Carbon disulfide	U		0.00105	0.00150	1.21	05/07/2021 20:10	WG1666286
Carbon tetrachloride	U		0.000372	0.00150	1.21	05/07/2021 20:10	WG1666286
Chlorobenzene	U		0.000288	0.00150	1.21	05/07/2021 20:10	WG1666286
Chlorodibromomethane	U		0.000336	0.00150	1.21	05/07/2021 20:10	WG1666286
Chloroethane	U		0.00150	0.00750	1.21	05/07/2021 20:10	WG1666286
Chloroform	U		0.00155	0.00750	1.21	05/07/2021 20:10	WG1666286
Chloromethane	U		0.000975	0.00375	1.21	05/07/2021 20:10	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000402	0.00150	1.21	05/07/2021 20:10	WG1666286
1,2-Dibromo-3-Chloropropane	U		0.00285	0.00750	1.21	05/07/2021 20:10	WG1666286
1,2-Dibromoethane	U		0.000375	0.00150	1.21	05/07/2021 20:10	WG1666286
Dichlorodifluoromethane	U		0.000430	0.00750	1.21	05/07/2021 20:10	WG1666286
1,1-Dichloroethane	U		0.000402	0.00150	1.21	05/07/2021 20:10	WG1666286
1,2-Dichloroethane	U		0.000674	0.00150	1.21	05/07/2021 20:10	WG1666286
1,2-Dichlorobenzene	U		0.000637	0.00150	1.21	05/07/2021 20:10	WG1666286
1,3-Dichlorobenzene	U		0.000900	0.00150	1.21	05/07/2021 20:10	WG1666286
1,4-Dichlorobenzene	U		0.00124	0.00150	1.21	05/07/2021 20:10	WG1666286
1,1-Dichloroethene	U		0.000533	0.00150	1.21	05/07/2021 20:10	WG1666286
cis-1,2-Dichloroethene	U		0.000713	0.00150	1.21	05/07/2021 20:10	WG1666286
trans-1,2-Dichloroethene	U		0.000750	0.00150	1.21	05/07/2021 20:10	WG1666286
1,2-Dichloropropane	U		0.000245	0.00150	1.21	05/07/2021 20:10	WG1666286
cis-1,3-Dichloropropene	U		0.000637	0.00150	1.21	05/07/2021 20:10	WG1666286
trans-1,3-Dichloropropene	U		0.00101	0.00150	1.21	05/07/2021 20:10	WG1666286
Ethylbenzene	U		0.000450	0.00150	1.21	05/07/2021 20:10	WG1666286
2-Hexanone	U		0.00269	0.0150	1.21	05/07/2021 20:10	WG1666286
Isopropylbenzene	U		0.000637	0.00150	1.21	05/07/2021 20:10	WG1666286
2-Butanone (MEK)	U		0.00701	0.0150	1.21	05/07/2021 20:10	WG1666286
Methyl Acetate	U		0.00450	0.0300	1.21	05/07/2021 20:10	WG1666286
Methyl Cyclohexane	U		0.00116	0.00150	1.21	05/07/2021 20:10	WG1666286
Methylene Chloride	U		0.00150	0.00750	1.21	05/07/2021 20:10	WG1666286
4-Methyl-2-pentanone (MIBK)	U		0.00143	0.0150	1.21	05/07/2021 20:10	WG1666286
Methyl tert-butyl ether	U		0.000524	0.00150	1.21	05/07/2021 20:10	WG1666286
Styrene	U		0.000335	0.00150	1.21	05/07/2021 20:10	WG1666286
1,1,2,2-Tetrachloroethane	U		0.000347	0.00150	1.21	05/07/2021 20:10	WG1666286
Tetrachloroethene	U		0.000487	0.00150	1.21	05/07/2021 20:10	WG1666286
Toluene	U		0.00185	0.00750	1.21	05/07/2021 20:10	WG1666286
1,2,3-Trichlorobenzene	U		0.000459	0.00150	1.21	05/07/2021 20:10	WG1666286
1,2,4-Trichlorobenzene	U		0.000581	0.00150	1.21	05/07/2021 20:10	WG1666286
1,1,1-Trichloroethane	U		0.000555	0.00150	1.21	05/07/2021 20:10	WG1666286
1,1,2-Trichloroethane	U		0.000637	0.00150	1.21	05/07/2021 20:10	WG1666286
Trichloroethene	U		0.000300	0.00150	1.21	05/07/2021 20:10	WG1666286
Trichlorofluoromethane	U		0.000534	0.00750	1.21	05/07/2021 20:10	WG1666286
1,1,2-Trichlorotrifluoroethane	U		0.000638	0.00150	1.21	05/07/2021 20:10	WG1666286
Vinyl chloride	U		0.000338	0.00150	1.21	05/07/2021 20:10	WG1666286
Xylenes, Total	U		0.000750	0.00450	1.21	05/07/2021 20:10	WG1666286
(S) Toluene-d8	*110*			*75.0-131*		*05/07/2021 20:10*	WG1666286
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*05/07/2021 20:10*	WG1666286
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*05/07/2021 20:10*	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1.21	05/07/2021 20:10	WG1666286		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00466	0.0248	1	05/05/2021 21:20	WG1664100
Alpha BHC	U		0.00456	0.0248	1	05/05/2021 21:20	WG1664100
Beta BHC	U		0.00470	0.0248	1	05/05/2021 21:20	WG1664100
Delta BHC	U		0.00429	0.0248	1	05/05/2021 21:20	WG1664100
Gamma BHC	U		0.00426	0.0248	1	05/05/2021 21:20	WG1664100
Chlordane	U		0.128	0.372	1	05/05/2021 21:20	WG1664100
4,4-DDD	U		0.00459	0.0248	1	05/05/2021 21:20	WG1664100
4,4-DDE	U		0.00454	0.0248	1	05/05/2021 21:20	WG1664100
4,4-DDT	U		0.00777	0.0248	1	05/05/2021 21:20	WG1664100
Dieldrin	U		0.00426	0.0248	1	05/05/2021 21:20	WG1664100
Endosulfan I	U		0.00450	0.0248	1	05/05/2021 21:20	WG1664100
Endosulfan II	U		0.00415	0.0248	1	05/05/2021 21:20	WG1664100
Endosulfan sulfate	U		0.00451	0.0248	1	05/05/2021 21:20	WG1664100
Endrin	U		0.00434	0.0248	1	05/05/2021 21:20	WG1664100
Endrin aldehyde	U		0.00420	0.0248	1	05/05/2021 21:20	WG1664100
Endrin ketone	U		0.00881	0.0248	1	05/05/2021 21:20	WG1664100
Hexachlorobenzene	U		0.00429	0.0248	1	05/05/2021 21:20	WG1664100
Heptachlor	U		0.00530	0.0248	1	05/05/2021 21:20	WG1664100
Heptachlor epoxide	U		0.00420	0.0248	1	05/05/2021 21:20	WG1664100
Methoxychlor	U		0.00600	0.0248	1	05/05/2021 21:20	WG1664100
Toxaphene	U		0.154	0.496	1	05/05/2021 21:20	WG1664100
(S) Decachlorobiphenyl	*97.0*			*30.0-150*		*05/05/2021 21:20*	WG1664100
(S) Tetrachloro-m-xylene	*87.2*			*30.0-150*		*05/05/2021 21:20*	WG1664100

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0146	0.0421	1	05/05/2021 19:24	WG1664100
PCB 1221	U		0.0146	0.0421	1	05/05/2021 19:24	WG1664100
PCB 1232	U		0.0146	0.0421	1	05/05/2021 19:24	WG1664100
PCB 1242	U		0.0146	0.0421	1	05/05/2021 19:24	WG1664100
PCB 1248	U		0.00915	0.0211	1	05/05/2021 19:24	WG1664100
PCB 1254	U		0.00915	0.0211	1	05/05/2021 19:24	WG1664100
PCB 1260	U		0.00915	0.0211	1	05/05/2021 19:24	WG1664100
Total PCBs	U		0.00915	0.0211	1	05/05/2021 19:24	WG1664100
(S) Decachlorobiphenyl	*115*			*30.0-150*		*05/05/2021 19:24*	WG1664100
(S) Tetrachloro-m-xylene	*69.4*			*30.0-150*		*05/05/2021 19:24*	WG1664100

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00668	0.0413	1	05/08/2021 19:29	WG1666711
Acenaphthylene	0.00995	J J4	0.00581	0.0413	1	05/08/2021 19:29	WG1666711
Acetophenone	U	J4	0.0129	0.413	1	05/08/2021 19:29	WG1666711
Anthracene	0.0101	J J4	0.00735	0.0413	1	05/08/2021 19:29	WG1666711
Atrazine	U		0.0143	0.413	1	05/08/2021 19:29	WG1666711
Benzaldehyde	U		0.0219	0.413	1	05/08/2021 19:29	WG1666711
Benzo(a)anthracene	0.107	J4	0.00727	0.0413	1	05/08/2021 19:29	WG1666711
Benzo(b)fluoranthene	0.145	J4	0.00770	0.0413	1	05/08/2021 19:29	WG1666711
Benzo(k)fluoranthene	0.0430	J4	0.00734	0.0413	1	05/08/2021 19:29	WG1666711
Benzo(g,h,i)perylene	0.0556	J4	0.00755	0.0413	1	05/08/2021 19:29	WG1666711
Benzo(a)pyrene	0.0998	J4	0.00767	0.0413	1	05/08/2021 19:29	WG1666711
Biphenyl	U	J4	0.0131	0.413	1	05/08/2021 19:29	WG1666711
Bis(2-chlorethoxy)methane	U	J4	0.0124	0.413	1	05/08/2021 19:29	WG1666711
Bis(2-chloroethyl)ether	U	J4	0.0136	0.413	1	05/08/2021 19:29	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0178	0.413	1	05/08/2021 19:29	WG1666711
4-Bromophenyl-phenylether	U	J4	0.0145	0.413	1	05/08/2021 19:29	WG1666711
Caprolactam	U		0.0204	0.413	1	05/08/2021 19:29	WG1666711
Carbazole	U	J4	0.0128	0.413	1	05/08/2021 19:29	WG1666711
4-Chloroaniline	U	J4	0.0149	0.413	1	05/08/2021 19:29	WG1666711
2-Chloronaphthalene	U	J4	0.00725	0.0413	1	05/08/2021 19:29	WG1666711
4-Chlorophenyl-phenylether	U	J4	0.0144	0.413	1	05/08/2021 19:29	WG1666711
Chrysene	0.146	J4	0.00820	0.0413	1	05/08/2021 19:29	WG1666711
Dibenz(a,h)anthracene	0.0176	J J4	0.0114	0.0413	1	05/08/2021 19:29	WG1666711
Dibenzofuran	U	J4	0.0135	0.413	1	05/08/2021 19:29	WG1666711
3,3-Dichlorobenzidine	U	J4	0.0152	0.413	1	05/08/2021 19:29	WG1666711
2,4-Dinitrotoluene	U		0.0118	0.413	1	05/08/2021 19:29	WG1666711
2,6-Dinitrotoluene	U	J4	0.0135	0.413	1	05/08/2021 19:29	WG1666711
Fluoranthene	0.161	J4	0.00745	0.0413	1	05/08/2021 19:29	WG1666711
Fluorene	U	J4	0.00672	0.0413	1	05/08/2021 19:29	WG1666711
Hexachlorobenzene	U	J4	0.0146	0.413	1	05/08/2021 19:29	WG1666711
Hexachloro-1,3-butadiene	U	J4	0.0139	0.413	1	05/08/2021 19:29	WG1666711
Hexachlorocyclopentadiene	U		0.0217	0.413	1	05/08/2021 19:29	WG1666711
Hexachloroethane	U		0.0162	0.413	1	05/08/2021 19:29	WG1666711
Indeno(1,2,3-cd)pyrene	0.0620	J4	0.0117	0.0413	1	05/08/2021 19:29	WG1666711
Isophorone	U	J4	0.0126	0.413	1	05/08/2021 19:29	WG1666711
2-Methylnaphthalene	0.0166	J J4	0.00535	0.0413	1	05/08/2021 19:29	WG1666711
Naphthalene	0.0154	J J4	0.0104	0.0413	1	05/08/2021 19:29	WG1666711
2-Nitroaniline	U	J4	0.0133	0.413	1	05/08/2021 19:29	WG1666711
3-Nitroaniline	U	J4	0.0131	0.413	1	05/08/2021 19:29	WG1666711
4-Nitroaniline	U		0.0120	0.413	1	05/08/2021 19:29	WG1666711
Nitrobenzene	U	J4	0.0144	0.413	1	05/08/2021 19:29	WG1666711
n-Nitrosodiphenylamine	U		0.0312	0.413	1	05/08/2021 19:29	WG1666711
n-Nitrosodi-n-propylamine	U	J4	0.0138	0.413	1	05/08/2021 19:29	WG1666711
Phenanthrene	0.150	J4	0.00819	0.0413	1	05/08/2021 19:29	WG1666711
Benzylbutyl phthalate	U	J4	0.0129	0.413	1	05/08/2021 19:29	WG1666711
Bis(2-ethylhexyl)phthalate	U	J4	0.0523	0.413	1	05/08/2021 19:29	WG1666711
Di-n-butyl phthalate	U	J4	0.0141	0.413	1	05/08/2021 19:29	WG1666711
Diethyl phthalate	U	J4	0.0136	0.413	1	05/08/2021 19:29	WG1666711
Dimethyl phthalate	U	J4	0.0875	0.413	1	05/08/2021 19:29	WG1666711
Di-n-octyl phthalate	U	J4	0.0279	0.413	1	05/08/2021 19:29	WG1666711
Pyrene	0.166	J4	0.00803	0.0413	1	05/08/2021 19:29	WG1666711
1,2,4,5-Tetrachlorobenzene	U		0.0197	0.413	1	05/08/2021 19:29	WG1666711
4-Chloro-3-methylphenol	U	J4	0.0134	0.413	1	05/08/2021 19:29	WG1666711
2-Chlorophenol	U	J4	0.0136	0.413	1	05/08/2021 19:29	WG1666711
2-Methylphenol	U	J4	0.0124	0.413	1	05/08/2021 19:29	WG1666711
3&4-Methyl Phenol	U		0.0129	0.413	1	05/08/2021 19:29	WG1666711
2,4-Dichlorophenol	U	J4	0.0120	0.413	1	05/08/2021 19:29	WG1666711
2,4-Dimethylphenol	U	J4	0.0108	0.413	1	05/08/2021 19:29	WG1666711
4,6-Dinitro-2-methylphenol	U	J4	0.0936	0.413	1	05/08/2021 19:29	WG1666711
2,4-Dinitrophenol	U		0.0965	0.413	1	05/08/2021 19:29	WG1666711
2-Nitrophenol	U	J4	0.0147	0.413	1	05/08/2021 19:29	WG1666711
4-Nitrophenol	U		0.0129	0.413	1	05/08/2021 19:29	WG1666711
Pentachlorophenol	U		0.0111	0.413	1	05/08/2021 19:29	WG1666711
Phenol	U		0.0166	0.413	1	05/08/2021 19:29	WG1666711
2,4,5-Trichlorophenol	U	J4	0.0140	0.413	1	05/08/2021 19:29	WG1666711
2,4,6-Trichlorophenol	U	J4	0.0133	0.413	1	05/08/2021 19:29	WG1666711
(S) 2-Fluorophenol	*62.5*			*30.0-130*		*05/08/2021 19:29*	WG1666711
(S) Phenol-d5	*58.1*			*30.0-130*		*05/08/2021 19:29*	WG1666711
(S) Nitrobenzene-d5	*52.2*			*30.0-130*		*05/08/2021 19:29*	WG1666711
(S) 2-Fluorobiphenyl	*69.6*			*30.0-130*		*05/08/2021 19:29*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*81.2*			*30.0-130*		*05/08/2021 19:29*	WG1666711
(S) p-Terphenyl-d14	*67.1*			*30.0-130*		*05/08/2021 19:29*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	1.41	J N	0.000	0.000	1	05/08/2021 19:29	WG1666711		
Unknown-02	0.452	J N	0.000	0.000	1	05/08/2021 19:29	WG1666711	000123-42-2	2.21
Phenanthrene, 4-Methyl-	0.130	J N	0.000	0.000	1	05/08/2021 19:29	WG1666711	000832-64-4	6.35
2-Phenylnaphthalene	0.112	J N	0.000	0.000	1	05/08/2021 19:29	WG1666711	035465-71-5	6.56
Benzo[J]Fluoranthene	0.0886	J N	0.000	0.000	1	05/08/2021 19:29	WG1666711	000205-82-3	10.55
Anthrone	0.0820	J N	0.000	0.000	1	05/08/2021 19:29	WG1666711	000090-44-8	6.08
Anthracene, 9-Methyl-	0.0797	J N	0.000	0.000	1	05/08/2021 19:29	WG1666711	000779-02-2	6.33
Unknown-06	0.0605	J N	0.000	0.000	1	05/08/2021 19:29	WG1666711	030995-64-3	6.19
7H-Benz[De]Anthracen-7-One	0.0589	J N	0.000	0.000	1	05/08/2021 19:29	WG1666711	000082-05-3	7.94
9H-Fluoren-9-One	0.0570	J N	0.000	0.000	1	05/08/2021 19:29	WG1666711	000486-25-9	5.79
Anthracene, 1-Methyl-	0.0542	J N	0.000	0.000	1	05/08/2021 19:29	WG1666711	000610-48-0	6.42
2-Methylchrysene	0.0497	J N	0.000	0.000	1	05/08/2021 19:29	WG1666711	003351-32-4	8.99
Unknown-03	0.0490	J N	0.000	0.000	1	05/08/2021 19:29	WG1666711	001068-19-5	2.61
Unknown-08	0.0475	J N	0.000	0.000	1	05/08/2021 19:29	WG1666711	004827-07-0	7.37
Phenanthrene, 2,5-Dimethyl-	0.0457	J N	0.000	0.000	1	05/08/2021 19:29	WG1666711	003674-66-6	6.77
Unknown-04	0.0455	J N	0.000	0.000	1	05/08/2021 19:29	WG1666711	000565-61-7	2.85

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.3		1	05/04/2021 14:01	WG1664019

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0769	0.262	1	05/11/2021 19:12	WG1668185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0285	J	0.0189	0.0420	1	05/06/2021 16:27	WG1662823

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	3310		6.38	10.5	1	05/07/2021 08:15	WG1662844
Antimony	U		0.571	2.10	1	05/07/2021 08:15	WG1662844
Arsenic	4.38		0.543	2.10	1	05/07/2021 08:15	WG1662844
Barium	24.2		0.0894	0.524	1	05/07/2021 08:15	WG1662844
Beryllium	0.291		0.0330	0.210	1	05/07/2021 08:15	WG1662844
Cadmium	0.0873	J	0.0494	0.524	1	05/07/2021 08:15	WG1662844
Calcium	3270		11.1	105	1	05/07/2021 08:15	WG1662844
Chromium	6.60		0.139	1.05	1	05/07/2021 08:15	WG1662844
Cobalt	2.91		0.0851	1.05	1	05/07/2021 08:15	WG1662844
Copper	5.75		0.420	2.10	1	05/07/2021 08:15	WG1662844
Iron	6670		2.35	10.5	1	05/07/2021 08:15	WG1662844
Lead	135		0.218	0.524	1	05/07/2021 08:15	WG1662844
Magnesium	1420		7.74	105	1	05/07/2021 08:15	WG1662844
Manganese	36.4		0.139	1.05	1	05/07/2021 08:15	WG1662844
Nickel	4.48		0.138	2.10	1	05/07/2021 08:15	WG1662844
Potassium	681		21.9	105	1	05/07/2021 08:15	WG1662844
Selenium	U		0.801	2.10	1	05/07/2021 08:15	WG1662844
Silver	U		0.133	1.05	1	05/07/2021 08:15	WG1662844
Sodium	75.6	J	43.2	105	1	05/07/2021 08:15	WG1662844
Thallium	U		0.413	2.10	1	05/07/2021 08:15	WG1662844
Vanadium	12.4		0.531	2.10	1	05/07/2021 08:15	WG1662844
Zinc	67.6		0.873	5.24	1	05/07/2021 08:15	WG1662844

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0288	J	0.0217	0.0524	1	05/07/2021 20:32	WG1666286
Benzene	U		0.000393	0.00105	1	05/07/2021 20:32	WG1666286
Bromochloromethane	U		0.000351	0.00105	1	05/07/2021 20:32	WG1666286
Bromodichloromethane	U		0.000760	0.00105	1	05/07/2021 20:32	WG1666286
Bromoform	U		0.000445	0.00105	1	05/07/2021 20:32	WG1666286
Bromomethane	U		0.00123	0.00524	1	05/07/2021 20:32	WG1666286
Carbon disulfide	U		0.000734	0.00105	1	05/07/2021 20:32	WG1666286
Carbon tetrachloride	U		0.000260	0.00105	1	05/07/2021 20:32	WG1666286
Chlorobenzene	U		0.000201	0.00105	1	05/07/2021 20:32	WG1666286
Chlorodibromomethane	U		0.000235	0.00105	1	05/07/2021 20:32	WG1666286
Chloroethane	U		0.00105	0.00524	1	05/07/2021 20:32	WG1666286
Chloroform	U		0.00108	0.00524	1	05/07/2021 20:32	WG1666286
Chloromethane	U		0.000682	0.00262	1	05/07/2021 20:32	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000281	0.00105	1	05/07/2021 20:32	WG1666286
1,2-Dibromo-3-Chloropropane	U		0.00199	0.00524	1	05/07/2021 20:32	WG1666286
1,2-Dibromoethane	U		0.000262	0.00105	1	05/07/2021 20:32	WG1666286
Dichlorodifluoromethane	U		0.000301	0.00524	1	05/07/2021 20:32	WG1666286
1,1-Dichloroethane	U		0.000281	0.00105	1	05/07/2021 20:32	WG1666286
1,2-Dichloroethane	U		0.000472	0.00105	1	05/07/2021 20:32	WG1666286
1,2-Dichlorobenzene	U		0.000446	0.00105	1	05/07/2021 20:32	WG1666286
1,3-Dichlorobenzene	U		0.000629	0.00105	1	05/07/2021 20:32	WG1666286
1,4-Dichlorobenzene	U		0.000871	0.00105	1	05/07/2021 20:32	WG1666286
1,1-Dichloroethene	U		0.000372	0.00105	1	05/07/2021 20:32	WG1666286
cis-1,2-Dichloroethene	U		0.000498	0.00105	1	05/07/2021 20:32	WG1666286
trans-1,2-Dichloroethene	U		0.000524	0.00105	1	05/07/2021 20:32	WG1666286
1,2-Dichloropropane	U		0.000172	0.00105	1	05/07/2021 20:32	WG1666286
cis-1,3-Dichloropropene	U		0.000446	0.00105	1	05/07/2021 20:32	WG1666286
trans-1,3-Dichloropropene	U		0.000708	0.00105	1	05/07/2021 20:32	WG1666286
Ethylbenzene	U		0.000315	0.00105	1	05/07/2021 20:32	WG1666286
2-Hexanone	U		0.00188	0.0105	1	05/07/2021 20:32	WG1666286
Isopropylbenzene	U		0.000446	0.00105	1	05/07/2021 20:32	WG1666286
2-Butanone (MEK)	U		0.00491	0.0105	1	05/07/2021 20:32	WG1666286
Methyl Acetate	U		0.00315	0.0210	1	05/07/2021 20:32	WG1666286
Methyl Cyclohexane	U		0.000813	0.00105	1	05/07/2021 20:32	WG1666286
Methylene Chloride	U		0.00105	0.00524	1	05/07/2021 20:32	WG1666286
4-Methyl-2-pentanone (MIBK)	U		0.000996	0.0105	1	05/07/2021 20:32	WG1666286
Methyl tert-butyl ether	U		0.000367	0.00105	1	05/07/2021 20:32	WG1666286
Styrene	U		0.000234	0.00105	1	05/07/2021 20:32	WG1666286
1,1,2,2-Tetrachloroethane	U		0.000242	0.00105	1	05/07/2021 20:32	WG1666286
Tetrachloroethene	U		0.000341	0.00105	1	05/07/2021 20:32	WG1666286
Toluene	U		0.00129	0.00524	1	05/07/2021 20:32	WG1666286
1,2,3-Trichlorobenzene	U		0.000321	0.00105	1	05/07/2021 20:32	WG1666286
1,2,4-Trichlorobenzene	U		0.000407	0.00105	1	05/07/2021 20:32	WG1666286
1,1,1-Trichloroethane	U		0.000388	0.00105	1	05/07/2021 20:32	WG1666286
1,1,2-Trichloroethane	U		0.000446	0.00105	1	05/07/2021 20:32	WG1666286
Trichloroethene	U		0.000210	0.00105	1	05/07/2021 20:32	WG1666286
Trichlorofluoromethane	U		0.000373	0.00524	1	05/07/2021 20:32	WG1666286
1,1,2-Trichlorotrifluoroethane	U		0.000447	0.00105	1	05/07/2021 20:32	WG1666286
Vinyl chloride	U		0.000237	0.00105	1	05/07/2021 20:32	WG1666286
Xylenes, Total	U		0.000524	0.00315	1	05/07/2021 20:32	WG1666286
(S) Toluene-d8	*112*			*75.0-131*		*05/07/2021 20:32*	WG1666286
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*05/07/2021 20:32*	WG1666286
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*05/07/2021 20:32*	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/07/2021 20:32	WG1666286		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00394	0.0210	1	05/05/2021 21:34	WG1664100
Alpha BHC	U		0.00386	0.0210	1	05/05/2021 21:34	WG1664100
Beta BHC	U		0.00398	0.0210	1	05/05/2021 21:34	WG1664100
Delta BHC	U		0.00363	0.0210	1	05/05/2021 21:34	WG1664100
Gamma BHC	U		0.00361	0.0210	1	05/05/2021 21:34	WG1664100
Chlordane	U		0.108	0.315	1	05/05/2021 21:34	WG1664100
4,4-DDD	U		0.00388	0.0210	1	05/05/2021 21:34	WG1664100
4,4-DDE	U		0.00384	0.0210	1	05/05/2021 21:34	WG1664100
4,4-DDT	U		0.00658	0.0210	1	05/05/2021 21:34	WG1664100
Dieldrin	U		0.00361	0.0210	1	05/05/2021 21:34	WG1664100
Endosulfan I	U		0.00381	0.0210	1	05/05/2021 21:34	WG1664100
Endosulfan II	U		0.00351	0.0210	1	05/05/2021 21:34	WG1664100
Endosulfan sulfate	U		0.00382	0.0210	1	05/05/2021 21:34	WG1664100
Endrin	U		0.00367	0.0210	1	05/05/2021 21:34	WG1664100
Endrin aldehyde	U		0.00356	0.0210	1	05/05/2021 21:34	WG1664100
Endrin ketone	U		0.00746	0.0210	1	05/05/2021 21:34	WG1664100
Hexachlorobenzene	U		0.00363	0.0210	1	05/05/2021 21:34	WG1664100
Heptachlor	U		0.00449	0.0210	1	05/05/2021 21:34	WG1664100
Heptachlor epoxide	U		0.00356	0.0210	1	05/05/2021 21:34	WG1664100
Methoxychlor	U		0.00508	0.0210	1	05/05/2021 21:34	WG1664100
Toxaphene	U		0.130	0.420	1	05/05/2021 21:34	WG1664100
(S) Decachlorobiphenyl	*57.3*			*30.0-150*		*05/05/2021 21:34*	WG1664100
(S) Tetrachloro-m-xylene	*43.0*			*30.0-150*		*05/05/2021 21:34*	WG1664100

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0124	0.0357	1	05/05/2021 19:34	WG1664100
PCB 1221	U		0.0124	0.0357	1	05/05/2021 19:34	WG1664100
PCB 1232	U		0.0124	0.0357	1	05/05/2021 19:34	WG1664100
PCB 1242	U		0.0124	0.0357	1	05/05/2021 19:34	WG1664100
PCB 1248	U		0.00774	0.0178	1	05/05/2021 19:34	WG1664100
PCB 1254	U		0.00774	0.0178	1	05/05/2021 19:34	WG1664100
PCB 1260	U		0.00774	0.0178	1	05/05/2021 19:34	WG1664100
Total PCBs	U		0.00774	0.0178	1	05/05/2021 19:34	WG1664100
(S) Decachlorobiphenyl	*68.8*			*30.0-150*		*05/05/2021 19:34*	WG1664100
(S) Tetrachloro-m-xylene	*59.6*			*30.0-150*		*05/05/2021 19:34*	WG1664100

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00565	0.0349	1	05/08/2021 19:08	WG1666711
Acenaphthylene	U	J4	0.00492	0.0349	1	05/08/2021 19:08	WG1666711
Acetophenone	U	J4	0.0109	0.349	1	05/08/2021 19:08	WG1666711
Anthracene	U	J4	0.00622	0.0349	1	05/08/2021 19:08	WG1666711
Atrazine	U		0.0121	0.349	1	05/08/2021 19:08	WG1666711
Benzaldehyde	U		0.0186	0.349	1	05/08/2021 19:08	WG1666711
Benzo(a)anthracene	0.0188	J J4	0.00616	0.0349	1	05/08/2021 19:08	WG1666711
Benzo(b)fluoranthene	0.0356	J4	0.00651	0.0349	1	05/08/2021 19:08	WG1666711
Benzo(k)fluoranthene	0.00920	J J4	0.00621	0.0349	1	05/08/2021 19:08	WG1666711
Benzo(g,h,i)perylene	0.0131	J J4	0.00639	0.0349	1	05/08/2021 19:08	WG1666711
Benzo(a)pyrene	0.0165	J J4	0.00649	0.0349	1	05/08/2021 19:08	WG1666711
Biphenyl	U	J4	0.0111	0.349	1	05/08/2021 19:08	WG1666711
Bis(2-chlorethoxy)methane	U	J4	0.0105	0.349	1	05/08/2021 19:08	WG1666711
Bis(2-chloroethyl)ether	U	J4	0.0115	0.349	1	05/08/2021 19:08	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0151	0.349	1	05/08/2021 19:08	WG1666711
4-Bromophenyl-phenylether	U	J4	0.0123	0.349	1	05/08/2021 19:08	WG1666711
Caprolactam	U		0.0173	0.349	1	05/08/2021 19:08	WG1666711
Carbazole	U	J4	0.0108	0.349	1	05/08/2021 19:08	WG1666711
4-Chloroaniline	U	J4	0.0126	0.349	1	05/08/2021 19:08	WG1666711
2-Chloronaphthalene	U	J4	0.00614	0.0349	1	05/08/2021 19:08	WG1666711
4-Chlorophenyl-phenylether	U	J4	0.0122	0.349	1	05/08/2021 19:08	WG1666711
Chrysene	0.0437	J4	0.00694	0.0349	1	05/08/2021 19:08	WG1666711
Dibenz(a,h)anthracene	U	J4	0.00968	0.0349	1	05/08/2021 19:08	WG1666711
Dibenzofuran	U	J4	0.0114	0.349	1	05/08/2021 19:08	WG1666711
3,3-Dichlorobenzidine	U	J4	0.0129	0.349	1	05/08/2021 19:08	WG1666711
2,4-Dinitrotoluene	U		0.0100	0.349	1	05/08/2021 19:08	WG1666711
2,6-Dinitrotoluene	U	J4	0.0114	0.349	1	05/08/2021 19:08	WG1666711
Fluoranthene	0.0317	J J4	0.00630	0.0349	1	05/08/2021 19:08	WG1666711
Fluorene	U	J4	0.00568	0.0349	1	05/08/2021 19:08	WG1666711
Hexachlorobenzene	U	J4	0.0124	0.349	1	05/08/2021 19:08	WG1666711
Hexachloro-1,3-butadiene	U	J4	0.0117	0.349	1	05/08/2021 19:08	WG1666711
Hexachlorocyclopentadiene	U		0.0184	0.349	1	05/08/2021 19:08	WG1666711
Hexachloroethane	U		0.0137	0.349	1	05/08/2021 19:08	WG1666711
Indeno(1,2,3-cd)pyrene	0.0142	J J4	0.00987	0.0349	1	05/08/2021 19:08	WG1666711
Isophorone	U	J4	0.0107	0.349	1	05/08/2021 19:08	WG1666711
2-Methylnaphthalene	0.00498	J J4	0.00453	0.0349	1	05/08/2021 19:08	WG1666711
Naphthalene	U	J4	0.00877	0.0349	1	05/08/2021 19:08	WG1666711
2-Nitroaniline	U	J4	0.0112	0.349	1	05/08/2021 19:08	WG1666711
3-Nitroaniline	U	J4	0.0111	0.349	1	05/08/2021 19:08	WG1666711
4-Nitroaniline	U		0.0102	0.349	1	05/08/2021 19:08	WG1666711
Nitrobenzene	U	J4	0.0122	0.349	1	05/08/2021 19:08	WG1666711
n-Nitrosodiphenylamine	U		0.0264	0.349	1	05/08/2021 19:08	WG1666711
n-Nitrosodi-n-propylamine	U	J4	0.0116	0.349	1	05/08/2021 19:08	WG1666711
Phenanthrene	0.0414	J4	0.00693	0.0349	1	05/08/2021 19:08	WG1666711
Benzylbutyl phthalate	U	J4	0.0109	0.349	1	05/08/2021 19:08	WG1666711
Bis(2-ethylhexyl)phthalate	U	J4	0.0443	0.349	1	05/08/2021 19:08	WG1666711
Di-n-butyl phthalate	U	J4	0.0120	0.349	1	05/08/2021 19:08	WG1666711
Diethyl phthalate	U	J4	0.0115	0.349	1	05/08/2021 19:08	WG1666711
Dimethyl phthalate	U	J4	0.0740	0.349	1	05/08/2021 19:08	WG1666711
Di-n-octyl phthalate	U	J4	0.0236	0.349	1	05/08/2021 19:08	WG1666711
Pyrene	0.0281	J J4	0.00680	0.0349	1	05/08/2021 19:08	WG1666711
1,2,4,5-Tetrachlorobenzene	U		0.0167	0.349	1	05/08/2021 19:08	WG1666711
4-Chloro-3-methylphenol	U	J4	0.0113	0.349	1	05/08/2021 19:08	WG1666711
2-Chlorophenol	U	J4	0.0115	0.349	1	05/08/2021 19:08	WG1666711
2-Methylphenol	U	J4	0.0105	0.349	1	05/08/2021 19:08	WG1666711
3&4-Methyl Phenol	U		0.0109	0.349	1	05/08/2021 19:08	WG1666711
2,4-Dichlorophenol	U	J4	0.0102	0.349	1	05/08/2021 19:08	WG1666711
2,4-Dimethylphenol	U	J4	0.00912	0.349	1	05/08/2021 19:08	WG1666711
4,6-Dinitro-2-methylphenol	U	J4	0.0792	0.349	1	05/08/2021 19:08	WG1666711
2,4-Dinitrophenol	U		0.0817	0.349	1	05/08/2021 19:08	WG1666711
2-Nitrophenol	U	J4	0.0125	0.349	1	05/08/2021 19:08	WG1666711
4-Nitrophenol	U		0.0109	0.349	1	05/08/2021 19:08	WG1666711
Pentachlorophenol	U		0.00940	0.349	1	05/08/2021 19:08	WG1666711
Phenol	U		0.0141	0.349	1	05/08/2021 19:08	WG1666711
2,4,5-Trichlorophenol	U	J4	0.0119	0.349	1	05/08/2021 19:08	WG1666711
2,4,6-Trichlorophenol	U	J4	0.0112	0.349	1	05/08/2021 19:08	WG1666711
(S) 2-Fluorophenol	*60.5*			*30.0-130*		*05/08/2021 19:08*	WG1666711
(S) Phenol-d5	*57.6*			*30.0-130*		*05/08/2021 19:08*	WG1666711
(S) Nitrobenzene-d5	*51.1*			*30.0-130*		*05/08/2021 19:08*	WG1666711
(S) 2-Fluorobiphenyl	*67.5*			*30.0-130*		*05/08/2021 19:08*	WG1666711

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*78.6*			*30.0-130*		*05/08/2021 19:08*	WG1666711
(S) p-Terphenyl-d14	*65.3*			*30.0-130*		*05/08/2021 19:08*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.263	J N	0.000	0.000	1	05/08/2021 19:08	WG1666711		
Unknown-01	0.184	J N	0.000	0.000	1	05/08/2021 19:08	WG1666711	000123-42-2	2.21
Unknown-02	0.0408	J N	0.000	0.000	1	05/08/2021 19:08	WG1666711	000105-21-5	2.61
Unknown-03	0.0387	J N	0.000	0.000	1	05/08/2021 19:08	WG1666711	000000-00-0	8.34

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.1		1	05/04/2021 14:01	WG1664019

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0804	0.274	1	05/11/2021 19:13	WG1668185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0198	0.0439	1	05/06/2021 16:29	WG1662823

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	5970		6.67	11.0	1	05/07/2021 08:17	WG1662844
Antimony	1.03	J	0.597	2.19	1	05/07/2021 08:17	WG1662844
Arsenic	4.99		0.568	2.19	1	05/07/2021 08:17	WG1662844
Barium	21.7		0.0935	0.549	1	05/07/2021 08:17	WG1662844
Beryllium	0.366		0.0346	0.219	1	05/07/2021 08:17	WG1662844
Cadmium	U		0.0517	0.549	1	05/07/2021 08:17	WG1662844
Calcium	6490		11.6	110	1	05/07/2021 08:17	WG1662844
Chromium	13.4		0.146	1.10	1	05/07/2021 08:17	WG1662844
Cobalt	4.10		0.0890	1.10	1	05/07/2021 08:17	WG1662844
Copper	5.79		0.439	2.19	1	05/07/2021 08:17	WG1662844
Iron	12300		2.46	11.0	1	05/07/2021 08:17	WG1662844
Lead	31.7		0.228	0.549	1	05/07/2021 08:17	WG1662844
Magnesium	5740		8.10	110	1	05/07/2021 08:17	WG1662844
Manganese	83.1		0.146	1.10	1	05/07/2021 08:17	WG1662844
Nickel	7.02		0.145	2.19	1	05/07/2021 08:17	WG1662844
Potassium	1510		22.9	110	1	05/07/2021 08:17	WG1662844
Selenium	U		0.838	2.19	1	05/07/2021 08:17	WG1662844
Silver	U		0.139	1.10	1	05/07/2021 08:17	WG1662844
Sodium	110	J	45.2	110	1	05/07/2021 08:17	WG1662844
Thallium	U		0.432	2.19	1	05/07/2021 08:17	WG1662844
Vanadium	17.5		0.555	2.19	1	05/07/2021 08:17	WG1662844
Zinc	35.5		0.913	5.49	1	05/07/2021 08:17	WG1662844

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0555	C5 J4	0.0227	0.0549	1	05/08/2021 16:10	WG1666722
Benzene	U		0.000412	0.00110	1	05/08/2021 16:10	WG1666722
Bromochloromethane	U		0.000368	0.00110	1	05/08/2021 16:10	WG1666722
Bromodichloromethane	U		0.000796	0.00110	1	05/08/2021 16:10	WG1666722
Bromoform	U		0.000465	0.00110	1	05/08/2021 16:10	WG1666722
Bromomethane	U		0.00128	0.00549	1	05/08/2021 16:10	WG1666722
Carbon disulfide	U		0.000768	0.00110	1	05/08/2021 16:10	WG1666722
Carbon tetrachloride	U		0.000272	0.00110	1	05/08/2021 16:10	WG1666722
Chlorobenzene	U		0.000211	0.00110	1	05/08/2021 16:10	WG1666722
Chlorodibromomethane	U		0.000246	0.00110	1	05/08/2021 16:10	WG1666722
Chloroethane	U		0.00110	0.00549	1	05/08/2021 16:10	WG1666722
Chloroform	U		0.00113	0.00549	1	05/08/2021 16:10	WG1666722
Chloromethane	U		0.000713	0.00274	1	05/08/2021 16:10	WG1666722

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000294	0.00110	1	05/08/2021 16:10	WG1666722
1,2-Dibromo-3-Chloropropane	U		0.00208	0.00549	1	05/08/2021 16:10	WG1666722
1,2-Dibromoethane	U		0.000274	0.00110	1	05/08/2021 16:10	WG1666722
Dichlorodifluoromethane	U		0.000315	0.00549	1	05/08/2021 16:10	WG1666722
1,1-Dichloroethane	U		0.000294	0.00110	1	05/08/2021 16:10	WG1666722
1,2-Dichloroethane	U		0.000494	0.00110	1	05/08/2021 16:10	WG1666722
1,2-Dichlorobenzene	U		0.000466	0.00110	1	05/08/2021 16:10	WG1666722
1,3-Dichlorobenzene	U		0.000658	0.00110	1	05/08/2021 16:10	WG1666722
1,4-Dichlorobenzene	U		0.000911	0.00110	1	05/08/2021 16:10	WG1666722
1,1-Dichloroethene	U		0.000390	0.00110	1	05/08/2021 16:10	WG1666722
cis-1,2-Dichloroethene	U		0.000521	0.00110	1	05/08/2021 16:10	WG1666722
trans-1,2-Dichloroethene	U		0.000549	0.00110	1	05/08/2021 16:10	WG1666722
1,2-Dichloropropane	U		0.000180	0.00110	1	05/08/2021 16:10	WG1666722
cis-1,3-Dichloropropene	U		0.000466	0.00110	1	05/08/2021 16:10	WG1666722
trans-1,3-Dichloropropene	U		0.000741	0.00110	1	05/08/2021 16:10	WG1666722
Ethylbenzene	U		0.000329	0.00110	1	05/08/2021 16:10	WG1666722
2-Hexanone	U		0.00196	0.0110	1	05/08/2021 16:10	WG1666722
Isopropylbenzene	U		0.000466	0.00110	1	05/08/2021 16:10	WG1666722
2-Butanone (MEK)	U		0.00514	0.0110	1	05/08/2021 16:10	WG1666722
Methyl Acetate	U		0.00329	0.0219	1	05/08/2021 16:10	WG1666722
Methyl Cyclohexane	U		0.000850	0.00110	1	05/08/2021 16:10	WG1666722
Methylene Chloride	U		0.00110	0.00549	1	05/08/2021 16:10	WG1666722
4-Methyl-2-pentanone (MIBK)	U		0.00104	0.0110	1	05/08/2021 16:10	WG1666722
Methyl tert-butyl ether	U		0.000384	0.00110	1	05/08/2021 16:10	WG1666722
Styrene	U		0.000245	0.00110	1	05/08/2021 16:10	WG1666722
1,1,2,2-Tetrachloroethane	U		0.000253	0.00110	1	05/08/2021 16:10	WG1666722
Tetrachloroethene	U		0.000357	0.00110	1	05/08/2021 16:10	WG1666722
Toluene	U		0.00135	0.00549	1	05/08/2021 16:10	WG1666722
1,2,3-Trichlorobenzene	U		0.000336	0.00110	1	05/08/2021 16:10	WG1666722
1,2,4-Trichlorobenzene	U		0.000426	0.00110	1	05/08/2021 16:10	WG1666722
1,1,1-Trichloroethane	U		0.000406	0.00110	1	05/08/2021 16:10	WG1666722
1,1,2-Trichloroethane	U		0.000466	0.00110	1	05/08/2021 16:10	WG1666722
Trichloroethene	U		0.000219	0.00110	1	05/08/2021 16:10	WG1666722
Trichlorofluoromethane	U		0.000391	0.00549	1	05/08/2021 16:10	WG1666722
1,1,2-Trichlorotrifluoroethane	U		0.000467	0.00110	1	05/08/2021 16:10	WG1666722
Vinyl chloride	U		0.000248	0.00110	1	05/08/2021 16:10	WG1666722
Xylenes, Total	0.000779	B J	0.000549	0.00329	1	05/08/2021 16:10	WG1666722
(S) Toluene-d8	*104*			*75.0-131*		*05/08/2021 16:10*	WG1666722
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*05/08/2021 16:10*	WG1666722
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*05/08/2021 16:10*	WG1666722

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/08/2021 16:10	WG1666722		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00413	0.0219	1	05/05/2021 21:49	WG1664100
Alpha BHC	U		0.00404	0.0219	1	05/05/2021 21:49	WG1664100
Beta BHC	U		0.00416	0.0219	1	05/05/2021 21:49	WG1664100
Delta BHC	U		0.00380	0.0219	1	05/05/2021 21:49	WG1664100
Gamma BHC	U		0.00377	0.0219	1	05/05/2021 21:49	WG1664100
Chlordane	U		0.113	0.329	1	05/05/2021 21:49	WG1664100
4,4-DDD	U		0.00406	0.0219	1	05/05/2021 21:49	WG1664100
4,4-DDE	U		0.00402	0.0219	1	05/05/2021 21:49	WG1664100
4,4-DDT	U		0.00688	0.0219	1	05/05/2021 21:49	WG1664100
Dieldrin	U		0.00377	0.0219	1	05/05/2021 21:49	WG1664100
Endosulfan I	U		0.00398	0.0219	1	05/05/2021 21:49	WG1664100
Endosulfan II	U		0.00368	0.0219	1	05/05/2021 21:49	WG1664100
Endosulfan sulfate	U		0.00399	0.0219	1	05/05/2021 21:49	WG1664100
Endrin	U		0.00384	0.0219	1	05/05/2021 21:49	WG1664100
Endrin aldehyde	U		0.00372	0.0219	1	05/05/2021 21:49	WG1664100
Endrin ketone	U		0.00780	0.0219	1	05/05/2021 21:49	WG1664100
Hexachlorobenzene	U		0.00380	0.0219	1	05/05/2021 21:49	WG1664100
Heptachlor	U		0.00470	0.0219	1	05/05/2021 21:49	WG1664100
Heptachlor epoxide	U		0.00372	0.0219	1	05/05/2021 21:49	WG1664100
Methoxychlor	U		0.00531	0.0219	1	05/05/2021 21:49	WG1664100
Toxaphene	U		0.136	0.439	1	05/05/2021 21:49	WG1664100
(S) Decachlorobiphenyl	*61.8*			*30.0-150*		*05/05/2021 21:49*	WG1664100
(S) Tetrachloro-m-xylene	*57.2*			*30.0-150*		*05/05/2021 21:49*	WG1664100

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0129	0.0373	1	05/05/2021 19:44	WG1664100
PCB 1221	U		0.0129	0.0373	1	05/05/2021 19:44	WG1664100
PCB 1232	U		0.0129	0.0373	1	05/05/2021 19:44	WG1664100
PCB 1242	U		0.0129	0.0373	1	05/05/2021 19:44	WG1664100
PCB 1248	U		0.00810	0.0187	1	05/05/2021 19:44	WG1664100
PCB 1254	U		0.00810	0.0187	1	05/05/2021 19:44	WG1664100
PCB 1260	U		0.00810	0.0187	1	05/05/2021 19:44	WG1664100
Total PCBs	U		0.00810	0.0187	1	05/05/2021 19:44	WG1664100
(S) Decachlorobiphenyl	*83.4*			*30.0-150*		*05/05/2021 19:44*	WG1664100
(S) Tetrachloro-m-xylene	*74.0*			*30.0-150*		*05/05/2021 19:44*	WG1664100

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00591	0.0365	1	05/08/2021 20:53	WG1666711
Acenaphthylene	0.00741	J J4	0.00515	0.0365	1	05/08/2021 20:53	WG1666711
Acetophenone	U	J4	0.0114	0.365	1	05/08/2021 20:53	WG1666711
Anthracene	0.0165	J J4	0.00651	0.0365	1	05/08/2021 20:53	WG1666711
Atrazine	U		0.0126	0.365	1	05/08/2021 20:53	WG1666711
Benzaldehyde	U		0.0194	0.365	1	05/08/2021 20:53	WG1666711
Benzo(a)anthracene	0.0890	J4	0.00644	0.0365	1	05/08/2021 20:53	WG1666711
Benzo(b)fluoranthene	0.107	J4	0.00681	0.0365	1	05/08/2021 20:53	WG1666711
Benzo(k)fluoranthene	0.0407	J4	0.00650	0.0365	1	05/08/2021 20:53	WG1666711
Benzo(g,h,i)perylene	0.0412	J4	0.00668	0.0365	1	05/08/2021 20:53	WG1666711
Benzo(a)pyrene	0.0766	J4	0.00679	0.0365	1	05/08/2021 20:53	WG1666711
Biphenyl	U	J4	0.0116	0.365	1	05/08/2021 20:53	WG1666711
Bis(2-chlorethoxy)methane	U	J4	0.0110	0.365	1	05/08/2021 20:53	WG1666711
Bis(2-chloroethyl)ether	U	J4	0.0121	0.365	1	05/08/2021 20:53	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0158	0.365	1	05/08/2021 20:53	WG1666711
4-Bromophenyl-phenylether	U	J4	0.0128	0.365	1	05/08/2021 20:53	WG1666711
Caprolactam	0.156	J	0.0181	0.365	1	05/08/2021 20:53	WG1666711
Carbazole	U	J4	0.0113	0.365	1	05/08/2021 20:53	WG1666711
4-Chloroaniline	U	J4	0.0132	0.365	1	05/08/2021 20:53	WG1666711
2-Chloronaphthalene	U	J4	0.00642	0.0365	1	05/08/2021 20:53	WG1666711
4-Chlorophenyl-phenylether	U	J4	0.0127	0.365	1	05/08/2021 20:53	WG1666711
Chrysene	0.0883	J4	0.00726	0.0365	1	05/08/2021 20:53	WG1666711
Dibenz(a,h)anthracene	0.0117	J J4	0.0101	0.0365	1	05/08/2021 20:53	WG1666711
Dibenzofuran	U	J4	0.0120	0.365	1	05/08/2021 20:53	WG1666711
3,3-Dichlorobenzidine	U	J4	0.0135	0.365	1	05/08/2021 20:53	WG1666711
2,4-Dinitrotoluene	U		0.0105	0.365	1	05/08/2021 20:53	WG1666711
2,6-Dinitrotoluene	U	J4	0.0120	0.365	1	05/08/2021 20:53	WG1666711
Fluoranthene	0.150	J4	0.00660	0.0365	1	05/08/2021 20:53	WG1666711
Fluorene	U	J4	0.00595	0.0365	1	05/08/2021 20:53	WG1666711
Hexachlorobenzene	U	J4	0.0129	0.365	1	05/08/2021 20:53	WG1666711
Hexachloro-1,3-butadiene	U	J4	0.0123	0.365	1	05/08/2021 20:53	WG1666711
Hexachlorocyclopentadiene	U		0.0192	0.365	1	05/08/2021 20:53	WG1666711
Hexachloroethane	U		0.0144	0.365	1	05/08/2021 20:53	WG1666711
Indeno(1,2,3-cd)pyrene	0.0464	J4	0.0103	0.0365	1	05/08/2021 20:53	WG1666711
Isophorone	U	J4	0.0112	0.365	1	05/08/2021 20:53	WG1666711
2-Methylnaphthalene	U	J4	0.00474	0.0365	1	05/08/2021 20:53	WG1666711
Naphthalene	U	J4	0.00917	0.0365	1	05/08/2021 20:53	WG1666711
2-Nitroaniline	U	J4	0.0117	0.365	1	05/08/2021 20:53	WG1666711
3-Nitroaniline	U	J4	0.0116	0.365	1	05/08/2021 20:53	WG1666711
4-Nitroaniline	U		0.0107	0.365	1	05/08/2021 20:53	WG1666711
Nitrobenzene	U	J4	0.0127	0.365	1	05/08/2021 20:53	WG1666711
n-Nitrosodiphenylamine	U		0.0277	0.365	1	05/08/2021 20:53	WG1666711
n-Nitrosodi-n-propylamine	U	J4	0.0122	0.365	1	05/08/2021 20:53	WG1666711
Phenanthrene	0.0786	J4	0.00725	0.0365	1	05/08/2021 20:53	WG1666711
Benzylbutyl phthalate	U	J4	0.0114	0.365	1	05/08/2021 20:53	WG1666711
Bis(2-ethylhexyl)phthalate	U	J4	0.0463	0.365	1	05/08/2021 20:53	WG1666711
Di-n-butyl phthalate	U	J4	0.0125	0.365	1	05/08/2021 20:53	WG1666711
Diethyl phthalate	U	J4	0.0121	0.365	1	05/08/2021 20:53	WG1666711
Dimethyl phthalate	U	J4	0.0775	0.365	1	05/08/2021 20:53	WG1666711
Di-n-octyl phthalate	U	J4	0.0247	0.365	1	05/08/2021 20:53	WG1666711
Pyrene	0.143	J4	0.00711	0.0365	1	05/08/2021 20:53	WG1666711
1,2,4,5-Tetrachlorobenzene	U		0.0174	0.365	1	05/08/2021 20:53	WG1666711
4-Chloro-3-methylphenol	U	J4	0.0119	0.365	1	05/08/2021 20:53	WG1666711
2-Chlorophenol	U	J4	0.0121	0.365	1	05/08/2021 20:53	WG1666711
2-Methylphenol	U	J4	0.0110	0.365	1	05/08/2021 20:53	WG1666711
3&4-Methyl Phenol	U		0.0114	0.365	1	05/08/2021 20:53	WG1666711
2,4-Dichlorophenol	U	J4	0.0106	0.365	1	05/08/2021 20:53	WG1666711
2,4-Dimethylphenol	U	J4	0.00955	0.365	1	05/08/2021 20:53	WG1666711
4,6-Dinitro-2-methylphenol	U	J4	0.0829	0.365	1	05/08/2021 20:53	WG1666711
2,4-Dinitrophenol	U		0.0855	0.365	1	05/08/2021 20:53	WG1666711
2-Nitrophenol	U	J4	0.0131	0.365	1	05/08/2021 20:53	WG1666711
4-Nitrophenol	U		0.0114	0.365	1	05/08/2021 20:53	WG1666711
Pentachlorophenol	U		0.00983	0.365	1	05/08/2021 20:53	WG1666711
Phenol	U		0.0147	0.365	1	05/08/2021 20:53	WG1666711
2,4,5-Trichlorophenol	U	J4	0.0124	0.365	1	05/08/2021 20:53	WG1666711
2,4,6-Trichlorophenol	U	J4	0.0117	0.365	1	05/08/2021 20:53	WG1666711
(S) 2-Fluorophenol	*61.9*			*30.0-130*		*05/08/2021 20:53*	WG1666711
(S) Phenol-d5	*61.6*			*30.0-130*		*05/08/2021 20:53*	WG1666711
(S) Nitrobenzene-d5	*52.5*			*30.0-130*		*05/08/2021 20:53*	WG1666711
(S) 2-Fluorobiphenyl	*72.5*			*30.0-130*		*05/08/2021 20:53*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*88.4*			*30.0-130*		*05/08/2021 20:53*	WG1666711
(S) p-Terphenyl-d14	*72.5*			*30.0-130*		*05/08/2021 20:53*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.554	J N	0.000	0.000	1	05/08/2021 20:53	WG1666711		
Unknown-01	0.296	J N	0.000	0.000	1	05/08/2021 20:53	WG1666711	000123-42-2	2.22
Benzo[E]Pyrene	0.0741	J N	0.000	0.000	1	05/08/2021 20:53	WG1666711	000192-97-2	10.54
Unknown-03	0.0689	J N	0.000	0.000	1	05/08/2021 20:53	WG1666711	000565-61-7	2.85
Unknown-04	0.0402	J N	0.000	0.000	1	05/08/2021 20:53	WG1666711	000090-60-8	6.42
Unknown-05	0.0371	J N	0.000	0.000	1	05/08/2021 20:53	WG1666711	000000-00-0	8.34
Unknown-02	0.0370	J N	0.000	0.000	1	05/08/2021 20:53	WG1666711	031230-17-8	2.66

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.8		1	05/04/2021 14:01	WG1664019

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0897	0.306	1	05/11/2021 19:14	WG1668185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0220	0.0489	1	05/06/2021 16:32	WG1662823

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	6220		7.44	12.2	1	05/07/2021 08:20	WG1662844
Antimony	0.856	J	0.665	2.45	1	05/07/2021 08:20	WG1662844
Arsenic	3.62		0.634	2.45	1	05/07/2021 08:20	WG1662844
Barium	15.1		0.104	0.612	1	05/07/2021 08:20	WG1662844
Beryllium	0.378		0.0385	0.245	1	05/07/2021 08:20	WG1662844
Cadmium	0.222	J	0.0576	0.612	1	05/07/2021 08:20	WG1662844
Calcium	423		13.0	122	1	05/07/2021 08:20	WG1662844
Chromium	20.6		0.163	1.22	1	05/07/2021 08:20	WG1662844
Cobalt	1.84		0.0992	1.22	1	05/07/2021 08:20	WG1662844
Copper	4.07		0.489	2.45	1	05/07/2021 08:20	WG1662844
Iron	12700		2.74	12.2	1	05/07/2021 08:20	WG1662844
Lead	4.82		0.254	0.612	1	05/07/2021 08:20	WG1662844
Magnesium	1850		9.03	122	1	05/07/2021 08:20	WG1662844
Manganese	32.8		0.163	1.22	1	05/07/2021 08:20	WG1662844
Nickel	5.83		0.161	2.45	1	05/07/2021 08:20	WG1662844
Potassium	2770		25.6	122	1	05/07/2021 08:20	WG1662844
Selenium	U		0.935	2.45	1	05/07/2021 08:20	WG1662844
Silver	U		0.155	1.22	1	05/07/2021 08:20	WG1662844
Sodium	80.7	J	50.4	122	1	05/07/2021 08:20	WG1662844
Thallium	U		0.482	2.45	1	05/07/2021 08:20	WG1662844
Vanadium	19.1		0.619	2.45	1	05/07/2021 08:20	WG1662844
Zinc	157		1.02	6.12	1	05/07/2021 08:20	WG1662844

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0253	0.0612	1	05/07/2021 21:44	WG1666286
Benzene	U		0.000459	0.00122	1	05/07/2021 21:44	WG1666286
Bromochloromethane	U		0.000410	0.00122	1	05/07/2021 21:44	WG1666286
Bromodichloromethane	U		0.000887	0.00122	1	05/07/2021 21:44	WG1666286
Bromoform	U		0.000519	0.00122	1	05/07/2021 21:44	WG1666286
Bromomethane	U		0.00143	0.00612	1	05/07/2021 21:44	WG1666286
Carbon disulfide	U		0.000856	0.00122	1	05/07/2021 21:44	WG1666286
Carbon tetrachloride	U		0.000303	0.00122	1	05/07/2021 21:44	WG1666286
Chlorobenzene	U		0.000235	0.00122	1	05/07/2021 21:44	WG1666286
Chlorodibromomethane	U		0.000274	0.00122	1	05/07/2021 21:44	WG1666286
Chloroethane	U		0.00122	0.00612	1	05/07/2021 21:44	WG1666286
Chloroform	U		0.00126	0.00612	1	05/07/2021 21:44	WG1666286
Chloromethane	U		0.000795	0.00306	1	05/07/2021 21:44	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000328	0.00122	1	05/07/2021 21:44	WG1666286
1,2-Dibromo-3-Chloropropane	U		0.00232	0.00612	1	05/07/2021 21:44	WG1666286
1,2-Dibromoethane	U		0.000306	0.00122	1	05/07/2021 21:44	WG1666286
Dichlorodifluoromethane	U		0.000351	0.00612	1	05/07/2021 21:44	WG1666286
1,1-Dichloroethane	U		0.000328	0.00122	1	05/07/2021 21:44	WG1666286
1,2-Dichloroethane	U		0.000550	0.00122	1	05/07/2021 21:44	WG1666286
1,2-Dichlorobenzene	U		0.000520	0.00122	1	05/07/2021 21:44	WG1666286
1,3-Dichlorobenzene	U		0.000734	0.00122	1	05/07/2021 21:44	WG1666286
1,4-Dichlorobenzene	U		0.00102	0.00122	1	05/07/2021 21:44	WG1666286
1,1-Dichloroethene	U		0.000434	0.00122	1	05/07/2021 21:44	WG1666286
cis-1,2-Dichloroethene	U		0.000581	0.00122	1	05/07/2021 21:44	WG1666286
trans-1,2-Dichloroethene	U		0.000612	0.00122	1	05/07/2021 21:44	WG1666286
1,2-Dichloropropane	U		0.000201	0.00122	1	05/07/2021 21:44	WG1666286
cis-1,3-Dichloropropene	U		0.000520	0.00122	1	05/07/2021 21:44	WG1666286
trans-1,3-Dichloropropene	U		0.000826	0.00122	1	05/07/2021 21:44	WG1666286
Ethylbenzene	U		0.000367	0.00122	1	05/07/2021 21:44	WG1666286
2-Hexanone	U		0.00219	0.0122	1	05/07/2021 21:44	WG1666286
Isopropylbenzene	U		0.000520	0.00122	1	05/07/2021 21:44	WG1666286
2-Butanone (MEK)	U		0.00572	0.0122	1	05/07/2021 21:44	WG1666286
Methyl Acetate	U		0.00367	0.0245	1	05/07/2021 21:44	WG1666286
Methyl Cyclohexane	U		0.000948	0.00122	1	05/07/2021 21:44	WG1666286
Methylene Chloride	U		0.00122	0.00612	1	05/07/2021 21:44	WG1666286
4-Methyl-2-pentanone (MIBK)	U		0.00116	0.0122	1	05/07/2021 21:44	WG1666286
Methyl tert-butyl ether	U		0.000428	0.00122	1	05/07/2021 21:44	WG1666286
Styrene	U		0.000273	0.00122	1	05/07/2021 21:44	WG1666286
1,1,2,2-Tetrachloroethane	U		0.000283	0.00122	1	05/07/2021 21:44	WG1666286
Tetrachloroethene	U		0.000398	0.00122	1	05/07/2021 21:44	WG1666286
Toluene	U		0.00150	0.00612	1	05/07/2021 21:44	WG1666286
1,2,3-Trichlorobenzene	U		0.000374	0.00122	1	05/07/2021 21:44	WG1666286
1,2,4-Trichlorobenzene	U		0.000475	0.00122	1	05/07/2021 21:44	WG1666286
1,1,1-Trichloroethane	U		0.000453	0.00122	1	05/07/2021 21:44	WG1666286
1,1,2-Trichloroethane	U		0.000520	0.00122	1	05/07/2021 21:44	WG1666286
Trichloroethene	U		0.000245	0.00122	1	05/07/2021 21:44	WG1666286
Trichlorofluoromethane	U		0.000435	0.00612	1	05/07/2021 21:44	WG1666286
1,1,2-Trichlorotrifluoroethane	U		0.000521	0.00122	1	05/07/2021 21:44	WG1666286
Vinyl chloride	U		0.000276	0.00122	1	05/07/2021 21:44	WG1666286
Xylenes, Total	U		0.000612	0.00367	1	05/07/2021 21:44	WG1666286
(S) Toluene-d8	*109*			*75.0-131*		*05/07/2021 21:44*	WG1666286
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/07/2021 21:44*	WG1666286
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*		*05/07/2021 21:44*	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/07/2021 21:44	WG1666286		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00460	0.0245	1	05/05/2021 22:04	WG1664100
Alpha BHC	U		0.00450	0.0245	1	05/05/2021 22:04	WG1664100
Beta BHC	U		0.00464	0.0245	1	05/05/2021 22:04	WG1664100
Delta BHC	U		0.00423	0.0245	1	05/05/2021 22:04	WG1664100
Gamma BHC	U		0.00421	0.0245	1	05/05/2021 22:04	WG1664100
Chlordane	U		0.126	0.367	1	05/05/2021 22:04	WG1664100
4,4-DDD	U		0.00453	0.0245	1	05/05/2021 22:04	WG1664100
4,4-DDE	U		0.00448	0.0245	1	05/05/2021 22:04	WG1664100
4,4-DDT	U		0.00767	0.0245	1	05/05/2021 22:04	WG1664100
Dieldrin	U		0.00421	0.0245	1	05/05/2021 22:04	WG1664100
Endosulfan I	U		0.00444	0.0245	1	05/05/2021 22:04	WG1664100
Endosulfan II	U		0.00410	0.0245	1	05/05/2021 22:04	WG1664100
Endosulfan sulfate	U		0.00445	0.0245	1	05/05/2021 22:04	WG1664100
Endrin	U		0.00428	0.0245	1	05/05/2021 22:04	WG1664100
Endrin aldehyde	U		0.00415	0.0245	1	05/05/2021 22:04	WG1664100
Endrin ketone	U		0.00870	0.0245	1	05/05/2021 22:04	WG1664100
Hexachlorobenzene	U		0.00423	0.0245	1	05/05/2021 22:04	WG1664100
Heptachlor	U		0.00524	0.0245	1	05/05/2021 22:04	WG1664100
Heptachlor epoxide	U		0.00415	0.0245	1	05/05/2021 22:04	WG1664100
Methoxychlor	U		0.00592	0.0245	1	05/05/2021 22:04	WG1664100
Toxaphene	U		0.152	0.489	1	05/05/2021 22:04	WG1664100
(S) Decachlorobiphenyl	*70.6*			*30.0-150*		*05/05/2021 22:04*	WG1664100
(S) Tetrachloro-m-xylene	*56.5*			*30.0-150*		*05/05/2021 22:04*	WG1664100

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0144	0.0416	1	05/05/2021 19:54	WG1664100
PCB 1221	U		0.0144	0.0416	1	05/05/2021 19:54	WG1664100
PCB 1232	U		0.0144	0.0416	1	05/05/2021 19:54	WG1664100
PCB 1242	U		0.0144	0.0416	1	05/05/2021 19:54	WG1664100
PCB 1248	U		0.00903	0.0208	1	05/05/2021 19:54	WG1664100
PCB 1254	U		0.00903	0.0208	1	05/05/2021 19:54	WG1664100
PCB 1260	U		0.00903	0.0208	1	05/05/2021 19:54	WG1664100
Total PCBs	U		0.00903	0.0208	1	05/05/2021 19:54	WG1664100
(S) Decachlorobiphenyl	*86.0*			*30.0-150*		*05/05/2021 19:54*	WG1664100
(S) Tetrachloro-m-xylene	*80.4*			*30.0-150*		*05/05/2021 19:54*	WG1664100

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00659	0.0407	1	05/08/2021 17:24	WG1666711
Acenaphthylene	U	J4	0.00574	0.0407	1	05/08/2021 17:24	WG1666711
Acetophenone	U	J4	0.0127	0.407	1	05/08/2021 17:24	WG1666711
Anthracene	U	J4	0.00725	0.0407	1	05/08/2021 17:24	WG1666711
Atrazine	U		0.0141	0.407	1	05/08/2021 17:24	WG1666711
Benzaldehyde	U		0.0217	0.407	1	05/08/2021 17:24	WG1666711
Benzo(a)anthracene	U	J4	0.00718	0.0407	1	05/08/2021 17:24	WG1666711
Benzo(b)fluoranthene	U	J4	0.00760	0.0407	1	05/08/2021 17:24	WG1666711
Benzo(k)fluoranthene	U	J4	0.00724	0.0407	1	05/08/2021 17:24	WG1666711
Benzo(g,h,i)perylene	U	J4	0.00745	0.0407	1	05/08/2021 17:24	WG1666711
Benzo(a)pyrene	U	J4	0.00757	0.0407	1	05/08/2021 17:24	WG1666711
Biphenyl	U	J4	0.0130	0.407	1	05/08/2021 17:24	WG1666711
Bis(2-chlorethoxy)methane	U	J4	0.0122	0.407	1	05/08/2021 17:24	WG1666711
Bis(2-chloroethyl)ether	U	J4	0.0135	0.407	1	05/08/2021 17:24	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0176	0.407	1	05/08/2021 17:24	WG1666711
4-Bromophenyl-phenylether	U	J4	0.0143	0.407	1	05/08/2021 17:24	WG1666711
Caprolactam	U		0.0202	0.407	1	05/08/2021 17:24	WG1666711
Carbazole	U	J4	0.0126	0.407	1	05/08/2021 17:24	WG1666711
4-Chloroaniline	U	J4	0.0147	0.407	1	05/08/2021 17:24	WG1666711
2-Chloronaphthalene	U	J4	0.00716	0.0407	1	05/08/2021 17:24	WG1666711
4-Chlorophenyl-phenylether	U	J4	0.0142	0.407	1	05/08/2021 17:24	WG1666711
Chrysene	U	J4	0.00810	0.0407	1	05/08/2021 17:24	WG1666711
Dibenz(a,h)anthracene	U	J4	0.0113	0.0407	1	05/08/2021 17:24	WG1666711
Dibenzofuran	U	J4	0.0133	0.407	1	05/08/2021 17:24	WG1666711
3,3-Dichlorobenzidine	U	J4	0.0150	0.407	1	05/08/2021 17:24	WG1666711
2,4-Dinitrotoluene	U		0.0117	0.407	1	05/08/2021 17:24	WG1666711
2,6-Dinitrotoluene	U	J4	0.0133	0.407	1	05/08/2021 17:24	WG1666711
Fluoranthene	U	J4	0.00735	0.0407	1	05/08/2021 17:24	WG1666711
Fluorene	U	J4	0.00663	0.0407	1	05/08/2021 17:24	WG1666711
Hexachlorobenzene	U	J4	0.0144	0.407	1	05/08/2021 17:24	WG1666711
Hexachloro-1,3-butadiene	U	J4	0.0137	0.407	1	05/08/2021 17:24	WG1666711
Hexachlorocyclopentadiene	U		0.0214	0.407	1	05/08/2021 17:24	WG1666711
Hexachloroethane	U		0.0160	0.407	1	05/08/2021 17:24	WG1666711
Indeno(1,2,3-cd)pyrene	U	J4	0.0115	0.0407	1	05/08/2021 17:24	WG1666711
Isophorone	U	J4	0.0125	0.407	1	05/08/2021 17:24	WG1666711
2-Methylnaphthalene	U	J4	0.00528	0.0407	1	05/08/2021 17:24	WG1666711
Naphthalene	U	J4	0.0102	0.0407	1	05/08/2021 17:24	WG1666711
2-Nitroaniline	U	J4	0.0131	0.407	1	05/08/2021 17:24	WG1666711
3-Nitroaniline	U	J4	0.0130	0.407	1	05/08/2021 17:24	WG1666711
4-Nitroaniline	U		0.0119	0.407	1	05/08/2021 17:24	WG1666711
Nitrobenzene	U	J4	0.0142	0.407	1	05/08/2021 17:24	WG1666711
n-Nitrosodiphenylamine	U		0.0308	0.407	1	05/08/2021 17:24	WG1666711
n-Nitrosodi-n-propylamine	U	J4	0.0136	0.407	1	05/08/2021 17:24	WG1666711
Phenanthrene	U	J4	0.00809	0.0407	1	05/08/2021 17:24	WG1666711
Benzylbutyl phthalate	U	J4	0.0127	0.407	1	05/08/2021 17:24	WG1666711
Bis(2-ethylhexyl)phthalate	U	J4	0.0516	0.407	1	05/08/2021 17:24	WG1666711
Di-n-butyl phthalate	U	J4	0.0139	0.407	1	05/08/2021 17:24	WG1666711
Diethyl phthalate	U	J4	0.0135	0.407	1	05/08/2021 17:24	WG1666711
Dimethyl phthalate	U	J4	0.0864	0.407	1	05/08/2021 17:24	WG1666711
Di-n-octyl phthalate	U	J4	0.0275	0.407	1	05/08/2021 17:24	WG1666711
Pyrene	U	J4	0.00793	0.0407	1	05/08/2021 17:24	WG1666711
1,2,4,5-Tetrachlorobenzene	U		0.0194	0.407	1	05/08/2021 17:24	WG1666711
4-Chloro-3-methylphenol	U	J4	0.0132	0.407	1	05/08/2021 17:24	WG1666711
2-Chlorophenol	U	J4	0.0135	0.407	1	05/08/2021 17:24	WG1666711
2-Methylphenol	U	J4	0.0122	0.407	1	05/08/2021 17:24	WG1666711
3&4-Methyl Phenol	U		0.0127	0.407	1	05/08/2021 17:24	WG1666711
2,4-Dichlorophenol	U	J4	0.0119	0.407	1	05/08/2021 17:24	WG1666711
2,4-Dimethylphenol	U	J4	0.0106	0.407	1	05/08/2021 17:24	WG1666711
4,6-Dinitro-2-methylphenol	U	J4	0.0924	0.407	1	05/08/2021 17:24	WG1666711
2,4-Dinitrophenol	U		0.0953	0.407	1	05/08/2021 17:24	WG1666711
2-Nitrophenol	U	J4	0.0146	0.407	1	05/08/2021 17:24	WG1666711
4-Nitrophenol	U		0.0127	0.407	1	05/08/2021 17:24	WG1666711
Pentachlorophenol	U		0.0110	0.407	1	05/08/2021 17:24	WG1666711
Phenol	U		0.0164	0.407	1	05/08/2021 17:24	WG1666711
2,4,5-Trichlorophenol	U	J4	0.0138	0.407	1	05/08/2021 17:24	WG1666711
2,4,6-Trichlorophenol	U	J4	0.0131	0.407	1	05/08/2021 17:24	WG1666711
(S) 2-Fluorophenol	*59.9*			*30.0-130*		*05/08/2021 17:24*	WG1666711
(S) Phenol-d5	*55.3*			*30.0-130*		*05/08/2021 17:24*	WG1666711
(S) Nitrobenzene-d5	*48.5*			*30.0-130*		*05/08/2021 17:24*	WG1666711
(S) 2-Fluorobiphenyl	*64.0*			*30.0-130*		*05/08/2021 17:24*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*76.2*			*30.0-130*		*05/08/2021 17:24*	WG1666711
(S) p-Terphenyl-d14	*64.0*			*30.0-130*		*05/08/2021 17:24*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.290	J N	0.000	0.000	1	05/08/2021 17:24	WG1666711		
Unknown-01	0.245	J N	0.000	0.000	1	05/08/2021 17:24	WG1666711	000123-42-2	2.21
17-Pentatriacontene	0.0457	J N	0.000	0.000	1	05/08/2021 17:24	WG1666711	006971-40-0	8.33

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.4		1	05/04/2021 13:40	WG1664020

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0858	0.293	1	05/11/2021 19:15	WG1668185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0546		0.0211	0.0468	1	05/06/2021 16:35	WG1662823

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	6370		7.12	11.7	1	05/07/2021 08:22	WG1662844
Antimony	1.03	J	0.637	2.34	1	05/07/2021 08:22	WG1662844
Arsenic	5.91		0.606	2.34	1	05/07/2021 08:22	WG1662844
Barium	29.5		0.0997	0.585	1	05/07/2021 08:22	WG1662844
Beryllium	0.328		0.0369	0.234	1	05/07/2021 08:22	WG1662844
Cadmium	0.212	J	0.0551	0.585	1	05/07/2021 08:22	WG1662844
Calcium	1540		12.4	117	1	05/07/2021 08:22	WG1662844
Chromium	20.2		0.156	1.17	1	05/07/2021 08:22	WG1662844
Cobalt	3.46		0.0949	1.17	1	05/07/2021 08:22	WG1662844
Copper	16.3		0.468	2.34	1	05/07/2021 08:22	WG1662844
Iron	23000		2.62	11.7	1	05/07/2021 08:22	WG1662844
Lead	95.0		0.243	0.585	1	05/07/2021 08:22	WG1662844
Magnesium	1370		8.64	117	1	05/07/2021 08:22	WG1662844
Manganese	82.7		0.156	1.17	1	05/07/2021 08:22	WG1662844
Nickel	6.69		0.155	2.34	1	05/07/2021 08:22	WG1662844
Potassium	1660		24.5	117	1	05/07/2021 08:22	WG1662844
Selenium	U		0.894	2.34	1	05/07/2021 08:22	WG1662844
Silver	U		0.149	1.17	1	05/07/2021 08:22	WG1662844
Sodium	89.8	J	48.2	117	1	05/07/2021 08:22	WG1662844
Thallium	U		0.461	2.34	1	05/07/2021 08:22	WG1662844
Vanadium	21.9		0.592	2.34	1	05/07/2021 08:22	WG1662844
Zinc	117		0.974	5.85	1	05/07/2021 08:22	WG1662844

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0446	J	0.0242	0.0585	1	05/07/2021 22:05	WG1666286
Benzene	U		0.000439	0.00117	1	05/07/2021 22:05	WG1666286
Bromochloromethane	U		0.000392	0.00117	1	05/07/2021 22:05	WG1666286
Bromodichloromethane	U		0.000849	0.00117	1	05/07/2021 22:05	WG1666286
Bromoform	U		0.000496	0.00117	1	05/07/2021 22:05	WG1666286
Bromomethane	U		0.00137	0.00585	1	05/07/2021 22:05	WG1666286
Carbon disulfide	0.00144		0.000819	0.00117	1	05/07/2021 22:05	WG1666286
Carbon tetrachloride	U		0.000290	0.00117	1	05/07/2021 22:05	WG1666286
Chlorobenzene	U		0.000225	0.00117	1	05/07/2021 22:05	WG1666286
Chlorodibromomethane	U		0.000262	0.00117	1	05/07/2021 22:05	WG1666286
Chloroethane	U		0.00117	0.00585	1	05/07/2021 22:05	WG1666286
Chloroform	U		0.00121	0.00585	1	05/07/2021 22:05	WG1666286
Chloromethane	U		0.000761	0.00293	1	05/07/2021 22:05	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000314	0.00117	1	05/07/2021 22:05	WG1666286
1,2-Dibromo-3-Chloropropane	U		0.00222	0.00585	1	05/07/2021 22:05	WG1666286
1,2-Dibromoethane	U		0.000293	0.00117	1	05/07/2021 22:05	WG1666286
Dichlorodifluoromethane	U		0.000336	0.00585	1	05/07/2021 22:05	WG1666286
1,1-Dichloroethane	U		0.000314	0.00117	1	05/07/2021 22:05	WG1666286
1,2-Dichloroethane	U		0.000527	0.00117	1	05/07/2021 22:05	WG1666286
1,2-Dichlorobenzene	U		0.000498	0.00117	1	05/07/2021 22:05	WG1666286
1,3-Dichlorobenzene	U		0.000702	0.00117	1	05/07/2021 22:05	WG1666286
1,4-Dichlorobenzene	U		0.000972	0.00117	1	05/07/2021 22:05	WG1666286
1,1-Dichloroethene	U		0.000416	0.00117	1	05/07/2021 22:05	WG1666286
cis-1,2-Dichloroethene	U		0.000556	0.00117	1	05/07/2021 22:05	WG1666286
trans-1,2-Dichloroethene	U		0.000585	0.00117	1	05/07/2021 22:05	WG1666286
1,2-Dichloropropane	U		0.000192	0.00117	1	05/07/2021 22:05	WG1666286
cis-1,3-Dichloropropene	U		0.000498	0.00117	1	05/07/2021 22:05	WG1666286
trans-1,3-Dichloropropene	U		0.000790	0.00117	1	05/07/2021 22:05	WG1666286
Ethylbenzene	U		0.000351	0.00117	1	05/07/2021 22:05	WG1666286
2-Hexanone	U		0.00210	0.0117	1	05/07/2021 22:05	WG1666286
Isopropylbenzene	U		0.000498	0.00117	1	05/07/2021 22:05	WG1666286
2-Butanone (MEK)	U		0.00548	0.0117	1	05/07/2021 22:05	WG1666286
Methyl Acetate	U		0.00351	0.0234	1	05/07/2021 22:05	WG1666286
Methyl Cyclohexane	U		0.000907	0.00117	1	05/07/2021 22:05	WG1666286
Methylene Chloride	U		0.00117	0.00585	1	05/07/2021 22:05	WG1666286
4-Methyl-2-pentanone (MIBK)	U		0.00111	0.0117	1	05/07/2021 22:05	WG1666286
Methyl tert-butyl ether	U		0.000410	0.00117	1	05/07/2021 22:05	WG1666286
Styrene	U		0.000261	0.00117	1	05/07/2021 22:05	WG1666286
1,1,2,2-Tetrachloroethane	U		0.000270	0.00117	1	05/07/2021 22:05	WG1666286
Tetrachloroethene	U		0.000380	0.00117	1	05/07/2021 22:05	WG1666286
Toluene	U		0.00144	0.00585	1	05/07/2021 22:05	WG1666286
1,2,3-Trichlorobenzene	U		0.000358	0.00117	1	05/07/2021 22:05	WG1666286
1,2,4-Trichlorobenzene	U		0.000454	0.00117	1	05/07/2021 22:05	WG1666286
1,1,1-Trichloroethane	U		0.000433	0.00117	1	05/07/2021 22:05	WG1666286
1,1,2-Trichloroethane	U		0.000498	0.00117	1	05/07/2021 22:05	WG1666286
Trichloroethene	U		0.000234	0.00117	1	05/07/2021 22:05	WG1666286
Trichlorofluoromethane	U		0.000417	0.00585	1	05/07/2021 22:05	WG1666286
1,1,2-Trichlorotrifluoroethane	U		0.000499	0.00117	1	05/07/2021 22:05	WG1666286
Vinyl chloride	U		0.000265	0.00117	1	05/07/2021 22:05	WG1666286
Xylenes, Total	U		0.000585	0.00351	1	05/07/2021 22:05	WG1666286
(S) Toluene-d8	*108*			*75.0-131*		*05/07/2021 22:05*	WG1666286
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*05/07/2021 22:05*	WG1666286
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*05/07/2021 22:05*	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.0180	J N	0.000	0.000	1	05/07/2021 22:05	WG1666286		
Hexanal	0.0155	J N	0.000	0.000	1	05/07/2021 22:05	WG1666286	000066-25-1	6.15
Pentanal	0.00251	J N	0.000	0.000	1	05/07/2021 22:05	WG1666286	000110-62-3	4.93

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00440	0.0234	1	05/05/2021 22:19	WG1664100
Alpha BHC	U		0.00431	0.0234	1	05/05/2021 22:19	WG1664100
Beta BHC	U		0.00444	0.0234	1	05/05/2021 22:19	WG1664100
Delta BHC	U		0.00405	0.0234	1	05/05/2021 22:19	WG1664100
Gamma BHC	U		0.00403	0.0234	1	05/05/2021 22:19	WG1664100
Chlordane	U		0.121	0.351	1	05/05/2021 22:19	WG1664100
4,4-DDD	U		0.00433	0.0234	1	05/05/2021 22:19	WG1664100
4,4-DDE	U		0.00428	0.0234	1	05/05/2021 22:19	WG1664100
4,4-DDT	U		0.00734	0.0234	1	05/05/2021 22:19	WG1664100
Dieldrin	U		0.00403	0.0234	1	05/05/2021 22:19	WG1664100
Endosulfan I	U		0.00425	0.0234	1	05/05/2021 22:19	WG1664100
Endosulfan II	U		0.00392	0.0234	1	05/05/2021 22:19	WG1664100
Endosulfan sulfate	U		0.00426	0.0234	1	05/05/2021 22:19	WG1664100
Endrin	U		0.00410	0.0234	1	05/05/2021 22:19	WG1664100
Endrin aldehyde	U		0.00397	0.0234	1	05/05/2021 22:19	WG1664100
Endrin ketone	U		0.00832	0.0234	1	05/05/2021 22:19	WG1664100
Hexachlorobenzene	U		0.00405	0.0234	1	05/05/2021 22:19	WG1664100
Heptachlor	U		0.00501	0.0234	1	05/05/2021 22:19	WG1664100
Heptachlor epoxide	U		0.00397	0.0234	1	05/05/2021 22:19	WG1664100
Methoxychlor	U		0.00567	0.0234	1	05/05/2021 22:19	WG1664100
Toxaphene	U		0.145	0.468	1	05/05/2021 22:19	WG1664100
(S) Decachlorobiphenyl	*84.8*			*30.0-150*		*05/05/2021 22:19*	WG1664100
(S) Tetrachloro-m-xylene	*51.7*			*30.0-150*		*05/05/2021 22:19*	WG1664100

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0138	0.0398	1	05/05/2021 20:04	WG1664100
PCB 1221	U		0.0138	0.0398	1	05/05/2021 20:04	WG1664100
PCB 1232	U		0.0138	0.0398	1	05/05/2021 20:04	WG1664100
PCB 1242	U		0.0138	0.0398	1	05/05/2021 20:04	WG1664100
PCB 1248	U		0.00864	0.0199	1	05/05/2021 20:04	WG1664100
PCB 1254	U		0.00864	0.0199	1	05/05/2021 20:04	WG1664100
PCB 1260	U		0.00864	0.0199	1	05/05/2021 20:04	WG1664100
Total PCBs	U		0.00864	0.0199	1	05/05/2021 20:04	WG1664100
(S) Decachlorobiphenyl	*82.7*			*30.0-150*		*05/05/2021 20:04*	WG1664100
(S) Tetrachloro-m-xylene	*75.6*			*30.0-150*		*05/05/2021 20:04*	WG1664100

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00631	0.0390	1	05/08/2021 18:06	WG1666711
Acenaphthylene	U	J4	0.00549	0.0390	1	05/08/2021 18:06	WG1666711
Acetophenone	U	J4	0.0122	0.390	1	05/08/2021 18:06	WG1666711
Anthracene	U	J4	0.00694	0.0390	1	05/08/2021 18:06	WG1666711
Atrazine	U		0.0135	0.390	1	05/08/2021 18:06	WG1666711
Benzaldehyde	U		0.0207	0.390	1	05/08/2021 18:06	WG1666711
Benzo(a)anthracene	0.00955	J J4	0.00687	0.0390	1	05/08/2021 18:06	WG1666711
Benzo(b)fluoranthene	0.0135	J J4	0.00727	0.0390	1	05/08/2021 18:06	WG1666711
Benzo(k)fluoranthene	U	J4	0.00693	0.0390	1	05/08/2021 18:06	WG1666711
Benzo(g,h,i)perylene	U	J4	0.00713	0.0390	1	05/08/2021 18:06	WG1666711
Benzo(a)pyrene	0.00901	J J4	0.00725	0.0390	1	05/08/2021 18:06	WG1666711
Biphenyl	U	J4	0.0124	0.390	1	05/08/2021 18:06	WG1666711
Bis(2-chlorethoxy)methane	U	J4	0.0117	0.390	1	05/08/2021 18:06	WG1666711
Bis(2-chloroethyl)ether	U	J4	0.0129	0.390	1	05/08/2021 18:06	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0169	0.390	1	05/08/2021 18:06	WG1666711
4-Bromophenyl-phenylether	U	J4	0.0137	0.390	1	05/08/2021 18:06	WG1666711
Caprolactam	U		0.0193	0.390	1	05/08/2021 18:06	WG1666711
Carbazole	U	J4	0.0121	0.390	1	05/08/2021 18:06	WG1666711
4-Chloroaniline	U	J4	0.0140	0.390	1	05/08/2021 18:06	WG1666711
2-Chloronaphthalene	U	J4	0.00685	0.0390	1	05/08/2021 18:06	WG1666711
4-Chlorophenyl-phenylether	U	J4	0.0136	0.390	1	05/08/2021 18:06	WG1666711
Chrysene	0.0114	J J4	0.00775	0.0390	1	05/08/2021 18:06	WG1666711
Dibenz(a,h)anthracene	U	J4	0.0108	0.0390	1	05/08/2021 18:06	WG1666711
Dibenzofuran	U	J4	0.0128	0.390	1	05/08/2021 18:06	WG1666711
3,3-Dichlorobenzidine	U	J4	0.0144	0.390	1	05/08/2021 18:06	WG1666711
2,4-Dinitrotoluene	U		0.0112	0.390	1	05/08/2021 18:06	WG1666711
2,6-Dinitrotoluene	U	J4	0.0128	0.390	1	05/08/2021 18:06	WG1666711
Fluoranthene	0.0211	J J4	0.00704	0.0390	1	05/08/2021 18:06	WG1666711
Fluorene	U	J4	0.00634	0.0390	1	05/08/2021 18:06	WG1666711
Hexachlorobenzene	U	J4	0.0138	0.390	1	05/08/2021 18:06	WG1666711
Hexachloro-1,3-butadiene	U	J4	0.0131	0.390	1	05/08/2021 18:06	WG1666711
Hexachlorocyclopentadiene	U		0.0205	0.390	1	05/08/2021 18:06	WG1666711
Hexachloroethane	U		0.0153	0.390	1	05/08/2021 18:06	WG1666711
Indeno(1,2,3-cd)pyrene	U	J4	0.0110	0.0390	1	05/08/2021 18:06	WG1666711
Isophorone	U	J4	0.0119	0.390	1	05/08/2021 18:06	WG1666711
2-Methylnaphthalene	U	J4	0.00506	0.0390	1	05/08/2021 18:06	WG1666711
Naphthalene	U	J4	0.00979	0.0390	1	05/08/2021 18:06	WG1666711
2-Nitroaniline	U	J4	0.0125	0.390	1	05/08/2021 18:06	WG1666711
3-Nitroaniline	U	J4	0.0124	0.390	1	05/08/2021 18:06	WG1666711
4-Nitroaniline	U		0.0114	0.390	1	05/08/2021 18:06	WG1666711
Nitrobenzene	U	J4	0.0136	0.390	1	05/08/2021 18:06	WG1666711
n-Nitrosodiphenylamine	U		0.0295	0.390	1	05/08/2021 18:06	WG1666711
n-Nitrosodi-n-propylamine	U	J4	0.0130	0.390	1	05/08/2021 18:06	WG1666711
Phenanthrene	0.0105	J J4	0.00774	0.0390	1	05/08/2021 18:06	WG1666711
Benzylbutyl phthalate	U	J4	0.0122	0.390	1	05/08/2021 18:06	WG1666711
Bis(2-ethylhexyl)phthalate	U	J4	0.0494	0.390	1	05/08/2021 18:06	WG1666711
Di-n-butyl phthalate	U	J4	0.0133	0.390	1	05/08/2021 18:06	WG1666711
Diethyl phthalate	U	J4	0.0129	0.390	1	05/08/2021 18:06	WG1666711
Dimethyl phthalate	U	J4	0.0826	0.390	1	05/08/2021 18:06	WG1666711
Di-n-octyl phthalate	U	J4	0.0263	0.390	1	05/08/2021 18:06	WG1666711
Pyrene	0.0178	J J4	0.00759	0.0390	1	05/08/2021 18:06	WG1666711
1,2,4,5-Tetrachlorobenzene	U		0.0186	0.390	1	05/08/2021 18:06	WG1666711
4-Chloro-3-methylphenol	U	J4	0.0126	0.390	1	05/08/2021 18:06	WG1666711
2-Chlorophenol	U	J4	0.0129	0.390	1	05/08/2021 18:06	WG1666711
2-Methylphenol	U	J4	0.0117	0.390	1	05/08/2021 18:06	WG1666711
3&4-Methyl Phenol	U		0.0122	0.390	1	05/08/2021 18:06	WG1666711
2,4-Dichlorophenol	U	J4	0.0114	0.390	1	05/08/2021 18:06	WG1666711
2,4-Dimethylphenol	U	J4	0.0102	0.390	1	05/08/2021 18:06	WG1666711
4,6-Dinitro-2-methylphenol	U	J4	0.0884	0.390	1	05/08/2021 18:06	WG1666711
2,4-Dinitrophenol	U		0.0912	0.390	1	05/08/2021 18:06	WG1666711
2-Nitrophenol	U	J4	0.0139	0.390	1	05/08/2021 18:06	WG1666711
4-Nitrophenol	U		0.0122	0.390	1	05/08/2021 18:06	WG1666711
Pentachlorophenol	U		0.0105	0.390	1	05/08/2021 18:06	WG1666711
Phenol	U		0.0157	0.390	1	05/08/2021 18:06	WG1666711
2,4,5-Trichlorophenol	U	J4	0.0132	0.390	1	05/08/2021 18:06	WG1666711
2,4,6-Trichlorophenol	U	J4	0.0125	0.390	1	05/08/2021 18:06	WG1666711
(S) 2-Fluorophenol	*60.7*			*30.0-130*		*05/08/2021 18:06*	WG1666711
(S) Phenol-d5	*57.3*			*30.0-130*		*05/08/2021 18:06*	WG1666711
(S) Nitrobenzene-d5	*49.5*			*30.0-130*		*05/08/2021 18:06*	WG1666711
(S) 2-Fluorobiphenyl	*64.4*			*30.0-130*		*05/08/2021 18:06*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*81.1*			*30.0-130*		*05/08/2021 18:06*	WG1666711
(S) p-Terphenyl-d14	*65.6*			*30.0-130*		*05/08/2021 18:06*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.189	J N	0.000	0.000	1	05/08/2021 18:06	WG1666711		
Unknown-01	0.143	J N	0.000	0.000	1	05/08/2021 18:06	WG1666711	000123-42-2	2.22
2-Hexyl-1-Decanol	0.0461	J N	0.000	0.000	1	05/08/2021 18:06	WG1666711	000000-00-0	8.34

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	79.7		1	05/04/2021 13:40	WG1664020

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0920	0.314	1	05/11/2021 19:16	WG1668185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.194		0.0226	0.0502	1	05/06/2021 16:37	WG1662823

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	15400		7.63	12.6	1	05/07/2021 08:25	WG1662844
Antimony	2.70		0.683	2.51	1	05/07/2021 08:25	WG1662844
Arsenic	11.4		0.650	2.51	1	05/07/2021 08:25	WG1662844
Barium	68.6		0.107	0.628	1	05/07/2021 08:25	WG1662844
Beryllium	1.10		0.0395	0.251	1	05/07/2021 08:25	WG1662844
Cadmium	U		0.0591	0.628	1	05/07/2021 08:25	WG1662844
Calcium	5160		13.3	126	1	05/07/2021 08:25	WG1662844
Chromium	34.1		0.167	1.26	1	05/07/2021 08:25	WG1662844
Cobalt	11.8		0.102	1.26	1	05/07/2021 08:25	WG1662844
Copper	19.7		0.502	2.51	1	05/07/2021 08:25	WG1662844
Iron	43400		2.81	12.6	1	05/07/2021 08:25	WG1662844
Lead	129		0.261	0.628	1	05/07/2021 08:25	WG1662844
Magnesium	2730		9.26	126	1	05/07/2021 08:25	WG1662844
Manganese	148		0.167	1.26	1	05/07/2021 08:25	WG1662844
Nickel	16.2		0.166	2.51	1	05/07/2021 08:25	WG1662844
Potassium	4220		26.2	126	1	05/07/2021 08:25	WG1662844
Selenium	1.97	J	0.959	2.51	1	05/07/2021 08:25	WG1662844
Silver	U		0.159	1.26	1	05/07/2021 08:25	WG1662844
Sodium	154		51.7	126	1	05/07/2021 08:25	WG1662844
Thallium	U		0.495	2.51	1	05/07/2021 08:25	WG1662844
Vanadium	36.6		0.635	2.51	1	05/07/2021 08:25	WG1662844
Zinc	89.4		1.04	6.28	1	05/07/2021 08:25	WG1662844

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0910	C5 J4	0.0260	0.0628	1	05/08/2021 16:32	WG1666722
Benzene	0.00182		0.000471	0.00126	1	05/08/2021 16:32	WG1666722
Bromochloromethane	U		0.000420	0.00126	1	05/08/2021 16:32	WG1666722
Bromodichloromethane	U		0.000910	0.00126	1	05/08/2021 16:32	WG1666722
Bromoform	U		0.000532	0.00126	1	05/08/2021 16:32	WG1666722
Bromomethane	U		0.00147	0.00628	1	05/08/2021 16:32	WG1666722
Carbon disulfide	U		0.000879	0.00126	1	05/08/2021 16:32	WG1666722
Carbon tetrachloride	U		0.000311	0.00126	1	05/08/2021 16:32	WG1666722
Chlorobenzene	U		0.000241	0.00126	1	05/08/2021 16:32	WG1666722
Chlorodibromomethane	U		0.000281	0.00126	1	05/08/2021 16:32	WG1666722
Chloroethane	U		0.00126	0.00628	1	05/08/2021 16:32	WG1666722
Chloroform	U		0.00129	0.00628	1	05/08/2021 16:32	WG1666722
Chloromethane	U		0.000816	0.00314	1	05/08/2021 16:32	WG1666722

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000336	0.00126	1	05/08/2021 16:32	WG1666722
1,2-Dibromo-3-Chloropropane	U		0.00238	0.00628	1	05/08/2021 16:32	WG1666722
1,2-Dibromoethane	U		0.000314	0.00126	1	05/08/2021 16:32	WG1666722
Dichlorodifluoromethane	U		0.000360	0.00628	1	05/08/2021 16:32	WG1666722
1,1-Dichloroethane	U		0.000336	0.00126	1	05/08/2021 16:32	WG1666722
1,2-Dichloroethane	U		0.000565	0.00126	1	05/08/2021 16:32	WG1666722
1,2-Dichlorobenzene	U		0.000533	0.00126	1	05/08/2021 16:32	WG1666722
1,3-Dichlorobenzene	U		0.000753	0.00126	1	05/08/2021 16:32	WG1666722
1,4-Dichlorobenzene	U		0.00104	0.00126	1	05/08/2021 16:32	WG1666722
1,1-Dichloroethene	U		0.000446	0.00126	1	05/08/2021 16:32	WG1666722
cis-1,2-Dichloroethene	U		0.000596	0.00126	1	05/08/2021 16:32	WG1666722
trans-1,2-Dichloroethene	U		0.000628	0.00126	1	05/08/2021 16:32	WG1666722
1,2-Dichloropropane	U		0.000206	0.00126	1	05/08/2021 16:32	WG1666722
cis-1,3-Dichloropropene	U		0.000533	0.00126	1	05/08/2021 16:32	WG1666722
trans-1,3-Dichloropropene	U		0.000847	0.00126	1	05/08/2021 16:32	WG1666722
Ethylbenzene	U		0.000377	0.00126	1	05/08/2021 16:32	WG1666722
2-Hexanone	U		0.00225	0.0126	1	05/08/2021 16:32	WG1666722
Isopropylbenzene	U		0.000533	0.00126	1	05/08/2021 16:32	WG1666722
2-Butanone (MEK)	0.00646	J	0.00587	0.0126	1	05/08/2021 16:32	WG1666722
Methyl Acetate	0.0129	J	0.00377	0.0251	1	05/08/2021 16:32	WG1666722
Methyl Cyclohexane	0.00138		0.000973	0.00126	1	05/08/2021 16:32	WG1666722
Methylene Chloride	U		0.00126	0.00628	1	05/08/2021 16:32	WG1666722
4-Methyl-2-pentanone (MIBK)	U		0.00119	0.0126	1	05/08/2021 16:32	WG1666722
Methyl tert-butyl ether	U		0.000439	0.00126	1	05/08/2021 16:32	WG1666722
Styrene	U		0.000280	0.00126	1	05/08/2021 16:32	WG1666722
1,1,2,2-Tetrachloroethane	U		0.000290	0.00126	1	05/08/2021 16:32	WG1666722
Tetrachloroethene	U		0.000408	0.00126	1	05/08/2021 16:32	WG1666722
Toluene	0.00374	J	0.00154	0.00628	1	05/08/2021 16:32	WG1666722
1,2,3-Trichlorobenzene	U		0.000384	0.00126	1	05/08/2021 16:32	WG1666722
1,2,4-Trichlorobenzene	U		0.000487	0.00126	1	05/08/2021 16:32	WG1666722
1,1,1-Trichloroethane	U		0.000464	0.00126	1	05/08/2021 16:32	WG1666722
1,1,2-Trichloroethane	U		0.000533	0.00126	1	05/08/2021 16:32	WG1666722
Trichloroethene	U		0.000251	0.00126	1	05/08/2021 16:32	WG1666722
Trichlorofluoromethane	U		0.000447	0.00628	1	05/08/2021 16:32	WG1666722
1,1,2-Trichlorotrifluoroethane	U		0.000535	0.00126	1	05/08/2021 16:32	WG1666722
Vinyl chloride	U		0.000284	0.00126	1	05/08/2021 16:32	WG1666722
Xylenes, Total	0.000788	B J	0.000628	0.00377	1	05/08/2021 16:32	WG1666722
(S) Toluene-d8	*105*			*75.0-131*		*05/08/2021 16:32*	WG1666722
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/08/2021 16:32*	WG1666722
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*05/08/2021 16:32*	WG1666722

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/08/2021 16:32	WG1666722		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00472	0.0251	1	05/05/2021 22:34	WG1664100
Alpha BHC	U		0.00462	0.0251	1	05/05/2021 22:34	WG1664100
Beta BHC	U		0.00476	0.0251	1	05/05/2021 22:34	WG1664100
Delta BHC	U		0.00434	0.0251	1	05/05/2021 22:34	WG1664100
Gamma BHC	U		0.00432	0.0251	1	05/05/2021 22:34	WG1664100
Chlordane	U		0.129	0.377	1	05/05/2021 22:34	WG1664100
4,4-DDD	U		0.00464	0.0251	1	05/05/2021 22:34	WG1664100
4,4-DDE	U		0.00459	0.0251	1	05/05/2021 22:34	WG1664100
4,4-DDT	U		0.00787	0.0251	1	05/05/2021 22:34	WG1664100
Dieldrin	U		0.00432	0.0251	1	05/05/2021 22:34	WG1664100
Endosulfan I	U		0.00456	0.0251	1	05/05/2021 22:34	WG1664100
Endosulfan II	U		0.00420	0.0251	1	05/05/2021 22:34	WG1664100
Endosulfan sulfate	U		0.00457	0.0251	1	05/05/2021 22:34	WG1664100
Endrin	U		0.00439	0.0251	1	05/05/2021 22:34	WG1664100
Endrin aldehyde	U		0.00426	0.0251	1	05/05/2021 22:34	WG1664100
Endrin ketone	U		0.00892	0.0251	1	05/05/2021 22:34	WG1664100
Hexachlorobenzene	U		0.00434	0.0251	1	05/05/2021 22:34	WG1664100
Heptachlor	U		0.00537	0.0251	1	05/05/2021 22:34	WG1664100
Heptachlor epoxide	U		0.00426	0.0251	1	05/05/2021 22:34	WG1664100
Methoxychlor	U		0.00608	0.0251	1	05/05/2021 22:34	WG1664100
Toxaphene	U		0.156	0.502	1	05/05/2021 22:34	WG1664100
(S) Decachlorobiphenyl	*55.6*			*30.0-150*		*05/05/2021 22:34*	WG1664100
(S) Tetrachloro-m-xylene	*54.9*			*30.0-150*		*05/05/2021 22:34*	WG1664100

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0148	0.0427	1	05/05/2021 20:14	WG1664100
PCB 1221	U		0.0148	0.0427	1	05/05/2021 20:14	WG1664100
PCB 1232	U		0.0148	0.0427	1	05/05/2021 20:14	WG1664100
PCB 1242	U		0.0148	0.0427	1	05/05/2021 20:14	WG1664100
PCB 1248	U		0.00926	0.0213	1	05/05/2021 20:14	WG1664100
PCB 1254	U		0.00926	0.0213	1	05/05/2021 20:14	WG1664100
PCB 1260	U		0.00926	0.0213	1	05/05/2021 20:14	WG1664100
Total PCBs	U		0.00926	0.0213	1	05/05/2021 20:14	WG1664100
(S) Decachlorobiphenyl	*101*			*30.0-150*		*05/05/2021 20:14*	WG1664100
(S) Tetrachloro-m-xylene	*66.7*			*30.0-150*		*05/05/2021 20:14*	WG1664100

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00677	0.0418	1	05/08/2021 20:11	WG1666711
Acenaphthylene	0.0103	J J4	0.00589	0.0418	1	05/08/2021 20:11	WG1666711
Acetophenone	U	J4	0.0131	0.418	1	05/08/2021 20:11	WG1666711
Anthracene	U	J4	0.00744	0.0418	1	05/08/2021 20:11	WG1666711
Atrazine	U		0.0144	0.418	1	05/08/2021 20:11	WG1666711
Benzaldehyde	U		0.0222	0.418	1	05/08/2021 20:11	WG1666711
Benzo(a)anthracene	0.0420	J4	0.00737	0.0418	1	05/08/2021 20:11	WG1666711
Benzo(b)fluoranthene	0.0731	J4	0.00779	0.0418	1	05/08/2021 20:11	WG1666711
Benzo(k)fluoranthene	0.0300	J J4	0.00743	0.0418	1	05/08/2021 20:11	WG1666711
Benzo(g,h,i)perylene	0.0326	J J4	0.00764	0.0418	1	05/08/2021 20:11	WG1666711
Benzo(a)pyrene	0.0550	J4	0.00777	0.0418	1	05/08/2021 20:11	WG1666711
Biphenyl	U	J4	0.0133	0.418	1	05/08/2021 20:11	WG1666711
Bis(2-chlorethoxy)methane	U	J4	0.0126	0.418	1	05/08/2021 20:11	WG1666711
Bis(2-chloroethyl)ether	U	J4	0.0138	0.418	1	05/08/2021 20:11	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0181	0.418	1	05/08/2021 20:11	WG1666711
4-Bromophenyl-phenylether	U	J4	0.0147	0.418	1	05/08/2021 20:11	WG1666711
Caprolactam	0.102	J	0.0207	0.418	1	05/08/2021 20:11	WG1666711
Carbazole	U	J4	0.0129	0.418	1	05/08/2021 20:11	WG1666711
4-Chloroaniline	U	J4	0.0151	0.418	1	05/08/2021 20:11	WG1666711
2-Chloronaphthalene	U	J4	0.00734	0.0418	1	05/08/2021 20:11	WG1666711
4-Chlorophenyl-phenylether	U	J4	0.0146	0.418	1	05/08/2021 20:11	WG1666711
Chrysene	0.0458	J4	0.00831	0.0418	1	05/08/2021 20:11	WG1666711
Dibenz(a,h)anthracene	U	J4	0.0116	0.0418	1	05/08/2021 20:11	WG1666711
Dibenzofuran	U	J4	0.0137	0.418	1	05/08/2021 20:11	WG1666711
3,3-Dichlorobenzidine	U	J4	0.0154	0.418	1	05/08/2021 20:11	WG1666711
2,4-Dinitrotoluene	U		0.0120	0.418	1	05/08/2021 20:11	WG1666711
2,6-Dinitrotoluene	U	J4	0.0137	0.418	1	05/08/2021 20:11	WG1666711
Fluoranthene	0.0472	J4	0.00754	0.0418	1	05/08/2021 20:11	WG1666711
Fluorene	U	J4	0.00680	0.0418	1	05/08/2021 20:11	WG1666711
Hexachlorobenzene	U	J4	0.0148	0.418	1	05/08/2021 20:11	WG1666711
Hexachloro-1,3-butadiene	U	J4	0.0141	0.418	1	05/08/2021 20:11	WG1666711
Hexachlorocyclopentadiene	U		0.0220	0.418	1	05/08/2021 20:11	WG1666711
Hexachloroethane	U		0.0164	0.418	1	05/08/2021 20:11	WG1666711
Indeno(1,2,3-cd)pyrene	0.0372	J J4	0.0118	0.0418	1	05/08/2021 20:11	WG1666711
Isophorone	U	J4	0.0128	0.418	1	05/08/2021 20:11	WG1666711
2-Methylnaphthalene	U	J4	0.00542	0.0418	1	05/08/2021 20:11	WG1666711
Naphthalene	U	J4	0.0105	0.0418	1	05/08/2021 20:11	WG1666711
2-Nitroaniline	U	J4	0.0134	0.418	1	05/08/2021 20:11	WG1666711
3-Nitroaniline	U	J4	0.0133	0.418	1	05/08/2021 20:11	WG1666711
4-Nitroaniline	U		0.0122	0.418	1	05/08/2021 20:11	WG1666711
Nitrobenzene	U	J4	0.0146	0.418	1	05/08/2021 20:11	WG1666711
n-Nitrosodiphenylamine	U		0.0316	0.418	1	05/08/2021 20:11	WG1666711
n-Nitrosodi-n-propylamine	U	J4	0.0139	0.418	1	05/08/2021 20:11	WG1666711
Phenanthrene	0.00918	J J4	0.00830	0.0418	1	05/08/2021 20:11	WG1666711
Benzylbutyl phthalate	U	J4	0.0131	0.418	1	05/08/2021 20:11	WG1666711
Bis(2-ethylhexyl)phthalate	U	J4	0.0530	0.418	1	05/08/2021 20:11	WG1666711
Di-n-butyl phthalate	U	J4	0.0143	0.418	1	05/08/2021 20:11	WG1666711
Diethyl phthalate	U	J4	0.0138	0.418	1	05/08/2021 20:11	WG1666711
Dimethyl phthalate	U	J4	0.0886	0.418	1	05/08/2021 20:11	WG1666711
Di-n-octyl phthalate	U	J4	0.0282	0.418	1	05/08/2021 20:11	WG1666711
Pyrene	0.0427	J4	0.00813	0.0418	1	05/08/2021 20:11	WG1666711
1,2,4,5-Tetrachlorobenzene	U		0.0200	0.418	1	05/08/2021 20:11	WG1666711
4-Chloro-3-methylphenol	U	J4	0.0136	0.418	1	05/08/2021 20:11	WG1666711
2-Chlorophenol	U	J4	0.0138	0.418	1	05/08/2021 20:11	WG1666711
2-Methylphenol	U	J4	0.0126	0.418	1	05/08/2021 20:11	WG1666711
3&4-Methyl Phenol	U		0.0131	0.418	1	05/08/2021 20:11	WG1666711
2,4-Dichlorophenol	U	J4	0.0122	0.418	1	05/08/2021 20:11	WG1666711
2,4-Dimethylphenol	U	J4	0.0109	0.418	1	05/08/2021 20:11	WG1666711
4,6-Dinitro-2-methylphenol	U	J4	0.0948	0.418	1	05/08/2021 20:11	WG1666711
2,4-Dinitrophenol	U		0.0978	0.418	1	05/08/2021 20:11	WG1666711
2-Nitrophenol	U	J4	0.0149	0.418	1	05/08/2021 20:11	WG1666711
4-Nitrophenol	U		0.0131	0.418	1	05/08/2021 20:11	WG1666711
Pentachlorophenol	U		0.0112	0.418	1	05/08/2021 20:11	WG1666711
Phenol	U		0.0168	0.418	1	05/08/2021 20:11	WG1666711
2,4,5-Trichlorophenol	U	J4	0.0142	0.418	1	05/08/2021 20:11	WG1666711
2,4,6-Trichlorophenol	U	J4	0.0134	0.418	1	05/08/2021 20:11	WG1666711
(S) 2-Fluorophenol	*62.7*			*30.0-130*		*05/08/2021 20:11*	WG1666711
(S) Phenol-d5	*59.4*			*30.0-130*		*05/08/2021 20:11*	WG1666711
(S) Nitrobenzene-d5	*52.4*			*30.0-130*		*05/08/2021 20:11*	WG1666711
(S) 2-Fluorobiphenyl	*66.2*			*30.0-130*		*05/08/2021 20:11*	WG1666711

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*82.5*			*30.0-130*		*05/08/2021 20:11*	WG1666711
(S) p-Terphenyl-d14	*66.2*			*30.0-130*		*05/08/2021 20:11*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.387	J N	0.000	0.000	1	05/08/2021 20:11	WG1666711		
Unknown-02	0.235	J N	0.000	0.000	1	05/08/2021 20:11	WG1666711	000123-42-2	2.21
Benzo[E]Pyrene	0.0560	J N	0.000	0.000	1	05/08/2021 20:11	WG1666711	000192-97-2	10.54
Unknown-03	0.0526	J N	0.000	0.000	1	05/08/2021 20:11	WG1666711	000565-61-7	2.85
Unknown-01	0.0436	J N	0.000	0.000	1	05/08/2021 20:11	WG1666711	062108-24-1	2.17

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.5		1	05/04/2021 13:40	WG1664020

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	0.106	J	0.0828	0.283	1	05/11/2021 19:17	WG1668185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	1.03		0.0203	0.0452	1	05/06/2021 16:40	WG1662823

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	14300		6.87	11.3	1	05/07/2021 08:28	WG1662844
Antimony	2.14	J	0.615	2.26	1	05/07/2021 08:28	WG1662844
Arsenic	9.75		0.585	2.26	1	05/07/2021 08:28	WG1662844
Barium	51.1		0.0963	0.565	1	05/07/2021 08:28	WG1662844
Beryllium	1.05		0.0356	0.226	1	05/07/2021 08:28	WG1662844
Cadmium	U		0.0532	0.565	1	05/07/2021 08:28	WG1662844
Calcium	3480		12.0	113	1	05/07/2021 08:28	WG1662844
Chromium	34.7		0.150	1.13	1	05/07/2021 08:28	WG1662844
Cobalt	6.54		0.0917	1.13	1	05/07/2021 08:28	WG1662844
Copper	14.2		0.452	2.26	1	05/07/2021 08:28	WG1662844
Iron	41000		2.53	11.3	1	05/07/2021 08:28	WG1662844
Lead	135		0.235	0.565	1	05/07/2021 08:28	WG1662844
Magnesium	2390		8.34	113	1	05/07/2021 08:28	WG1662844
Manganese	121		0.150	1.13	1	05/07/2021 08:28	WG1662844
Nickel	10.6		0.149	2.26	1	05/07/2021 08:28	WG1662844
Potassium	3650		23.6	113	1	05/07/2021 08:28	WG1662844
Selenium	2.13	J	0.863	2.26	1	05/07/2021 08:28	WG1662844
Silver	U		0.144	1.13	1	05/07/2021 08:28	WG1662844
Sodium	134		46.6	113	1	05/07/2021 08:28	WG1662844
Thallium	U		0.445	2.26	1	05/07/2021 08:28	WG1662844
Vanadium	39.4		0.572	2.26	1	05/07/2021 08:28	WG1662844
Zinc	79.0		0.940	5.65	1	05/07/2021 08:28	WG1662844

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0433	C5 J J4	0.0262	0.0633	1.12	05/08/2021 16:53	WG1666722
Benzene	0.000684	J	0.000475	0.00127	1.12	05/08/2021 16:53	WG1666722
Bromochloromethane	U		0.000424	0.00127	1.12	05/08/2021 16:53	WG1666722
Bromodichloromethane	U		0.000918	0.00127	1.12	05/08/2021 16:53	WG1666722
Bromoform	U		0.000537	0.00127	1.12	05/08/2021 16:53	WG1666722
Bromomethane	U		0.00148	0.00633	1.12	05/08/2021 16:53	WG1666722
Carbon disulfide	U		0.000886	0.00127	1.12	05/08/2021 16:53	WG1666722
Carbon tetrachloride	U		0.000314	0.00127	1.12	05/08/2021 16:53	WG1666722
Chlorobenzene	U		0.000243	0.00127	1.12	05/08/2021 16:53	WG1666722
Chlorodibromomethane	U		0.000284	0.00127	1.12	05/08/2021 16:53	WG1666722
Chloroethane	U		0.00127	0.00633	1.12	05/08/2021 16:53	WG1666722
Chloroform	U		0.00130	0.00633	1.12	05/08/2021 16:53	WG1666722
Chloromethane	U		0.000823	0.00316	1.12	05/08/2021 16:53	WG1666722

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000339	0.00127	1.12	05/08/2021 16:53	WG1666722
1,2-Dibromo-3-Chloropropane	U		0.00241	0.00633	1.12	05/08/2021 16:53	WG1666722
1,2-Dibromoethane	U		0.000316	0.00127	1.12	05/08/2021 16:53	WG1666722
Dichlorodifluoromethane	U		0.000363	0.00633	1.12	05/08/2021 16:53	WG1666722
1,1-Dichloroethane	U		0.000339	0.00127	1.12	05/08/2021 16:53	WG1666722
1,2-Dichloroethane	U		0.000570	0.00127	1.12	05/08/2021 16:53	WG1666722
1,2-Dichlorobenzene	U		0.000538	0.00127	1.12	05/08/2021 16:53	WG1666722
1,3-Dichlorobenzene	U		0.000759	0.00127	1.12	05/08/2021 16:53	WG1666722
1,4-Dichlorobenzene	U		0.00105	0.00127	1.12	05/08/2021 16:53	WG1666722
1,1-Dichloroethene	U		0.000450	0.00127	1.12	05/08/2021 16:53	WG1666722
cis-1,2-Dichloroethene	U		0.000601	0.00127	1.12	05/08/2021 16:53	WG1666722
trans-1,2-Dichloroethene	U		0.000633	0.00127	1.12	05/08/2021 16:53	WG1666722
1,2-Dichloropropane	U		0.000208	0.00127	1.12	05/08/2021 16:53	WG1666722
cis-1,3-Dichloropropene	U		0.000538	0.00127	1.12	05/08/2021 16:53	WG1666722
trans-1,3-Dichloropropene	U		0.000854	0.00127	1.12	05/08/2021 16:53	WG1666722
Ethylbenzene	U		0.000380	0.00127	1.12	05/08/2021 16:53	WG1666722
2-Hexanone	U		0.00226	0.0127	1.12	05/08/2021 16:53	WG1666722
Isopropylbenzene	U		0.000538	0.00127	1.12	05/08/2021 16:53	WG1666722
2-Butanone (MEK)	U		0.00592	0.0127	1.12	05/08/2021 16:53	WG1666722
Methyl Acetate	U		0.00380	0.0253	1.12	05/08/2021 16:53	WG1666722
Methyl Cyclohexane	U		0.000981	0.00127	1.12	05/08/2021 16:53	WG1666722
Methylene Chloride	U		0.00127	0.00633	1.12	05/08/2021 16:53	WG1666722
4-Methyl-2-pentanone (MIBK)	U		0.00120	0.0127	1.12	05/08/2021 16:53	WG1666722
Methyl tert-butyl ether	U		0.000443	0.00127	1.12	05/08/2021 16:53	WG1666722
Styrene	U		0.000283	0.00127	1.12	05/08/2021 16:53	WG1666722
1,1,2,2-Tetrachloroethane	U		0.000293	0.00127	1.12	05/08/2021 16:53	WG1666722
Tetrachloroethene	U		0.000411	0.00127	1.12	05/08/2021 16:53	WG1666722
Toluene	U		0.00156	0.00633	1.12	05/08/2021 16:53	WG1666722
1,2,3-Trichlorobenzene	U		0.000388	0.00127	1.12	05/08/2021 16:53	WG1666722
1,2,4-Trichlorobenzene	U		0.000492	0.00127	1.12	05/08/2021 16:53	WG1666722
1,1,1-Trichloroethane	U		0.000468	0.00127	1.12	05/08/2021 16:53	WG1666722
1,1,2-Trichloroethane	U		0.000538	0.00127	1.12	05/08/2021 16:53	WG1666722
Trichloroethene	U		0.000253	0.00127	1.12	05/08/2021 16:53	WG1666722
Trichlorofluoromethane	U		0.000451	0.00633	1.12	05/08/2021 16:53	WG1666722
1,1,2-Trichlorotrifluoroethane	U		0.000539	0.00127	1.12	05/08/2021 16:53	WG1666722
Vinyl chloride	U		0.000286	0.00127	1.12	05/08/2021 16:53	WG1666722
Xylenes, Total	0.00102	B J	0.000633	0.00380	1.12	05/08/2021 16:53	WG1666722
(S) Toluene-d8	*107*			*75.0-131*		*05/08/2021 16:53*	WG1666722
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*05/08/2021 16:53*	WG1666722
(S) 1,2-Dichloroethane-d4	*117*			*70.0-130*		*05/08/2021 16:53*	WG1666722

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1.12	05/08/2021 16:53	WG1666722		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00425	0.0226	1	05/05/2021 22:49	WG1664100
Alpha BHC	U		0.00416	0.0226	1	05/05/2021 22:49	WG1664100
Beta BHC	U		0.00428	0.0226	1	05/05/2021 22:49	WG1664100
Delta BHC	U		0.00391	0.0226	1	05/05/2021 22:49	WG1664100
Gamma BHC	U		0.00389	0.0226	1	05/05/2021 22:49	WG1664100
Chlordane	U		0.116	0.339	1	05/05/2021 22:49	WG1664100
4,4-DDD	U		0.00418	0.0226	1	05/05/2021 22:49	WG1664100
4,4-DDE	U		0.00414	0.0226	1	05/05/2021 22:49	WG1664100
4,4-DDT	U		0.00709	0.0226	1	05/05/2021 22:49	WG1664100
Dieldrin	U		0.00389	0.0226	1	05/05/2021 22:49	WG1664100
Endosulfan I	U		0.00410	0.0226	1	05/05/2021 22:49	WG1664100
Endosulfan II	U		0.00379	0.0226	1	05/05/2021 22:49	WG1664100
Endosulfan sulfate	U		0.00411	0.0226	1	05/05/2021 22:49	WG1664100
Endrin	U		0.00396	0.0226	1	05/05/2021 22:49	WG1664100
Endrin aldehyde	U		0.00383	0.0226	1	05/05/2021 22:49	WG1664100
Endrin ketone	U		0.00803	0.0226	1	05/05/2021 22:49	WG1664100
Hexachlorobenzene	U		0.00391	0.0226	1	05/05/2021 22:49	WG1664100
Heptachlor	U		0.00484	0.0226	1	05/05/2021 22:49	WG1664100
Heptachlor epoxide	U		0.00383	0.0226	1	05/05/2021 22:49	WG1664100
Methoxychlor	U		0.00547	0.0226	1	05/05/2021 22:49	WG1664100
Toxaphene	U		0.140	0.452	1	05/05/2021 22:49	WG1664100
(S) Decachlorobiphenyl	*165*	J1		*30.0-150*		*05/05/2021 22:49*	WG1664100
(S) Tetrachloro-m-xylene	*54.0*			*30.0-150*		*05/05/2021 22:49*	WG1664100

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0133	0.0384	1	05/05/2021 20:24	WG1664100
PCB 1221	U		0.0133	0.0384	1	05/05/2021 20:24	WG1664100
PCB 1232	U		0.0133	0.0384	1	05/05/2021 20:24	WG1664100
PCB 1242	U		0.0133	0.0384	1	05/05/2021 20:24	WG1664100
PCB 1248	U		0.00834	0.0192	1	05/05/2021 20:24	WG1664100
PCB 1254	0.00843	J P	0.00834	0.0192	1	05/05/2021 20:24	WG1664100
PCB 1260	U		0.00834	0.0192	1	05/05/2021 20:24	WG1664100
Total PCBs	0.00843	J P	0.00834	0.0192	1	05/05/2021 20:24	WG1664100
(S) Decachlorobiphenyl	*88.7*			*30.0-150*		*05/05/2021 20:24*	WG1664100
(S) Tetrachloro-m-xylene	*73.8*			*30.0-150*		*05/05/2021 20:24*	WG1664100

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.0609	0.376	10	05/12/2021 01:07	WG1666711
Acenaphthylene	U	J4	0.0530	0.376	10	05/12/2021 01:07	WG1666711
Acetophenone	U	J4	0.118	3.76	10	05/12/2021 01:07	WG1666711
Anthracene	0.0752	J J4	0.0670	0.376	10	05/12/2021 01:07	WG1666711
Atrazine	U		0.130	3.76	10	05/12/2021 01:07	WG1666711
Benzaldehyde	U		0.200	3.76	10	05/12/2021 01:07	WG1666711
Benzo(a)anthracene	0.391	J4	0.0663	0.376	10	05/12/2021 01:07	WG1666711
Benzo(b)fluoranthene	0.536	J4	0.0702	0.376	10	05/12/2021 01:07	WG1666711
Benzo(k)fluoranthene	0.212	J J4	0.0669	0.376	10	05/12/2021 01:07	WG1666711
Benzo(g,h,i)perylene	0.162	J J4	0.0688	0.376	10	05/12/2021 01:07	WG1666711
Benzo(a)pyrene	0.373	J J4	0.0700	0.376	10	05/12/2021 01:07	WG1666711
Biphenyl	U	J4	0.120	3.76	10	05/12/2021 01:07	WG1666711
Bis(2-chlorethoxy)methane	U	J4	0.113	3.76	10	05/12/2021 01:07	WG1666711
Bis(2-chloroethyl)ether	U	J4	0.124	3.76	10	05/12/2021 01:07	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.163	3.76	10	05/12/2021 01:07	WG1666711
4-Bromophenyl-phenylether	U	J4	0.132	3.76	10	05/12/2021 01:07	WG1666711
Caprolactam	U		0.186	3.76	10	05/12/2021 01:07	WG1666711
Carbazole	U	J4	0.116	3.76	10	05/12/2021 01:07	WG1666711
4-Chloroaniline	U	J4	0.136	3.76	10	05/12/2021 01:07	WG1666711
2-Chloronaphthalene	U	J4	0.0661	0.376	10	05/12/2021 01:07	WG1666711
4-Chlorophenyl-phenylether	U	J4	0.131	3.76	10	05/12/2021 01:07	WG1666711
Chrysene	0.391	J4	0.0748	0.376	10	05/12/2021 01:07	WG1666711
Dibenz(a,h)anthracene	U	J4	0.104	0.376	10	05/12/2021 01:07	WG1666711
Dibenzofuran	U	J4	0.123	3.76	10	05/12/2021 01:07	WG1666711
3,3-Dichlorobenzidine	U	J4	0.139	3.76	10	05/12/2021 01:07	WG1666711
2,4-Dinitrotoluene	U		0.108	3.76	10	05/12/2021 01:07	WG1666711
2,6-Dinitrotoluene	U	J4	0.123	3.76	10	05/12/2021 01:07	WG1666711
Fluoranthene	0.741	J4	0.0679	0.376	10	05/12/2021 01:07	WG1666711
Fluorene	U	J4	0.0613	0.376	10	05/12/2021 01:07	WG1666711
Hexachlorobenzene	U	J4	0.133	3.76	10	05/12/2021 01:07	WG1666711
Hexachloro-1,3-butadiene	U	J4	0.127	3.76	10	05/12/2021 01:07	WG1666711
Hexachlorocyclopentadiene	U		0.198	3.76	10	05/12/2021 01:07	WG1666711
Hexachloroethane	U		0.148	3.76	10	05/12/2021 01:07	WG1666711
Indeno(1,2,3-cd)pyrene	0.175	J J4	0.106	0.376	10	05/12/2021 01:07	WG1666711
Isophorone	U	J4	0.115	3.76	10	05/12/2021 01:07	WG1666711
2-Methylnaphthalene	U	J4	0.0488	0.376	10	05/12/2021 01:07	WG1666711
Naphthalene	U	J4	0.0945	0.376	10	05/12/2021 01:07	WG1666711
2-Nitroaniline	U	J4	0.121	3.76	10	05/12/2021 01:07	WG1666711
3-Nitroaniline	U	J4	0.120	3.76	10	05/12/2021 01:07	WG1666711
4-Nitroaniline	U		0.110	3.76	10	05/12/2021 01:07	WG1666711
Nitrobenzene	U	J4	0.131	3.76	10	05/12/2021 01:07	WG1666711
n-Nitrosodiphenylamine	U		0.285	3.76	10	05/12/2021 01:07	WG1666711
n-Nitrosodi-n-propylamine	U	J4	0.125	3.76	10	05/12/2021 01:07	WG1666711
Phenanthrene	0.374	J J4	0.0747	0.376	10	05/12/2021 01:07	WG1666711
Benzylbutyl phthalate	0.994	J J4	0.118	3.76	10	05/12/2021 01:07	WG1666711
Bis(2-ethylhexyl)phthalate	U	J4	0.477	3.76	10	05/12/2021 01:07	WG1666711
Di-n-butyl phthalate	U	J4	0.129	3.76	10	05/12/2021 01:07	WG1666711
Diethyl phthalate	U	J4	0.124	3.76	10	05/12/2021 01:07	WG1666711
Dimethyl phthalate	U	J4	0.798	3.76	10	05/12/2021 01:07	WG1666711
Di-n-octyl phthalate	U	J4	0.254	3.76	10	05/12/2021 01:07	WG1666711
Pyrene	0.628	J4	0.0732	0.376	10	05/12/2021 01:07	WG1666711
1,2,4,5-Tetrachlorobenzene	U		0.180	3.76	10	05/12/2021 01:07	WG1666711
4-Chloro-3-methylphenol	U	J4	0.122	3.76	10	05/12/2021 01:07	WG1666711
2-Chlorophenol	U	J4	0.124	3.76	10	05/12/2021 01:07	WG1666711
2-Methylphenol	U	J4	0.113	3.76	10	05/12/2021 01:07	WG1666711
3&4-Methyl Phenol	U		0.118	3.76	10	05/12/2021 01:07	WG1666711
2,4-Dichlorophenol	U	J4	0.110	3.76	10	05/12/2021 01:07	WG1666711
2,4-Dimethylphenol	U	J4	0.0983	3.76	10	05/12/2021 01:07	WG1666711
4,6-Dinitro-2-methylphenol	U	J4	0.853	3.76	10	05/12/2021 01:07	WG1666711
2,4-Dinitrophenol	U		0.880	3.76	10	05/12/2021 01:07	WG1666711
2-Nitrophenol	U	J4	0.134	3.76	10	05/12/2021 01:07	WG1666711
4-Nitrophenol	U		0.118	3.76	10	05/12/2021 01:07	WG1666711
Pentachlorophenol	U		0.101	3.76	10	05/12/2021 01:07	WG1666711
Phenol	U		0.151	3.76	10	05/12/2021 01:07	WG1666711
2,4,5-Trichlorophenol	U	J4	0.128	3.76	10	05/12/2021 01:07	WG1666711
2,4,6-Trichlorophenol	U	J4	0.121	3.76	10	05/12/2021 01:07	WG1666711
(S) 2-Fluorophenol	*79.4*			*30.0-130*		*05/12/2021 01:07*	WG1666711
(S) Phenol-d5	*76.3*			*30.0-130*		*05/12/2021 01:07*	WG1666711
(S) Nitrobenzene-d5	*69.2*			*30.0-130*		*05/12/2021 01:07*	WG1666711
(S) 2-Fluorobiphenyl	*86.8*			*30.0-130*		*05/12/2021 01:07*	WG1666711

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*96.2*			*30.0-130*		*05/12/2021 01:07*	WG1666711
(S) p-Terphenyl-d14	*82.7*			*30.0-130*		*05/12/2021 01:07*	WG1666711

Sample Narrative:

L1346268-12 WG1666711: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	2.81	J N	0.000	0.000	10	05/12/2021 01:07	WG1666711		
Unknown-01	1.97	J N	0.000	0.000	10	05/12/2021 01:07	WG1666711	027554-26-3	9.64
Heptadecane	0.459	J N	0.000	0.000	10	05/12/2021 01:07	WG1666711	000629-78-7	5.52
Benzo[E]Pyrene	0.382	J N	0.000	0.000	10	05/12/2021 01:07	WG1666711	000192-97-2	10.55

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.7		1	05/04/2021 13:40	WG1664020

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	0.171	J	0.0791	0.270	1	05/11/2021 19:20	WG1668185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0443		0.0194	0.0431	1	05/06/2021 15:59	WG1662823

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	3500		6.56	10.8	1	05/07/2021 08:30	WG1662844
Antimony	U		0.587	2.16	1	05/07/2021 08:30	WG1662844
Arsenic	6.35		0.559	2.16	1	05/07/2021 08:30	WG1662844
Barium	24.8		0.0919	0.539	1	05/07/2021 08:30	WG1662844
Beryllium	0.220		0.0340	0.216	1	05/07/2021 08:30	WG1662844
Cadmium	0.116	J	0.0508	0.539	1	05/07/2021 08:30	WG1662844
Calcium	11200		11.4	108	1	05/07/2021 08:30	WG1662844
Chromium	7.21		0.143	1.08	1	05/07/2021 08:30	WG1662844
Cobalt	6.45		0.0875	1.08	1	05/07/2021 08:30	WG1662844
Copper	7.33		0.431	2.16	1	05/07/2021 08:30	WG1662844
Iron	6400		2.42	10.8	1	05/07/2021 08:30	WG1662844
Lead	93.3		0.224	0.539	1	05/07/2021 08:30	WG1662844
Magnesium	2880		7.96	108	1	05/07/2021 08:30	WG1662844
Manganese	64.9		0.143	1.08	1	05/07/2021 08:30	WG1662844
Nickel	9.77		0.142	2.16	1	05/07/2021 08:30	WG1662844
Potassium	684		22.5	108	1	05/07/2021 08:30	WG1662844
Selenium	U		0.824	2.16	1	05/07/2021 08:30	WG1662844
Silver	U		0.137	1.08	1	05/07/2021 08:30	WG1662844
Sodium	155		44.4	108	1	05/07/2021 08:30	WG1662844
Thallium	U		0.425	2.16	1	05/07/2021 08:30	WG1662844
Vanadium	15.3		0.546	2.16	1	05/07/2021 08:30	WG1662844
Zinc	118		0.897	5.39	1	05/07/2021 08:30	WG1662844

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0469	J	0.0230	0.0555	1.03	05/08/2021 00:35	WG1666286
Benzene	0.000823	J	0.000416	0.00111	1.03	05/08/2021 00:35	WG1666286
Bromochloromethane	U		0.000372	0.00111	1.03	05/08/2021 00:35	WG1666286
Bromodichloromethane	U		0.000806	0.00111	1.03	05/08/2021 00:35	WG1666286
Bromoform	U		0.000471	0.00111	1.03	05/08/2021 00:35	WG1666286
Bromomethane	U		0.00131	0.00555	1.03	05/08/2021 00:35	WG1666286
Carbon disulfide	U		0.000778	0.00111	1.03	05/08/2021 00:35	WG1666286
Carbon tetrachloride	U		0.000275	0.00111	1.03	05/08/2021 00:35	WG1666286
Chlorobenzene	U		0.000214	0.00111	1.03	05/08/2021 00:35	WG1666286
Chlorodibromomethane	U		0.000249	0.00111	1.03	05/08/2021 00:35	WG1666286
Chloroethane	U		0.00111	0.00555	1.03	05/08/2021 00:35	WG1666286
Chloroform	U		0.00114	0.00555	1.03	05/08/2021 00:35	WG1666286
Chloromethane	U		0.000723	0.00278	1.03	05/08/2021 00:35	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000298	0.00111	1.03	05/08/2021 00:35	WG1666286
1,2-Dibromo-3-Chloropropane	U		0.00211	0.00555	1.03	05/08/2021 00:35	WG1666286
1,2-Dibromoethane	U		0.000278	0.00111	1.03	05/08/2021 00:35	WG1666286
Dichlorodifluoromethane	U		0.000319	0.00555	1.03	05/08/2021 00:35	WG1666286
1,1-Dichloroethane	U		0.000298	0.00111	1.03	05/08/2021 00:35	WG1666286
1,2-Dichloroethane	U		0.000500	0.00111	1.03	05/08/2021 00:35	WG1666286
1,2-Dichlorobenzene	U		0.000472	0.00111	1.03	05/08/2021 00:35	WG1666286
1,3-Dichlorobenzene	U		0.000667	0.00111	1.03	05/08/2021 00:35	WG1666286
1,4-Dichlorobenzene	U		0.000922	0.00111	1.03	05/08/2021 00:35	WG1666286
1,1-Dichloroethene	U		0.000395	0.00111	1.03	05/08/2021 00:35	WG1666286
cis-1,2-Dichloroethene	U		0.000527	0.00111	1.03	05/08/2021 00:35	WG1666286
trans-1,2-Dichloroethene	U		0.000555	0.00111	1.03	05/08/2021 00:35	WG1666286
1,2-Dichloropropane	U		0.000182	0.00111	1.03	05/08/2021 00:35	WG1666286
cis-1,3-Dichloropropene	U		0.000472	0.00111	1.03	05/08/2021 00:35	WG1666286
trans-1,3-Dichloropropene	U		0.000750	0.00111	1.03	05/08/2021 00:35	WG1666286
Ethylbenzene	U		0.000333	0.00111	1.03	05/08/2021 00:35	WG1666286
2-Hexanone	U		0.00198	0.0111	1.03	05/08/2021 00:35	WG1666286
Isopropylbenzene	U		0.000472	0.00111	1.03	05/08/2021 00:35	WG1666286
2-Butanone (MEK)	0.00541	J	0.00520	0.0111	1.03	05/08/2021 00:35	WG1666286
Methyl Acetate	U		0.00333	0.0222	1.03	05/08/2021 00:35	WG1666286
Methyl Cyclohexane	U		0.000861	0.00111	1.03	05/08/2021 00:35	WG1666286
Methylene Chloride	U		0.00111	0.00555	1.03	05/08/2021 00:35	WG1666286
4-Methyl-2-pentanone (MIBK)	U		0.00106	0.0111	1.03	05/08/2021 00:35	WG1666286
Methyl tert-butyl ether	U		0.000389	0.00111	1.03	05/08/2021 00:35	WG1666286
Styrene	U		0.000248	0.00111	1.03	05/08/2021 00:35	WG1666286
1,1,2,2-Tetrachloroethane	U	C3	0.000257	0.00111	1.03	05/08/2021 00:35	WG1666286
Tetrachloroethene	U		0.000361	0.00111	1.03	05/08/2021 00:35	WG1666286
Toluene	U		0.00137	0.00555	1.03	05/08/2021 00:35	WG1666286
1,2,3-Trichlorobenzene	U		0.000340	0.00111	1.03	05/08/2021 00:35	WG1666286
1,2,4-Trichlorobenzene	U		0.000431	0.00111	1.03	05/08/2021 00:35	WG1666286
1,1,1-Trichloroethane	U		0.000411	0.00111	1.03	05/08/2021 00:35	WG1666286
1,1,2-Trichloroethane	U		0.000472	0.00111	1.03	05/08/2021 00:35	WG1666286
Trichloroethene	U		0.000222	0.00111	1.03	05/08/2021 00:35	WG1666286
Trichlorofluoromethane	U		0.000396	0.00555	1.03	05/08/2021 00:35	WG1666286
1,1,2-Trichlorotrifluoroethane	U		0.000473	0.00111	1.03	05/08/2021 00:35	WG1666286
Vinyl chloride	U		0.000251	0.00111	1.03	05/08/2021 00:35	WG1666286
Xylenes, Total	U		0.000555	0.00333	1.03	05/08/2021 00:35	WG1666286
(S) Toluene-d8	*109*			*75.0-131*		*05/08/2021 00:35*	WG1666286
(S) 4-Bromofluorobenzene	*106*			*67.0-138*		*05/08/2021 00:35*	WG1666286
(S) 1,2-Dichloroethane-d4	*127*			*70.0-130*		*05/08/2021 00:35*	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.0150	J N	0.000	0.000	1.03	05/08/2021 00:35	WG1666286		
Hexanal	0.00778	J N	0.000	0.000	1.03	05/08/2021 00:35	WG1666286	000066-25-1	6.16
Propanal	0.00381	J N	0.000	0.000	1.03	05/08/2021 00:35	WG1666286	000123-38-6	2.63
Pentanal	0.00339	J N	0.000	0.000	1.03	05/08/2021 00:35	WG1666286	000110-62-3	4.93

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00406	0.0216	1	05/05/2021 23:04	WG1664100
Alpha BHC	U		0.00397	0.0216	1	05/05/2021 23:04	WG1664100
Beta BHC	U		0.00409	0.0216	1	05/05/2021 23:04	WG1664100
Delta BHC	U		0.00373	0.0216	1	05/05/2021 23:04	WG1664100
Gamma BHC	U		0.00371	0.0216	1	05/05/2021 23:04	WG1664100
Chlordane	U		0.111	0.324	1	05/05/2021 23:04	WG1664100
4,4-DDD	U		0.00399	0.0216	1	05/05/2021 23:04	WG1664100
4,4-DDE	U		0.00395	0.0216	1	05/05/2021 23:04	WG1664100
4,4-DDT	U		0.00676	0.0216	1	05/05/2021 23:04	WG1664100
Dieldrin	U		0.00371	0.0216	1	05/05/2021 23:04	WG1664100
Endosulfan I	U		0.00392	0.0216	1	05/05/2021 23:04	WG1664100
Endosulfan II	U		0.00361	0.0216	1	05/05/2021 23:04	WG1664100
Endosulfan sulfate	U		0.00393	0.0216	1	05/05/2021 23:04	WG1664100
Endrin	U		0.00377	0.0216	1	05/05/2021 23:04	WG1664100
Endrin aldehyde	U		0.00366	0.0216	1	05/05/2021 23:04	WG1664100
Endrin ketone	U		0.00767	0.0216	1	05/05/2021 23:04	WG1664100
Hexachlorobenzene	U		0.00373	0.0216	1	05/05/2021 23:04	WG1664100
Heptachlor	U		0.00462	0.0216	1	05/05/2021 23:04	WG1664100
Heptachlor epoxide	U		0.00366	0.0216	1	05/05/2021 23:04	WG1664100
Methoxychlor	U		0.00522	0.0216	1	05/05/2021 23:04	WG1664100
Toxaphene	U		0.134	0.431	1	05/05/2021 23:04	WG1664100
(S) Decachlorobiphenyl	*84.2*			*30.0-150*		*05/05/2021 23:04*	WG1664100
(S) Tetrachloro-m-xylene	*46.3*			*30.0-150*		*05/05/2021 23:04*	WG1664100

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0127	0.0367	1	05/05/2021 20:34	WG1664100
PCB 1221	U		0.0127	0.0367	1	05/05/2021 20:34	WG1664100
PCB 1232	U		0.0127	0.0367	1	05/05/2021 20:34	WG1664100
PCB 1242	U		0.0127	0.0367	1	05/05/2021 20:34	WG1664100
PCB 1248	U		0.00796	0.0183	1	05/05/2021 20:34	WG1664100
PCB 1254	U		0.00796	0.0183	1	05/05/2021 20:34	WG1664100
PCB 1260	U		0.00796	0.0183	1	05/05/2021 20:34	WG1664100
Total PCBs	U		0.00796	0.0183	1	05/05/2021 20:34	WG1664100
(S) Decachlorobiphenyl	*71.2*			*30.0-150*		*05/05/2021 20:34*	WG1664100
(S) Tetrachloro-m-xylene	*65.6*			*30.0-150*		*05/05/2021 20:34*	WG1664100

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.0581	0.359	10	05/12/2021 00:47	WG1666711
Acenaphthylene	U	J4	0.0506	0.359	10	05/12/2021 00:47	WG1666711
Acetophenone	U	J4	0.112	3.59	10	05/12/2021 00:47	WG1666711
Anthracene	U	J4	0.0640	0.359	10	05/12/2021 00:47	WG1666711
Atrazine	U		0.124	3.59	10	05/12/2021 00:47	WG1666711
Benzaldehyde	U		0.191	3.59	10	05/12/2021 00:47	WG1666711
Benzo(a)anthracene	0.288	J J4	0.0633	0.359	10	05/12/2021 00:47	WG1666711
Benzo(b)fluoranthene	0.456	J4	0.0670	0.359	10	05/12/2021 00:47	WG1666711
Benzo(k)fluoranthene	0.163	J J4	0.0638	0.359	10	05/12/2021 00:47	WG1666711
Benzo(g,h,i)perylene	0.136	J J4	0.0657	0.359	10	05/12/2021 00:47	WG1666711
Benzo(a)pyrene	0.270	J J4	0.0668	0.359	10	05/12/2021 00:47	WG1666711
Biphenyl	U	J4	0.114	3.59	10	05/12/2021 00:47	WG1666711
Bis(2-chlorethoxy)methane	U	J4	0.108	3.59	10	05/12/2021 00:47	WG1666711
Bis(2-chloroethyl)ether	U	J4	0.119	3.59	10	05/12/2021 00:47	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.155	3.59	10	05/12/2021 00:47	WG1666711
4-Bromophenyl-phenylether	U	J4	0.126	3.59	10	05/12/2021 00:47	WG1666711
Caprolactam	U		0.178	3.59	10	05/12/2021 00:47	WG1666711
Carbazole	U	J4	0.111	3.59	10	05/12/2021 00:47	WG1666711
4-Chloroaniline	U	J4	0.129	3.59	10	05/12/2021 00:47	WG1666711
2-Chloronaphthalene	U	J4	0.0631	0.359	10	05/12/2021 00:47	WG1666711
4-Chlorophenyl-phenylether	U	J4	0.125	3.59	10	05/12/2021 00:47	WG1666711
Chrysene	0.327	J J4	0.0714	0.359	10	05/12/2021 00:47	WG1666711
Dibenz(a,h)anthracene	U	J4	0.0995	0.359	10	05/12/2021 00:47	WG1666711
Dibenzofuran	U	J4	0.118	3.59	10	05/12/2021 00:47	WG1666711
3,3-Dichlorobenzidine	U	J4	0.133	3.59	10	05/12/2021 00:47	WG1666711
2,4-Dinitrotoluene	U		0.103	3.59	10	05/12/2021 00:47	WG1666711
2,6-Dinitrotoluene	U	J4	0.118	3.59	10	05/12/2021 00:47	WG1666711
Fluoranthene	0.536	J4	0.0648	0.359	10	05/12/2021 00:47	WG1666711
Fluorene	U	J4	0.0585	0.359	10	05/12/2021 00:47	WG1666711
Hexachlorobenzene	U	J4	0.127	3.59	10	05/12/2021 00:47	WG1666711
Hexachloro-1,3-butadiene	U	J4	0.121	3.59	10	05/12/2021 00:47	WG1666711
Hexachlorocyclopentadiene	U		0.189	3.59	10	05/12/2021 00:47	WG1666711
Hexachloroethane	U		0.141	3.59	10	05/12/2021 00:47	WG1666711
Indeno(1,2,3-cd)pyrene	0.157	J J4	0.101	0.359	10	05/12/2021 00:47	WG1666711
Isophorone	U	J4	0.110	3.59	10	05/12/2021 00:47	WG1666711
2-Methylnaphthalene	U	J4	0.0466	0.359	10	05/12/2021 00:47	WG1666711
Naphthalene	U	J4	0.0902	0.359	10	05/12/2021 00:47	WG1666711
2-Nitroaniline	U	J4	0.115	3.59	10	05/12/2021 00:47	WG1666711
3-Nitroaniline	U	J4	0.114	3.59	10	05/12/2021 00:47	WG1666711
4-Nitroaniline	U		0.105	3.59	10	05/12/2021 00:47	WG1666711
Nitrobenzene	U	J4	0.125	3.59	10	05/12/2021 00:47	WG1666711
n-Nitrosodiphenylamine	U		0.272	3.59	10	05/12/2021 00:47	WG1666711
n-Nitrosodi-n-propylamine	U	J4	0.120	3.59	10	05/12/2021 00:47	WG1666711
Phenanthrene	0.278	J J4	0.0713	0.359	10	05/12/2021 00:47	WG1666711
Benzylbutyl phthalate	U	J4	0.112	3.59	10	05/12/2021 00:47	WG1666711
Bis(2-ethylhexyl)phthalate	U	J4	0.455	3.59	10	05/12/2021 00:47	WG1666711
Di-n-butyl phthalate	U	J4	0.123	3.59	10	05/12/2021 00:47	WG1666711
Diethyl phthalate	U	J4	0.119	3.59	10	05/12/2021 00:47	WG1666711
Dimethyl phthalate	U	J4	0.761	3.59	10	05/12/2021 00:47	WG1666711
Di-n-octyl phthalate	U	J4	0.243	3.59	10	05/12/2021 00:47	WG1666711
Pyrene	0.454	J4	0.0699	0.359	10	05/12/2021 00:47	WG1666711
1,2,4,5-Tetrachlorobenzene	U		0.171	3.59	10	05/12/2021 00:47	WG1666711
4-Chloro-3-methylphenol	U	J4	0.116	3.59	10	05/12/2021 00:47	WG1666711
2-Chlorophenol	U	J4	0.119	3.59	10	05/12/2021 00:47	WG1666711
2-Methylphenol	U	J4	0.108	3.59	10	05/12/2021 00:47	WG1666711
3&4-Methyl Phenol	U		0.112	3.59	10	05/12/2021 00:47	WG1666711
2,4-Dichlorophenol	U	J4	0.105	3.59	10	05/12/2021 00:47	WG1666711
2,4-Dimethylphenol	U	J4	0.0938	3.59	10	05/12/2021 00:47	WG1666711
4,6-Dinitro-2-methylphenol	U	J4	0.814	3.59	10	05/12/2021 00:47	WG1666711
2,4-Dinitrophenol	U		0.840	3.59	10	05/12/2021 00:47	WG1666711
2-Nitrophenol	U	J4	0.128	3.59	10	05/12/2021 00:47	WG1666711
4-Nitrophenol	U		0.112	3.59	10	05/12/2021 00:47	WG1666711
Pentachlorophenol	U		0.0966	3.59	10	05/12/2021 00:47	WG1666711
Phenol	U		0.145	3.59	10	05/12/2021 00:47	WG1666711
2,4,5-Trichlorophenol	U	J4	0.122	3.59	10	05/12/2021 00:47	WG1666711
2,4,6-Trichlorophenol	U	J4	0.115	3.59	10	05/12/2021 00:47	WG1666711
(S) 2-Fluorophenol	*77.1*			*30.0-130*		*05/12/2021 00:47*	WG1666711
(S) Phenol-d5	*71.3*			*30.0-130*		*05/12/2021 00:47*	WG1666711
(S) Nitrobenzene-d5	*64.3*			*30.0-130*		*05/12/2021 00:47*	WG1666711
(S) 2-Fluorobiphenyl	*84.0*			*30.0-130*		*05/12/2021 00:47*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*87.4*			*30.0-130*		*05/12/2021 00:47*	WG1666711
(S) p-Terphenyl-d14	*79.3*			*30.0-130*		*05/12/2021 00:47*	WG1666711

Sample Narrative:

L1346268-13 WG1666711: Cannot run at lower dilution due to viscosity of extract

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	10	05/12/2021 00:47	WG1666711		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.5		1	05/04/2021 13:40	WG1664020

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0899	0.307	1	05/11/2021 19:23	WG1668185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0221	0.0491	1	05/06/2021 16:42	WG1662823

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	5800		7.46	12.3	1	05/07/2021 08:33	WG1662844
Antimony	1.25	J	0.667	2.45	1	05/07/2021 08:33	WG1662844
Arsenic	2.77		0.635	2.45	1	05/07/2021 08:33	WG1662844
Barium	16.6		0.104	0.613	1	05/07/2021 08:33	WG1662844
Beryllium	0.332		0.0386	0.245	1	05/07/2021 08:33	WG1662844
Cadmium	0.194	J	0.0578	0.613	1	05/07/2021 08:33	WG1662844
Calcium	384		13.0	123	1	05/07/2021 08:33	WG1662844
Chromium	18.4		0.163	1.23	1	05/07/2021 08:33	WG1662844
Cobalt	1.70		0.0995	1.23	1	05/07/2021 08:33	WG1662844
Copper	4.30		0.491	2.45	1	05/07/2021 08:33	WG1662844
Iron	11300		2.75	12.3	1	05/07/2021 08:33	WG1662844
Lead	7.45		0.255	0.613	1	05/07/2021 08:33	WG1662844
Magnesium	1740		9.05	123	1	05/07/2021 08:33	WG1662844
Manganese	33.1		0.163	1.23	1	05/07/2021 08:33	WG1662844
Nickel	5.51		0.162	2.45	1	05/07/2021 08:33	WG1662844
Potassium	2410		25.6	123	1	05/07/2021 08:33	WG1662844
Selenium	U		0.937	2.45	1	05/07/2021 08:33	WG1662844
Silver	U		0.156	1.23	1	05/07/2021 08:33	WG1662844
Sodium	80.1	J	50.5	123	1	05/07/2021 08:33	WG1662844
Thallium	U		0.483	2.45	1	05/07/2021 08:33	WG1662844
Vanadium	16.3		0.621	2.45	1	05/07/2021 08:33	WG1662844
Zinc	150		1.02	6.13	1	05/07/2021 08:33	WG1662844

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0254	0.0613	1	05/08/2021 00:57	WG1666286
Benzene	U		0.000460	0.00123	1	05/08/2021 00:57	WG1666286
Bromochloromethane	U		0.000411	0.00123	1	05/08/2021 00:57	WG1666286
Bromodichloromethane	U		0.000889	0.00123	1	05/08/2021 00:57	WG1666286
Bromoform	U		0.000520	0.00123	1	05/08/2021 00:57	WG1666286
Bromomethane	U		0.00143	0.00613	1	05/08/2021 00:57	WG1666286
Carbon disulfide	U		0.000858	0.00123	1	05/08/2021 00:57	WG1666286
Carbon tetrachloride	U		0.000304	0.00123	1	05/08/2021 00:57	WG1666286
Chlorobenzene	U		0.000235	0.00123	1	05/08/2021 00:57	WG1666286
Chlorodibromomethane	U		0.000275	0.00123	1	05/08/2021 00:57	WG1666286
Chloroethane	U		0.00123	0.00613	1	05/08/2021 00:57	WG1666286
Chloroform	U		0.00126	0.00613	1	05/08/2021 00:57	WG1666286
Chloromethane	U		0.000797	0.00307	1	05/08/2021 00:57	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Cyclohexane	U		0.000329	0.00123	1	05/08/2021 00:57	WG1666286
1,2-Dibromo-3-Chloropropane	U		0.00233	0.00613	1	05/08/2021 00:57	WG1666286
1,2-Dibromoethane	U		0.000307	0.00123	1	05/08/2021 00:57	WG1666286
Dichlorodifluoromethane	U		0.000352	0.00613	1	05/08/2021 00:57	WG1666286
1,1-Dichloroethane	U		0.000329	0.00123	1	05/08/2021 00:57	WG1666286
1,2-Dichloroethane	U		0.000552	0.00123	1	05/08/2021 00:57	WG1666286
1,2-Dichlorobenzene	U		0.000521	0.00123	1	05/08/2021 00:57	WG1666286
1,3-Dichlorobenzene	U		0.000736	0.00123	1	05/08/2021 00:57	WG1666286
1,4-Dichlorobenzene	U		0.00102	0.00123	1	05/08/2021 00:57	WG1666286
1,1-Dichloroethene	U		0.000435	0.00123	1	05/08/2021 00:57	WG1666286
cis-1,2-Dichloroethene	U		0.000583	0.00123	1	05/08/2021 00:57	WG1666286
trans-1,2-Dichloroethene	U		0.000613	0.00123	1	05/08/2021 00:57	WG1666286
1,2-Dichloropropane	U		0.000201	0.00123	1	05/08/2021 00:57	WG1666286
cis-1,3-Dichloropropene	U		0.000521	0.00123	1	05/08/2021 00:57	WG1666286
trans-1,3-Dichloropropene	U		0.000828	0.00123	1	05/08/2021 00:57	WG1666286
Ethylbenzene	U		0.000368	0.00123	1	05/08/2021 00:57	WG1666286
2-Hexanone	U		0.00220	0.0123	1	05/08/2021 00:57	WG1666286
Isopropylbenzene	U		0.000521	0.00123	1	05/08/2021 00:57	WG1666286
2-Butanone (MEK)	U		0.00574	0.0123	1	05/08/2021 00:57	WG1666286
Methyl Acetate	U		0.00368	0.0245	1	05/08/2021 00:57	WG1666286
Methyl Cyclohexane	U		0.000950	0.00123	1	05/08/2021 00:57	WG1666286
Methylene Chloride	U		0.00123	0.00613	1	05/08/2021 00:57	WG1666286
4-Methyl-2-pentanone (MIBK)	U		0.00117	0.0123	1	05/08/2021 00:57	WG1666286
Methyl tert-butyl ether	U		0.000429	0.00123	1	05/08/2021 00:57	WG1666286
Styrene	U		0.000273	0.00123	1	05/08/2021 00:57	WG1666286
1,1,2,2-Tetrachloroethane	U	C3	0.000283	0.00123	1	05/08/2021 00:57	WG1666286
Tetrachloroethene	U		0.000399	0.00123	1	05/08/2021 00:57	WG1666286
Toluene	U		0.00151	0.00613	1	05/08/2021 00:57	WG1666286
1,2,3-Trichlorobenzene	U		0.000375	0.00123	1	05/08/2021 00:57	WG1666286
1,2,4-Trichlorobenzene	U		0.000476	0.00123	1	05/08/2021 00:57	WG1666286
1,1,1-Trichloroethane	U		0.000454	0.00123	1	05/08/2021 00:57	WG1666286
1,1,2-Trichloroethane	U		0.000521	0.00123	1	05/08/2021 00:57	WG1666286
Trichloroethene	U		0.000245	0.00123	1	05/08/2021 00:57	WG1666286
Trichlorofluoromethane	U		0.000437	0.00613	1	05/08/2021 00:57	WG1666286
1,1,2-Trichlorotrifluoroethane	U		0.000522	0.00123	1	05/08/2021 00:57	WG1666286
Vinyl chloride	U		0.000277	0.00123	1	05/08/2021 00:57	WG1666286
Xylenes, Total	U		0.000613	0.00368	1	05/08/2021 00:57	WG1666286
(S) Toluene-d8	*109*			*75.0-131*		*05/08/2021 00:57*	WG1666286
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*05/08/2021 00:57*	WG1666286
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*05/08/2021 00:57*	WG1666286

Volatile Organic Compounds (GC/MS) by Method 8260D - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.000		0.000	0.000	1	05/08/2021 00:57	WG1666286		

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Pesticides (GC) by Method 8081B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00461	0.0245	1	05/05/2021 23:19	WG1664100
Alpha BHC	U		0.00451	0.0245	1	05/05/2021 23:19	WG1664100
Beta BHC	U		0.00465	0.0245	1	05/05/2021 23:19	WG1664100
Delta BHC	U		0.00424	0.0245	1	05/05/2021 23:19	WG1664100
Gamma BHC	U		0.00422	0.0245	1	05/05/2021 23:19	WG1664100
Chlordane	U		0.126	0.368	1	05/05/2021 23:19	WG1664100
4,4-DDD	U		0.00454	0.0245	1	05/05/2021 23:19	WG1664100
4,4-DDE	U		0.00449	0.0245	1	05/05/2021 23:19	WG1664100
4,4-DDT	U		0.00769	0.0245	1	05/05/2021 23:19	WG1664100
Dieldrin	U		0.00422	0.0245	1	05/05/2021 23:19	WG1664100
Endosulfan I	U		0.00445	0.0245	1	05/05/2021 23:19	WG1664100
Endosulfan II	U		0.00411	0.0245	1	05/05/2021 23:19	WG1664100
Endosulfan sulfate	U		0.00446	0.0245	1	05/05/2021 23:19	WG1664100
Endrin	U		0.00429	0.0245	1	05/05/2021 23:19	WG1664100
Endrin aldehyde	U		0.00416	0.0245	1	05/05/2021 23:19	WG1664100
Endrin ketone	U		0.00872	0.0245	1	05/05/2021 23:19	WG1664100
Hexachlorobenzene	U		0.00424	0.0245	1	05/05/2021 23:19	WG1664100
Heptachlor	U		0.00525	0.0245	1	05/05/2021 23:19	WG1664100
Heptachlor epoxide	U		0.00416	0.0245	1	05/05/2021 23:19	WG1664100
Methoxychlor	U		0.00594	0.0245	1	05/05/2021 23:19	WG1664100
Toxaphene	U		0.152	0.491	1	05/05/2021 23:19	WG1664100
(S) Decachlorobiphenyl	*58.8*			*30.0-150*		*05/05/2021 23:19*	WG1664100
(S) Tetrachloro-m-xylene	*48.1*			*30.0-150*		*05/05/2021 23:19*	WG1664100

Polychlorinated Biphenyls (GC) by Method 8082 A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0145	0.0417	1	05/05/2021 20:44	WG1664100
PCB 1221	U		0.0145	0.0417	1	05/05/2021 20:44	WG1664100
PCB 1232	U		0.0145	0.0417	1	05/05/2021 20:44	WG1664100
PCB 1242	U		0.0145	0.0417	1	05/05/2021 20:44	WG1664100
PCB 1248	U		0.00905	0.0208	1	05/05/2021 20:44	WG1664100
PCB 1254	U		0.00905	0.0208	1	05/05/2021 20:44	WG1664100
PCB 1260	U		0.00905	0.0208	1	05/05/2021 20:44	WG1664100
Total PCBs	U		0.00905	0.0208	1	05/05/2021 20:44	WG1664100
(S) Decachlorobiphenyl	*78.5*			*30.0-150*		*05/05/2021 20:44*	WG1664100
(S) Tetrachloro-m-xylene	*75.7*			*30.0-150*		*05/05/2021 20:44*	WG1664100

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U	J4	0.00661	0.0408	1	05/08/2021 17:44	WG1666711
Acenaphthylene	U	J4	0.00575	0.0408	1	05/08/2021 17:44	WG1666711
Acetophenone	U	J4	0.0128	0.408	1	05/08/2021 17:44	WG1666711
Anthracene	U	J4	0.00727	0.0408	1	05/08/2021 17:44	WG1666711
Atrazine	U		0.0141	0.408	1	05/08/2021 17:44	WG1666711
Benzaldehyde	U		0.0217	0.408	1	05/08/2021 17:44	WG1666711
Benzo(a)anthracene	U	J4	0.00720	0.0408	1	05/08/2021 17:44	WG1666711
Benzo(b)fluoranthene	U	J4	0.00762	0.0408	1	05/08/2021 17:44	WG1666711
Benzo(k)fluoranthene	U	J4	0.00726	0.0408	1	05/08/2021 17:44	WG1666711
Benzo(g,h,i)perylene	U	J4	0.00747	0.0408	1	05/08/2021 17:44	WG1666711
Benzo(a)pyrene	U	J4	0.00759	0.0408	1	05/08/2021 17:44	WG1666711
Biphenyl	U	J4	0.0130	0.408	1	05/08/2021 17:44	WG1666711
Bis(2-chlorethoxy)methane	U	J4	0.0123	0.408	1	05/08/2021 17:44	WG1666711
Bis(2-chloroethyl)ether	U	J4	0.0135	0.408	1	05/08/2021 17:44	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,2-Oxybis(1-Chloropropane)	U	J4	0.0177	0.408	1	05/08/2021 17:44	WG1666711
4-Bromophenyl-phenylether	U	J4	0.0143	0.408	1	05/08/2021 17:44	WG1666711
Caprolactam	U		0.0202	0.408	1	05/08/2021 17:44	WG1666711
Carbazole	U	J4	0.0126	0.408	1	05/08/2021 17:44	WG1666711
4-Chloroaniline	U	J4	0.0147	0.408	1	05/08/2021 17:44	WG1666711
2-Chloronaphthalene	U	J4	0.00717	0.0408	1	05/08/2021 17:44	WG1666711
4-Chlorophenyl-phenylether	U	J4	0.0142	0.408	1	05/08/2021 17:44	WG1666711
Chrysene	U	J4	0.00812	0.0408	1	05/08/2021 17:44	WG1666711
Dibenz(a,h)anthracene	U	J4	0.0113	0.0408	1	05/08/2021 17:44	WG1666711
Dibenzofuran	U	J4	0.0134	0.408	1	05/08/2021 17:44	WG1666711
3,3-Dichlorobenzidine	U	J4	0.0151	0.408	1	05/08/2021 17:44	WG1666711
2,4-Dinitrotoluene	U		0.0117	0.408	1	05/08/2021 17:44	WG1666711
2,6-Dinitrotoluene	U	J4	0.0134	0.408	1	05/08/2021 17:44	WG1666711
Fluoranthene	U	J4	0.00737	0.0408	1	05/08/2021 17:44	WG1666711
Fluorene	U	J4	0.00665	0.0408	1	05/08/2021 17:44	WG1666711
Hexachlorobenzene	U	J4	0.0145	0.408	1	05/08/2021 17:44	WG1666711
Hexachloro-1,3-butadiene	U	J4	0.0137	0.408	1	05/08/2021 17:44	WG1666711
Hexachlorocyclopentadiene	U		0.0215	0.408	1	05/08/2021 17:44	WG1666711
Hexachloroethane	U		0.0161	0.408	1	05/08/2021 17:44	WG1666711
Indeno(1,2,3-cd)pyrene	U	J4	0.0115	0.0408	1	05/08/2021 17:44	WG1666711
Isophorone	U	J4	0.0125	0.408	1	05/08/2021 17:44	WG1666711
2-Methylnaphthalene	U	J4	0.00530	0.0408	1	05/08/2021 17:44	WG1666711
Naphthalene	U	J4	0.0103	0.0408	1	05/08/2021 17:44	WG1666711
2-Nitroaniline	U	J4	0.0131	0.408	1	05/08/2021 17:44	WG1666711
3-Nitroaniline	U	J4	0.0130	0.408	1	05/08/2021 17:44	WG1666711
4-Nitroaniline	U		0.0119	0.408	1	05/08/2021 17:44	WG1666711
Nitrobenzene	U	J4	0.0142	0.408	1	05/08/2021 17:44	WG1666711
n-Nitrosodiphenylamine	U		0.0309	0.408	1	05/08/2021 17:44	WG1666711
n-Nitrosodi-n-propylamine	U	J4	0.0136	0.408	1	05/08/2021 17:44	WG1666711
Phenanthrene	U	J4	0.00811	0.0408	1	05/08/2021 17:44	WG1666711
Benzylbutyl phthalate	U	J4	0.0128	0.408	1	05/08/2021 17:44	WG1666711
Bis(2-ethylhexyl)phthalate	U	J4	0.0518	0.408	1	05/08/2021 17:44	WG1666711
Di-n-butyl phthalate	U	J4	0.0140	0.408	1	05/08/2021 17:44	WG1666711
Diethyl phthalate	U	J4	0.0135	0.408	1	05/08/2021 17:44	WG1666711
Dimethyl phthalate	U	J4	0.0866	0.408	1	05/08/2021 17:44	WG1666711
Di-n-octyl phthalate	U	J4	0.0276	0.408	1	05/08/2021 17:44	WG1666711
Pyrene	U	J4	0.00795	0.0408	1	05/08/2021 17:44	WG1666711
1,2,4,5-Tetrachlorobenzene	U		0.0195	0.408	1	05/08/2021 17:44	WG1666711
4-Chloro-3-methylphenol	U	J4	0.0132	0.408	1	05/08/2021 17:44	WG1666711
2-Chlorophenol	U	J4	0.0135	0.408	1	05/08/2021 17:44	WG1666711
2-Methylphenol	U	J4	0.0123	0.408	1	05/08/2021 17:44	WG1666711
3&4-Methyl Phenol	U		0.0128	0.408	1	05/08/2021 17:44	WG1666711
2,4-Dichlorophenol	U	J4	0.0119	0.408	1	05/08/2021 17:44	WG1666711
2,4-Dimethylphenol	U	J4	0.0107	0.408	1	05/08/2021 17:44	WG1666711
4,6-Dinitro-2-methylphenol	U	J4	0.0926	0.408	1	05/08/2021 17:44	WG1666711
2,4-Dinitrophenol	U		0.0955	0.408	1	05/08/2021 17:44	WG1666711
2-Nitrophenol	U	J4	0.0146	0.408	1	05/08/2021 17:44	WG1666711
4-Nitrophenol	U		0.0128	0.408	1	05/08/2021 17:44	WG1666711
Pentachlorophenol	U		0.0110	0.408	1	05/08/2021 17:44	WG1666711
Phenol	U		0.0164	0.408	1	05/08/2021 17:44	WG1666711
2,4,5-Trichlorophenol	U	J4	0.0139	0.408	1	05/08/2021 17:44	WG1666711
2,4,6-Trichlorophenol	U	J4	0.0131	0.408	1	05/08/2021 17:44	WG1666711
(S) 2-Fluorophenol	*63.6*			*30.0-130*		*05/08/2021 17:44*	WG1666711
(S) Phenol-d5	*58.9*			*30.0-130*		*05/08/2021 17:44*	WG1666711
(S) Nitrobenzene-d5	*52.2*			*30.0-130*		*05/08/2021 17:44*	WG1666711
(S) 2-Fluorobiphenyl	*68.0*			*30.0-130*		*05/08/2021 17:44*	WG1666711

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2,4,6-Tribromophenol	*80.1*			*30.0-130*		*05/08/2021 17:44*	WG1666711
(S) p-Terphenyl-d14	*66.1*			*30.0-130*		*05/08/2021 17:44*	WG1666711

Semi Volatile Organic Compounds (GC/MS) by Method 8270C/8270E - TENTATIVELY IDENTIFIED COMPOUNDS

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	CAS #	RT
Total Tic	0.265	J N	0.000	0.000	1	05/08/2021 17:44	WG1666711		
Unknown-01	0.224	J N	0.000	0.000	1	05/08/2021 17:44	WG1666711	000123-42-2	2.21
Unknown-02	0.0405	J N	0.000	0.000	1	05/08/2021 17:44	WG1666711	001599-67-3	8.34

Tentatively Identified compounds (TIC) refers to substances not present in the list of target compounds. Therefore, not all TICs are identified and quantitated using individual standards. TIC listings are prepared utilizing a computerized library search routine of electron impact mass spectral data and evaluation of the relevant data by a mass spectral data specialist. Quantitation is accomplished by relative peak area of the TIC compared to that of the nearest internal standard from the total ion chromatogram. TICs are identified and quantitated only if the peak area is 10% or more of that of the nearest internal standard.

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.8		1	05/08/2021 09:27	WG1666770

Wet Chemistry by Method 9012B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cyanide	U		0.0757	0.258	1	05/11/2021 19:24	WG1668185

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	U		0.0186	0.0413	1	05/06/2021 16:45	WG1662823

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Aluminum	571		6.28	10.3	1	05/07/2021 08:41	WG1662844
Antimony	U		0.562	2.07	1	05/07/2021 08:41	WG1662844
Arsenic	U		0.535	2.07	1	05/07/2021 08:41	WG1662844
Barium	2.69		0.0880	0.517	1	05/07/2021 08:41	WG1662844
Beryllium	0.0501	J	0.0325	0.207	1	05/07/2021 08:41	WG1662844
Cadmium	U		0.0487	0.517	1	05/07/2021 08:41	WG1662844
Calcium	11.1	J	11.0	103	1	05/07/2021 08:41	WG1662844
Chromium	1.24		0.137	1.03	1	05/07/2021 08:41	WG1662844
Cobalt	0.252	J	0.0838	1.03	1	05/07/2021 08:41	WG1662844
Copper	0.553	J	0.413	2.07	1	05/07/2021 08:41	WG1662844
Iron	680		2.31	10.3	1	05/07/2021 08:41	WG1662844
Lead	0.731		0.215	0.517	1	05/07/2021 08:41	WG1662844
Magnesium	60.4	J	7.62	103	1	05/07/2021 08:41	WG1662844
Manganese	3.04		0.137	1.03	1	05/07/2021 08:41	WG1662844
Nickel	0.359	J	0.136	2.07	1	05/07/2021 08:41	WG1662844
Potassium	168		21.6	103	1	05/07/2021 08:41	WG1662844
Selenium	U		0.789	2.07	1	05/07/2021 08:41	WG1662844
Silver	U		0.131	1.03	1	05/07/2021 08:41	WG1662844
Sodium	U		42.6	103	1	05/07/2021 08:41	WG1662844
Thallium	U		0.407	2.07	1	05/07/2021 08:41	WG1662844
Vanadium	1.87	J	0.523	2.07	1	05/07/2021 08:41	WG1662844
Zinc	1.12	J	0.859	5.17	1	05/07/2021 08:41	WG1662844

Volatile Organic Compounds (GC/MS) by Method 8260D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.0214	0.0517	1	05/11/2021 16:05	WG1668173
Benzene	U		0.000387	0.00103	1	05/11/2021 16:05	WG1668173
Bromochloromethane	U		0.000346	0.00103	1	05/11/2021 16:05	WG1668173
Bromodichloromethane	U		0.000749	0.00103	1	05/11/2021 16:05	WG1668173
Bromoform	U		0.000438	0.00103	1	05/11/2021 16:05	WG1668173
Bromomethane	U		0.00121	0.00517	1	05/11/2021 16:05	WG1668173
Carbon disulfide	U		0.000723	0.00103	1	05/11/2021 16:05	WG1668173
Carbon tetrachloride	U		0.000256	0.00103	1	05/11/2021 16:05	WG1668173
Chlorobenzene	U		0.000198	0.00103	1	05/11/2021 16:05	WG1668173
Chlorodibromomethane	U		0.000231	0.00103	1	05/11/2021 16:05	WG1668173
Chloroethane	U		0.00103	0.00517	1	05/11/2021 16:05	WG1668173
Chloroform	U		0.00106	0.00517	1	05/11/2021 16:05	WG1668173
Chloromethane	U		0.000671	0.00258	1	05/11/2021 16:05	WG1668173