ANALYTICAL REPORT

September 17, 2024

Tetra Tech EMI - Houston, TX

Samp e e er roup: L1776654

Samp es ece ed: 09/11/2024

Project umber:

escr pt on: Horton - C e er Cross ng Phase II

eport To: ana E dam/Manue a Pastrano
1500 C t est ou e ard
Su te 1000
Houston, TX 77042

Ent re eport e e ed :

Chad A Upchurch
Project Manager

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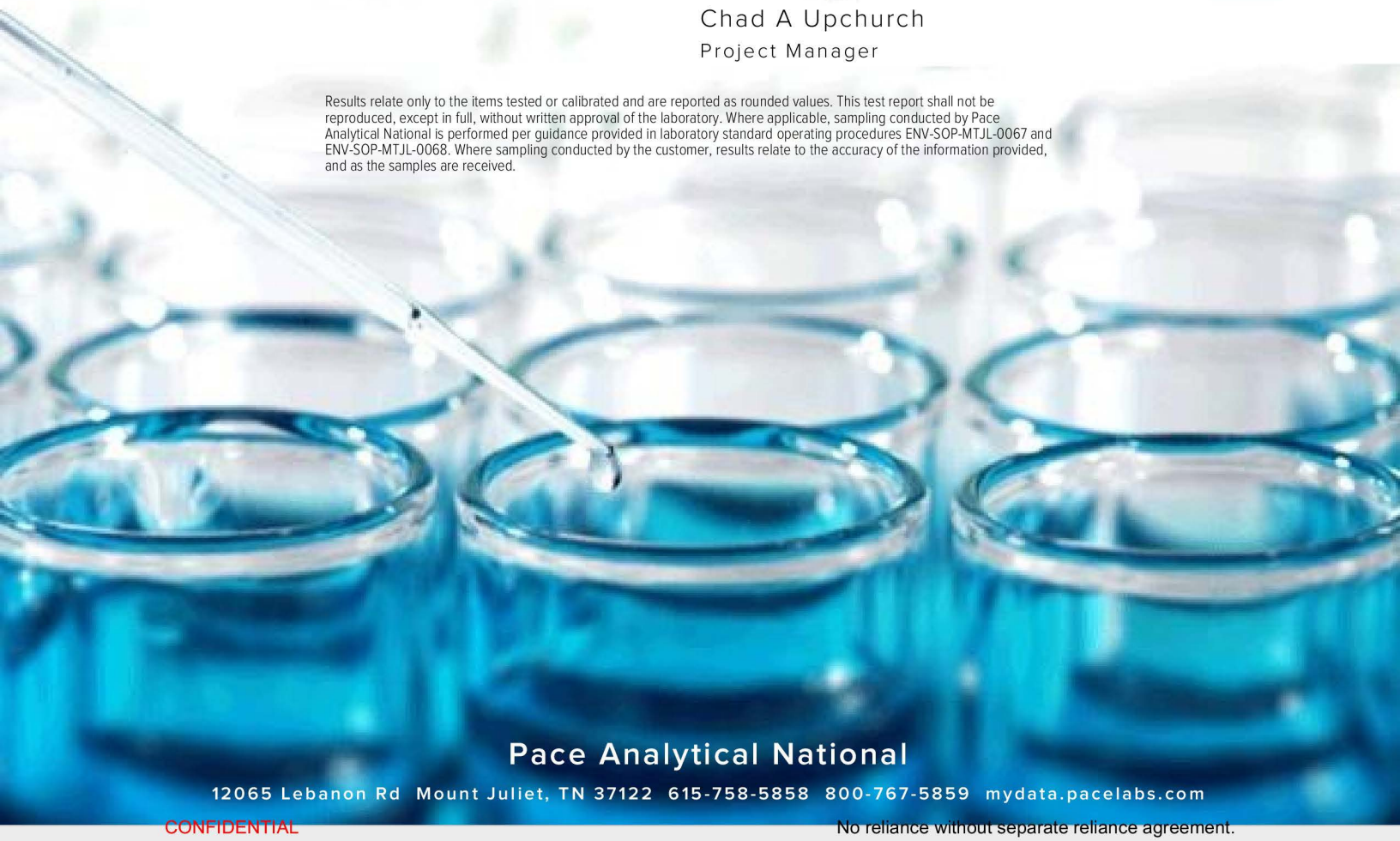


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A EA9 - C MP L1776654-01 So d

Collected by: Maxx Modarezyk
Collected date/time: 09/10/24 11:40
Received date/time: 09/11/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2361630	1	09/12/24 17:56	09/12/24 18:01	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2361636	1	09/13/24 09:22	09/13/24 14:46	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2361859	1	09/13/24 09:01	09/13/24 12:44	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2361477	27.5	09/10/24 11:40	09/12/24 20:55	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2361553	1.1	09/10/24 11:40	09/12/24 21:48	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2361733	2	09/13/24 13:05	09/14/24 10:00	KKS	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2360814	1	09/13/24 04:03	09/13/24 22:08	LJD	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2360814	1	09/13/24 04:03	09/16/24 18:54	NWH	Mt. Juliet, TN
OP Pesticides by Method 8141	WG2361089	1	09/13/24 14:27	09/14/24 18:29	HMH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2361741	1	09/13/24 07:28	09/13/24 14:51	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2361742	1	09/13/24 13:08	09/14/24 00:17	DSH	Mt. Juliet, TN

CASE A ATI E

A samp e a uots ere rece ed at the correct temperature, n the proper conta ners, th the appropr ate preser at es, and th n method spec f ed ho d ng t mes, un ess ua f ed or notated th n the report here app cab e, a M L L and L L a ues reported for en ronmenta samp es ha e been corrected for the d ut on factor used n the ana s s A Method and atch ua t Contro are th n estab shed cr ter a e cept here addressed n th s case narrat e, a non-conformance form or proper ua f ed th n the samp e resu ts m d g ta s gnature be o , l aff rm to the best of m no edge, a prob ems/anoma es obser ed b the aborator as ha ng the potent a to affect the ua t of the data ha e been dent f ed b the aborator , and no nformat on or data ha e been no ng thhe d that ou d affect the ua t of the data

Chad A Upchurch
Project Manager

Tota So ds b Method 2540 -2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.2		1	09/12/2024 18:01	WG2361630

Mercur b Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0329	_	0.0183	0.0407	1	09/13/2024 14:46	WG2361636

Meta s ICP b Method 6010

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.71	6	0.527	2.04	1	09/13/2024 12:44	WG2361859
Barium	132	6	0.0868	0.509	1	09/13/2024 12:44	WG2361859
Cadmium	0.307	_	0.0480	0.509	1	09/13/2024 12:44	WG2361859
Chromium	20.3	6	0.135	1.02	1	09/13/2024 12:44	WG2361859
Lead	10.9		0.212	0.509	1	09/13/2024 12:44	WG2361859
Selenium	2.03	6	0.778	2.04	1	09/13/2024 12:44	WG2361859
Silver	0.620	_	0.129	1.02	1	09/13/2024 12:44	WG2361859

o at e rgan c Compounds C b Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.28	_	0.945	2.85	27.5	09/12/2024 20:55	WG2361477
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-120*		*09/12/2024 20:55*	WG2361477

o at e rgan c Compounds C/MS b Method 8260

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	4	0.0415	0.0569	1.1	09/12/2024 21:48	WG2361553
Acrylonitrile	U		0.00411	0.0143	1.1	09/12/2024 21:48	WG2361553
Benzene	U		0.000532	0.00114	1.1	09/12/2024 21:48	WG2361553
Bromobenzene	U		0.00102	0.0143	1.1	09/12/2024 21:48	WG2361553
Bromodichloromethane	U		0.000825	0.00285	1.1	09/12/2024 21:48	WG2361553
Bromoform	U		0.00134	0.0285	1.1	09/12/2024 21:48	WG2361553
Bromomethane	U		0.00225	0.0143	1.1	09/12/2024 21:48	WG2361553
n-Butylbenzene	U		0.00598	0.0143	1.1	09/12/2024 21:48	WG2361553
sec-Butylbenzene	U		0.00328	0.0143	1.1	09/12/2024 21:48	WG2361553
tert-Butylbenzene	U		0.00223	0.00569	1.1	09/12/2024 21:48	WG2361553
Carbon tetrachloride	U		0.00102	0.00569	1.1	09/12/2024 21:48	WG2361553
Chlorobenzene	U		0.000239	0.00285	1.1	09/12/2024 21:48	WG2361553
Chlorodibromomethane	U		0.000697	0.00285	1.1	09/12/2024 21:48	WG2361553
Chloroethane	U		0.00194	0.00569	1.1	09/12/2024 21:48	WG2361553
Chloroform	U		0.00117	0.00285	1.1	09/12/2024 21:48	WG2361553
Chloromethane	U		0.00496	0.0143	1.1	09/12/2024 21:48	WG2361553
2-Chlorotoluene	U		0.000985	0.00285	1.1	09/12/2024 21:48	WG2361553
4-Chlorotoluene	U		0.000512	0.00569	1.1	09/12/2024 21:48	WG2361553
1,2-Dibromo-3-Chloropropane	U		0.00444	0.0285	1.1	09/12/2024 21:48	WG2361553
1,2-Dibromoethane	U		0.000738	0.00285	1.1	09/12/2024 21:48	WG2361553
Dibromomethane	U		0.000854	0.00569	1.1	09/12/2024 21:48	WG2361553
1,2-Dichlorobenzene	U		0.000484	0.00569	1.1	09/12/2024 21:48	WG2361553
1,3-Dichlorobenzene	U		0.000683	0.00569	1.1	09/12/2024 21:48	WG2361553
1,4-Dichlorobenzene	U		0.000797	0.00569	1.1	09/12/2024 21:48	WG2361553
Dichlorodifluoromethane	U		0.00183	0.00569	1.1	09/12/2024 21:48	WG2361553
1,1-Dichloroethane	U		0.000559	0.00285	1.1	09/12/2024 21:48	WG2361553

o at e rgan c Compounds C/MS b Method 8260

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.000739	0.00285	1.1	09/12/2024 21:48	WG2361553
1,1-Dichloroethene	U		0.000690	0.00285	1.1	09/12/2024 21:48	WG2361553
cis-1,2-Dichloroethene	U		0.000835	0.00285	1.1	09/12/2024 21:48	WG2361553
trans-1,2-Dichloroethene	U		0.00118	0.00569	1.1	09/12/2024 21:48	WG2361553
1,2-Dichloropropane	U		0.00161	0.00569	1.1	09/12/2024 21:48	WG2361553
1,1-Dichloropropene	U		0.000921	0.00285	1.1	09/12/2024 21:48	WG2361553
1,3-Dichloropropane	U		0.000570	0.00569	1.1	09/12/2024 21:48	WG2361553
cis-1,3-Dichloropropene	U		0.000862	0.00285	1.1	09/12/2024 21:48	WG2361553
trans-1,3-Dichloropropene	U		0.00129	0.00569	1.1	09/12/2024 21:48	WG2361553
2,2-Dichloropropane	U		0.00157	0.00285	1.1	09/12/2024 21:48	WG2361553
Di-isopropyl ether	U		0.000467	0.00114	1.1	09/12/2024 21:48	WG2361553
Ethylbenzene	U		0.000839	0.00285	1.1	09/12/2024 21:48	WG2361553
Hexachloro-1,3-butadiene	U		0.00683	0.0285	1.1	09/12/2024 21:48	WG2361553
Isopropylbenzene	U		0.000484	0.00285	1.1	09/12/2024 21:48	WG2361553
p-Isopropyltoluene	U		0.00291	0.00569	1.1	09/12/2024 21:48	WG2361553
2-Butanone (MEK)	U		0.0723	0.114	1.1	09/12/2024 21:48	WG2361553
Methylene Chloride	U		0.00756	0.0285	1.1	09/12/2024 21:48	WG2361553
4-Methyl-2-pentanone (MIBK)	U		0.00260	0.0285	1.1	09/12/2024 21:48	WG2361553
Methyl tert-butyl ether	U		0.000398	0.00114	1.1	09/12/2024 21:48	WG2361553
Naphthalene	U		0.00556	0.0143	1.1	09/12/2024 21:48	WG2361553
n-Propylbenzene	U		0.00109	0.00569	1.1	09/12/2024 21:48	WG2361553
Styrene	U		0.000261	0.0143	1.1	09/12/2024 21:48	WG2361553
1,1,1,2-Tetrachloroethane	U		0.00108	0.00285	1.1	09/12/2024 21:48	WG2361553
1,1,2,2-Tetrachloroethane	U		0.000792	0.00285	1.1	09/12/2024 21:48	WG2361553
1,1,2-Trichlorotrifluoroethane	U		0.000858	0.00285	1.1	09/12/2024 21:48	WG2361553
Tetrachloroethene	U		0.00102	0.00285	1.1	09/12/2024 21:48	WG2361553
Toluene	U		0.00148	0.00569	1.1	09/12/2024 21:48	WG2361553
1,2,3-Trichlorobenzene	U		0.00834	0.0143	1.1	09/12/2024 21:48	WG2361553
1,2,4-Trichlorobenzene	U		0.00501	0.0143	1.1	09/12/2024 21:48	WG2361553
1,1,1-Trichloroethane	U		0.00106	0.00285	1.1	09/12/2024 21:48	WG2361553
1,1,2-Trichloroethane	U		0.000680	0.00285	1.1	09/12/2024 21:48	WG2361553
Trichloroethene	U		0.000664	0.00114	1.1	09/12/2024 21:48	WG2361553
Trichlorofluoromethane	U		0.000942	0.00285	1.1	09/12/2024 21:48	WG2361553
1,2,3-Trichloropropane	U		0.00184	0.0143	1.1	09/12/2024 21:48	WG2361553
1,2,4-Trimethylbenzene	U		0.00180	0.00569	1.1	09/12/2024 21:48	WG2361553
1,2,3-Trimethylbenzene	U		0.00180	0.00569	1.1	09/12/2024 21:48	WG2361553
1,3,5-Trimethylbenzene	U		0.00228	0.00569	1.1	09/12/2024 21:48	WG2361553
Vinyl chloride	U		0.00132	0.00285	1.1	09/12/2024 21:48	WG2361553
Xylenes, Total	U		0.00100	0.00740	1.1	09/12/2024 21:48	WG2361553
(S) Toluene-d8	*125*			*75.0-131*		*09/12/2024 21:48*	WG2361553
(S) 4-Bromofluorobenzene	*93.0*			*67.0-138*		*09/12/2024 21:48*	WG2361553
(S) 1,2-Dichloroethane-d4	*91.1*			*70.0-130*		*09/12/2024 21:48*	WG2361553

Sem - o at e rgan c Compounds C b Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	8.06	_	1.50	8.15	2	09/14/2024 10:00	WG2361733
(S) o-Terphenyl	*61.2*			*18.0-148*		*09/14/2024 10:00*	WG2361733

Ch or nated Ac d Herb c des C b Method 8151

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U	4	0.00715	0.0713	1	09/13/2024 22:08	WG2360814
Dalapon	U		0.0115	0.0713	1	09/16/2024 18:54	WG2360814
2,4-DB	U		0.0302	0.0713	1	09/13/2024 22:08	WG2360814
Dicamba	U		0.0160	0.0713	1	09/13/2024 22:08	WG2360814
Dichloroprop	U		0.0249	0.0713	1	09/13/2024 22:08	WG2360814
Dinoseb	U		0.00710	0.0713	1	09/13/2024 22:08	WG2360814
MCPA	U		0.451	6.62	1	09/13/2024 22:08	WG2360814
MCPP	U		0.374	6.62	1	09/13/2024 22:08	WG2360814
2,4,5-T	U		0.00868	0.0713	1	09/13/2024 22:08	WG2360814
2,4,5-TP (Silvex)	U		0.0109	0.0713	1	09/13/2024 22:08	WG2360814
(S) 2,4-Dichlorophenyl Acetic Acid	*89.7*			*22.0-132*		*09/13/2024 22:08*	WG2360814
(S) 2,4-Dichlorophenyl Acetic Acid	*93.9*			*22.0-132*		*09/16/2024 18:54*	WG2360814

P Pest c des b Method 8141

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Azinphos-Methyl	U		0.0324	0.102	1	09/14/2024 18:29	WG2361089
Bolstar (Sulprofos)	U		0.0152	0.102	1	09/14/2024 18:29	WG2361089
Chlorpyrifos	U		0.0160	0.102	1	09/14/2024 18:29	WG2361089
Coumaphos	U		0.0247	0.102	1	09/14/2024 18:29	WG2361089
Demeton,-O and -S	U		0.00595	0.0713	1	09/14/2024 18:29	WG2361089
Diazinon	U		0.0229	0.102	1	09/14/2024 18:29	WG2361089
Dichlorvos	U		0.0305	0.102	1	09/14/2024 18:29	WG2361089
Dimethoate	U		0.0340	0.102	1	09/14/2024 18:29	WG2361089
Disulfoton	U		0.0259	0.102	1	09/14/2024 18:29	WG2361089
EPN	U		0.0281	0.102	1	09/14/2024 18:29	WG2361089
Ethoprop	U		0.0120	0.102	1	09/14/2024 18:29	WG2361089
Ethyl Parathion	U		0.0167	0.102	1	09/14/2024 18:29	WG2361089
Fensulfothion	U		0.0359	0.102	1	09/14/2024 18:29	WG2361089
Fenthion	U		0.0135	0.102	1	09/14/2024 18:29	WG2361089
Malathion	U		0.0182	0.102	1	09/14/2024 18:29	WG2361089
Merphos	U		0.0236	0.102	1	09/14/2024 18:29	WG2361089
Methyl parathion	U		0.0207	0.102	1	09/14/2024 18:29	WG2361089
Mevinphos	U		0.0234	0.102	1	09/14/2024 18:29	WG2361089
Naled	U		0.0489	0.102	1	09/14/2024 18:29	WG2361089
Phorate	U		0.0214	0.102	1	09/14/2024 18:29	WG2361089
Ronnel	U		0.0152	0.102	1	09/14/2024 18:29	WG2361089
Stirophos	U		0.0181	0.102	1	09/14/2024 18:29	WG2361089
Sulfotep	U		0.0100	0.102	1	09/14/2024 18:29	WG2361089
TEPP	U		0.160	1.02	1	09/14/2024 18:29	WG2361089
Tokuthion (Prothothiofos)	U		0.0153	0.102	1	09/14/2024 18:29	WG2361089
Trichloronate	U		0.0205	0.102	1	09/14/2024 18:29	WG2361089
(S) Triphenyl Phosphate	*85.8*			*36.0-121*		*09/14/2024 18:29*	WG2361089

Pest c des C b Method 8081

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00383	0.0204	1	09/13/2024 14:51	WG2361741
Alpha BHC	U		0.00375	0.0204	1	09/13/2024 14:51	WG2361741
Beta BHC	U		0.00386	0.0204	1	09/13/2024 14:51	WG2361741
Delta BHC	U		0.00352	0.0204	1	09/13/2024 14:51	WG2361741
Gamma BHC	U		0.00350	0.0204	1	09/13/2024 14:51	WG2361741
4,4-DDD	U		0.00377	0.0204	1	09/13/2024 14:51	WG2361741
4,4-DDE	U		0.00373	0.0204	1	09/13/2024 14:51	WG2361741

Pest c des C b Method 8081

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4,4-DDT	U		0.00638	0.0204	1	09/13/2024 14:51	WG2361741
Dieldrin	U		0.00350	0.0204	1	09/13/2024 14:51	WG2361741
Endosulfan I	U		0.00370	0.0204	1	09/13/2024 14:51	WG2361741
Endosulfan II	U		0.00341	0.0204	1	09/13/2024 14:51	WG2361741
Endosulfan sulfate	U		0.00371	0.0204	1	09/13/2024 14:51	WG2361741
Endrin	U		0.00356	0.0204	1	09/13/2024 14:51	WG2361741
Endrin aldehyde	U		0.00345	0.0204	1	09/13/2024 14:51	WG2361741
Endrin ketone	U		0.00724	0.0204	1	09/13/2024 14:51	WG2361741
Heptachlor	U		0.00436	0.0204	1	09/13/2024 14:51	WG2361741
Heptachlor epoxide	U		0.00345	0.0204	1	09/13/2024 14:51	WG2361741
Hexachlorobenzene	U		0.00352	0.0204	1	09/13/2024 14:51	WG2361741
Methoxychlor	U		0.00493	0.0204	1	09/13/2024 14:51	WG2361741
Chlordane	U		0.105	0.305	1	09/13/2024 14:51	WG2361741
Toxaphene	U		0.126	0.407	1	09/13/2024 14:51	WG2361741
(S) Decachlorobiphenyl	*88.3*			*10.0-135*		*09/13/2024 14:51*	WG2361741
(S) Tetrachloro-m-xylene	*88.6*			*10.0-139*		*09/13/2024 14:51*	WG2361741

Sem o at e rgan c Compounds C/MS b Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00549	0.0339	1	09/14/2024 00:17	WG2361742
Acenaphthylene	U		0.00478	0.0339	1	09/14/2024 00:17	WG2361742
Anthracene	U		0.00604	0.0339	1	09/14/2024 00:17	WG2361742
Benzidine	U		0.0637	1.70	1	09/14/2024 00:17	WG2361742
Benzo(a)anthracene	U		0.00598	0.0339	1	09/14/2024 00:17	WG2361742
Benzo(b)fluoranthene	U		0.00632	0.0339	1	09/14/2024 00:17	WG2361742
Benzo(k)fluoranthene	U		0.00603	0.0339	1	09/14/2024 00:17	WG2361742
Benzo(g,h,i)perylene	U		0.00620	0.0339	1	09/14/2024 00:17	WG2361742
Benzo(a)pyrene	U		0.00630	0.0339	1	09/14/2024 00:17	WG2361742
Bis(2-chlorethoxy)methane	U		0.0102	0.339	1	09/14/2024 00:17	WG2361742
Bis(2-chloroethyl)ether	U		0.0112	0.339	1	09/14/2024 00:17	WG2361742
2,2-Oxybis(1-Chloropropane)	U		0.0147	0.339	1	09/14/2024 00:17	WG2361742
4-Bromophenyl-phenylether	U		0.0119	0.339	1	09/14/2024 00:17	WG2361742
2-Chloronaphthalene	U		0.00596	0.0339	1	09/14/2024 00:17	WG2361742
4-Chlorophenyl-phenylether	U		0.0118	0.339	1	09/14/2024 00:17	WG2361742
Chrysene	U		0.00674	0.0339	1	09/14/2024 00:17	WG2361742
Dibenz(a,h)anthracene	U		0.00940	0.0339	1	09/14/2024 00:17	WG2361742
3,3-Dichlorobenzidine	U		0.0125	0.339	1	09/14/2024 00:17	WG2361742
2,4-Dinitrotoluene	U		0.00972	0.339	1	09/14/2024 00:17	WG2361742
2,6-Dinitrotoluene	U		0.0111	0.339	1	09/14/2024 00:17	WG2361742
Fluoranthene	U		0.00612	0.0339	1	09/14/2024 00:17	WG2361742
Fluorene	U		0.00552	0.0339	1	09/14/2024 00:17	WG2361742
Hexachlorobenzene	U		0.0120	0.339	1	09/14/2024 00:17	WG2361742
Hexachloro-1,3-butadiene	U		0.0114	0.339	1	09/14/2024 00:17	WG2361742
Hexachlorocyclopentadiene	U		0.0178	0.339	1	09/14/2024 00:17	WG2361742
Hexachloroethane	U		0.0133	0.339	1	09/14/2024 00:17	WG2361742
Indeno(1,2,3-cd)pyrene	U		0.00958	0.0339	1	09/14/2024 00:17	WG2361742
Isophorone	U		0.0104	0.339	1	09/14/2024 00:17	WG2361742
Naphthalene	U		0.00851	0.0339	1	09/14/2024 00:17	WG2361742
Nitrobenzene	U		0.0118	0.339	1	09/14/2024 00:17	WG2361742
n-Nitrosodimethylamine	U		0.0503	0.339	1	09/14/2024 00:17	WG2361742
n-Nitrosodiphenylamine	U		0.0257	0.339	1	09/14/2024 00:17	WG2361742
n-Nitrosodi-n-propylamine	U		0.0113	0.339	1	09/14/2024 00:17	WG2361742
Phenanthrene	U		0.00673	0.0339	1	09/14/2024 00:17	WG2361742
Benzylbutyl phthalate	U		0.0106	0.339	1	09/14/2024 00:17	WG2361742
Bis(2-ethylhexyl)phthalate	U		0.0430	0.339	1	09/14/2024 00:17	WG2361742

Sem o at e rgan c Compounds C/MS b Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Di-n-butyl phthalate	U		0.0116	0.339	1	09/14/2024 00:17	WG2361742
Diethyl phthalate	U		0.0112	0.339	1	09/14/2024 00:17	WG2361742
Dimethyl phthalate	U		0.0719	0.339	1	09/14/2024 00:17	WG2361742
Di-n-octyl phthalate	U		0.0229	0.339	1	09/14/2024 00:17	WG2361742
Pyrene	U		0.00660	0.0339	1	09/14/2024 00:17	WG2361742
1,2,4-Trichlorobenzene	U		0.0106	0.339	1	09/14/2024 00:17	WG2361742
4-Chloro-3-methylphenol	U		0.0110	0.339	1	09/14/2024 00:17	WG2361742
2-Chlorophenol	U		0.0112	0.339	1	09/14/2024 00:17	WG2361742
2,4-Dichlorophenol	U		0.00988	0.339	1	09/14/2024 00:17	WG2361742
2,4-Dimethylphenol	U		0.00886	0.339	1	09/14/2024 00:17	WG2361742
4,6-Dinitro-2-methylphenol	U		0.0769	0.339	1	09/14/2024 00:17	WG2361742
2,4-Dinitrophenol	U		0.0793	0.339	1	09/14/2024 00:17	WG2361742
2-Nitrophenol	U		0.0121	0.339	1	09/14/2024 00:17	WG2361742
4-Nitrophenol	U		0.0106	0.339	1	09/14/2024 00:17	WG2361742
Pentachlorophenol	U		0.00912	0.339	1	09/14/2024 00:17	WG2361742
Phenol	U		0.0136	0.339	1	09/14/2024 00:17	WG2361742
2,4,6-Trichlorophenol	U		0.0109	0.339	1	09/14/2024 00:17	WG2361742
(S) 2-Fluorophenol	*63.8*			*12.0-120*		*09/14/2024 00:17*	WG2361742
(S) Phenol-d5	*58.5*			*10.0-120*		*09/14/2024 00:17*	WG2361742
(S) Nitrobenzene-d5	*55.9*			*10.0-122*		*09/14/2024 00:17*	WG2361742
(S) 2-Fluorobiphenyl	*61.4*			*15.0-120*		*09/14/2024 00:17*	WG2361742
(S) 2,4,6-Tribromophenol	*76.1*			*10.0-127*		*09/14/2024 00:17*	WG2361742
(S) p-Terphenyl-d14	*72.9*			*10.0-120*		*09/14/2024 00:17*	WG2361742

Method an M

M 4119364-1 09/12/24 18:01

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

L1776654-01 r g na Samp e S up cate UP

S L1776654-01 09/12/24 18:01 UP 4119364-3 09/12/24 18:01

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	98.2	98.2	1	0.0263		10

Laborator Contro Samp e LCS

LCS 4119364-2 09/12/24 18:01

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method an M

M 4119540-1 09/13/24 13:35

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

Laborator Contro Samp e LCS

LCS 4119540-2 09/13/24 13:38

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.568	114	80.0-120	

L1776638-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1776638-01 09/13/24 13:40 MS 4119540-4 09/13/24 13:53 MS 4119540-5 09/13/24 13:56

	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
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.514	0.0386	0.673	0.609	123	111	1	75.0-125			10.1	20

Method an M

M 4119571-1 09/13/24 12:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Lead	U		0.208	0.500
Selenium	U		0.764	2.00
Silver	0.499	_	0.127	1.00

Laborator Contro Samp e LCS

LCS 4119571-2 09/13/24 12:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	88.7	88.7	80.0-120	
Barium	100	91.2	91.2	80.0-120	
Cadmium	100	89.7	89.7	80.0-120	
Chromium	100	89.0	89.0	80.0-120	
Lead	100	89.3	89.3	80.0-120	
Selenium	100	89.9	89.9	80.0-120	
Silver	20.0	18.3	91.6	80.0-120	

L1776654-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1776654-01 09/13/24 12:44 MS 4119571-5 09/13/24 12:49 MS 4119571-6 09/13/24 12:50

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 %
Arsenic	102	4.71	80.0	92.9	73.9	86.6	1	75.0-125	6		15.0	20
Barium	102	132	201	234	67.6	99.9	1	75.0-125	6		15.1	20
Cadmium	102	0.307	77.9	89.8	76.2	87.9	1	75.0-125			14.2	20
Chromium	102	20.3	95.2	110	73.6	88.5	1	75.0-125	6		14.7	20
Lead	102	10.9	89.2	104	76.9	91.1	1	75.0-125			15.0	20
Selenium	102	2.03	76.5	88.4	73.1	84.8	1	75.0-125	6		14.5	20
Silver	20.4	0.620	16.2	18.7	76.6	88.9	1	75.0-125			14.3	20

Method an M

M 4119968-3 09/12/24 16:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.69	_	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-120*

Laborator Contro Samp e LCS

LCS 4119968-2 09/12/24 15:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.23	84.6	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*77.0-120*	

Method an M

M 4119579-2 09/12/24 19:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method an M

M 4119579-2 09/12/24 19:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*100*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*

Laborator Contro Samp e LCS

LCS 4119579-1 09/12/24 17:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	1.29	206	10.0-160	4
Acrylonitrile	0.625	0.857	137	45.0-153	
Benzene	0.125	0.0992	79.4	70.0-123	
Bromobenzene	0.125	0.110	88.0	73.0-121	
Bromodichloromethane	0.125	0.104	83.2	73.0-121	

Laborator Contro Samp e LCS

LCS 4119579-1 09/12/24 17:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	0.125	0.116	92.8	64.0-132	
Bromomethane	0.125	0.151	121	56.0-147	
n-Butylbenzene	0.125	0.115	92.0	68.0-135	
sec-Butylbenzene	0.125	0.112	89.6	74.0-130	
tert-Butylbenzene	0.125	0.110	88.0	75.0-127	
Carbon tetrachloride	0.125	0.113	90.4	66.0-128	
Chlorobenzene	0.125	0.117	93.6	76.0-128	
Chlorodibromomethane	0.125	0.116	92.8	74.0-127	
Chloroethane	0.125	0.159	127	61.0-134	
Chloroform	0.125	0.112	89.6	72.0-123	
Chloromethane	0.125	0.136	109	51.0-138	
2-Chlorotoluene	0.125	0.109	87.2	75.0-124	
4-Chlorotoluene	0.125	0.105	84.0	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.108	86.4	59.0-130	
1,2-Dibromoethane	0.125	0.115	92.0	74.0-128	
Dibromomethane	0.125	0.103	82.4	75.0-122	
1,2-Dichlorobenzene	0.125	0.113	90.4	76.0-124	
1,3-Dichlorobenzene	0.125	0.112	89.6	76.0-125	
1,4-Dichlorobenzene	0.125	0.110	88.0	77.0-121	
Dichlorodifluoromethane	0.125	0.151	121	43.0-156	
1,1-Dichloroethane	0.125	0.137	110	70.0-127	
1,2-Dichloroethane	0.125	0.103	82.4	65.0-131	
1,1-Dichloroethene	0.125	0.113	90.4	65.0-131	
cis-1,2-Dichloroethene	0.125	0.117	93.6	73.0-125	
trans-1,2-Dichloroethene	0.125	0.123	98.4	71.0-125	
1,2-Dichloropropane	0.125	0.106	84.8	74.0-125	
1,1-Dichloropropene	0.125	0.104	83.2	73.0-125	
1,3-Dichloropropane	0.125	0.113	90.4	80.0-125	
cis-1,3-Dichloropropene	0.125	0.122	97.6	76.0-127	
trans-1,3-Dichloropropene	0.125	0.114	91.2	73.0-127	
2,2-Dichloropropane	0.125	0.113	90.4	59.0-135	
Di-isopropyl ether	0.125	0.166	133	60.0-136	
Ethylbenzene	0.125	0.116	92.8	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.122	97.6	57.0-150	
Isopropylbenzene	0.125	0.126	101	72.0-127	
p-Isopropyltoluene	0.125	0.118	94.4	72.0-133	
2-Butanone (MEK)	0.625	0.747	120	30.0-160	
Methylene Chloride	0.125	0.124	99.2	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.620	99.2	56.0-143	
Methyl tert-butyl ether	0.125	0.131	105	66.0-132	

Laborator Contro Samp e LCS

LCS 4119579-1 09/12/24 17:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.125	0.0822	65.8	59.0-130	
n-Propylbenzene	0.125	0.106	84.8	74.0-126	
Styrene	0.125	0.105	84.0	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.116	92.8	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0996	79.7	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.0780	62.4	61.0-139	
Tetrachloroethene	0.125	0.120	96.0	70.0-136	
Toluene	0.125	0.108	86.4	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.108	86.4	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.0945	75.6	62.0-137	
1,1,1-Trichloroethane	0.125	0.108	86.4	69.0-126	
1,1,2-Trichloroethane	0.125	0.111	88.8	78.0-123	
Trichloroethene	0.125	0.120	96.0	76.0-126	
Trichlorofluoromethane	0.125	0.153	122	61.0-142	
1,2,3-Trichloropropane	0.125	0.105	84.0	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.110	88.0	70.0-126	
1,2,3-Trimethylbenzene	0.125	0.108	86.4	74.0-124	
1,3,5-Trimethylbenzene	0.125	0.109	87.2	73.0-127	
Vinyl chloride	0.125	0.147	118	63.0-134	
Xylenes, Total	0.375	0.345	92.0	72.0-127	
(S) Toluene-d8			*97.8*	*75.0-131*	
(S) 4-Bromofluorobenzene			*100*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*92.2*	*70.0-130*	

Method an M

M 4119813-1 09/13/24 18:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
(S) o-Terphenyl	*55.7*			*18.0-148*

Laborator Contro Samp e LCS

LCS 4119813-2 09/13/24 18:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	50.0	38.5	77.0	50.0-150	
(S) o-Terphenyl			*64.1*	*18.0-148*	

L1774549-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1774549-01 09/14/24 03:27 MS 4119813-3 09/14/24 03:40 MS 4119813-4 09/14/24 03:53

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 %
C12-C22 Hydrocarbons	48.9	3.99	47.6	42.8	89.2	79.4	2	50.0-150			10.6	20
(S) o-Terphenyl					*67.0*	*62.7*		*18.0-148*				

Sample Narrative:

OS: Dilution due to matrix impact during extraction procedure

Method an M

M 4119914-1 09/13/24 16:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2,4-D	U		0.00702	0.0700
Dalapon	U		0.0113	0.0700
2,4-DB	U		0.0297	0.0700
Dicamba	U		0.0157	0.0700
Dichloroprop	U		0.0245	0.0700
Dinoseb	U		0.00697	0.0700
MCPA	U		0.443	6.50
MCPP	U		0.367	6.50
2,4,5-T	U		0.00852	0.0700
2,4,5-TP (Silvex)	U		0.0107	0.0700
(S) 2,4-Dichlorophenyl Acetic Acid	*80.8*			*22.0-132*

Laborator Contro Samp e LCS

LCS 4119914-2 09/13/24 17:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4-D	0.0833	0.114	137	40.0-120	4
Dalapon	0.0833	0.0770	92.4	15.0-120	
2,4-DB	0.0833	0.0858	103	25.0-143	
Dicamba	0.0833	0.0747	89.7	43.0-120	
Dichloroprop	0.0833	0.0745	89.4	32.0-129	
Dinoseb	0.0833	0.0224	26.9	10.0-120	
MCPA	8.33	8.23	98.8	31.0-121	
MCPP	8.33	7.22	86.7	28.0-133	
2,4,5-T	0.0833	0.0850	102	41.0-120	
2,4,5-TP (Silvex)	0.0833	0.0689	82.7	42.0-120	
(S) 2,4-Dichlorophenyl Acetic Acid			*83.8*	*22.0-132*	

L1776587-11 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1776587-11 09/13/24 21:00 MS 4119914-3 09/13/24 21:12 MS 4119914-4 09/13/24 21:23

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 %
2,4-D	0.0848	U	0.105	0.106	124	125	1	10.0-160			0.966	24
Dalapon	0.0848	U	0.0583	0.0528	68.7	62.1	1	10.0-121			9.75	27
2,4-DB	0.0848	U	0.0516	0.0557	60.8	65.4	1	10.0-160			7.62	22

CONFIDENTIAL
No reliance without separate reliance agreement.

L1776587-11 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1776587-11 09/13/24 21:00 MS 4119914-3 09/13/24 21:12 MS 4119914-4 09/13/24 21:23

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	%	%		%			%	%
Dicamba	0.0848	U	0.0579	0.0553	68.2	64.9	1	10.0-154			4.52	21
Dichloroprop	0.0848	U	0.0642	0.0654	75.7	76.8	1	10.0-158			1.89	20
Dinoseb	0.0848	U	0.0447	0.0509	52.7	59.8	1	10.0-120			13.0	40
MCPA	8.48	U	15.3	14.5	181	170	1	10.0-160	5	5	5.48	40
MCPP	8.48	U	10.0	8.11	118	95.2	1	10.0-160			21.4	40
2,4,5-T	0.0848	U	0.0732	0.0744	86.3	87.4	1	10.0-157			1.66	20
2,4,5-TP (Silvex)	0.0848	U	0.0601	0.0628	70.8	73.7	1	10.0-156			4.33	20
(S) 2,4-Dichlorophenyl Acetic Acid					*74.1*	*74.9*		*22.0-132*				

Method an M

M 4120155-1 09/14/24 17:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Azinphos-Methyl	U		0.0318	0.100
Bolstar (Sulprofos)	U		0.0149	0.100
Chlorpyrifos	U		0.0157	0.100
Coumaphos	U		0.0243	0.100
Demeton,-O and -S	U		0.00584	0.0700
Diazinon	U		0.0225	0.100
Dichlorvos	U		0.0300	0.100
Dimethoate	U		0.0334	0.100
Disulfoton	U		0.0254	0.100
EPN	U		0.0276	0.100
Ethoprop	U		0.0118	0.100
Ethyl Parathion	U		0.0164	0.100
Fensulfothion	U		0.0353	0.100
Fenthion	U		0.0133	0.100
Malathion	U		0.0179	0.100
Merphos	U		0.0232	0.100
Methyl parathion	U		0.0203	0.100
Mevinphos	U		0.0230	0.100
Naled	U		0.0480	0.100
Phorate	U		0.0210	0.100
Ronnel	U		0.0149	0.100
Stirophos	U		0.0178	0.100
Sulfotep	U		0.00986	0.100
TEPP	U		0.157	1.00
Tokuthion (Prothothiofos)	U		0.0150	0.100
Trichloronate	U		0.0201	0.100
(S) Triphenyl Phosphate	*103*			*36.0-121*

Laborator Contro Samp e LCS

LCS 4120155-2 09/14/24 17:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Azinphos-Methyl	0.333	0.350	105	58.0-125	
Bolstar (Sulprofos)	0.333	0.331	99.4	64.0-120	
Chlorpyrifos	0.333	0.342	103	62.0-120	
Coumaphos	0.333	0.356	107	60.0-120	
Demeton,-O and -S	0.167	0.167	100	59.0-120	
Diazinon	0.333	0.304	91.3	49.0-120	

Laborator Contro Samp e LCS

LCS 4120155-2 09/14/24 17:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dichlorvos	0.333	0.203	61.0	37.0-120	
Dimethoate	0.333	0.323	97.0	46.0-127	
Disulfoton	0.333	0.325	97.6	60.0-121	
EPN	0.333	0.343	103	60.0-121	
Ethoprop	0.333	0.329	98.8	59.0-120	
Ethyl Parathion	0.333	0.349	105	62.0-120	
Fensulfothion	0.333	0.327	98.2	58.0-123	
Fenthion	0.333	0.319	95.8	61.0-121	
Malathion	0.333	0.360	108	59.0-120	
Merphos	0.333	0.245	73.6	59.0-120	
Methyl parathion	0.333	0.323	97.0	63.0-120	
Mevinphos	0.333	0.254	76.3	50.0-120	
Naled	0.333	0.161	48.3	10.0-125	
Phorate	0.333	0.322	96.7	60.0-120	
Ronnel	0.333	0.312	93.7	62.0-120	
Stirophos	0.333	0.324	97.3	62.0-120	
Sulfotep	0.333	0.392	118	62.0-122	
TEPP	3.33	0.767	23.0	10.0-135	
Tokuthion (Prothothiofos)	0.333	0.331	99.4	63.0-120	
Trichloronate	0.333	0.347	104	62.0-120	
(S) Triphenyl Phosphate			*103*	*36.0-121*	

Method an M

M 4119775-1 09/13/24 13:52

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	*76.6*			*10.0-135*
(S) Tetrachloro-m-xylene	*81.8*			*10.0-139*

Laborator Contro Samp e LCS

LCS 4119775-2 09/13/24 14:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aldrin	0.0666	0.0589	88.4	34.0-136	
Alpha BHC	0.0666	0.0585	87.8	34.0-139	
Beta BHC	0.0666	0.0554	83.2	34.0-133	
Delta BHC	0.0666	0.0556	83.5	34.0-135	
Gamma BHC	0.0666	0.0587	88.1	34.0-136	
4,4-DDD	0.0666	0.0591	88.7	33.0-141	
4,4-DDE	0.0666	0.0580	87.1	34.0-134	
4,4-DDT	0.0666	0.0588	88.3	30.0-143	
Dieldrin	0.0666	0.0589	88.4	35.0-137	
Endosulfan I	0.0666	0.0570	85.6	34.0-134	

Laborator Contro Samp e LCS

LCS 4119775-2 09/13/24 14:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endosulfan II	0.0666	0.0583	87.5	35.0-132	
Endosulfan sulfate	0.0666	0.0564	84.7	35.0-132	
Endrin	0.0666	0.0562	84.4	34.0-137	
Endrin aldehyde	0.0666	0.0541	81.2	23.0-121	
Endrin ketone	0.0666	0.0592	88.9	35.0-144	
Heptachlor	0.0666	0.0585	87.8	36.0-141	
Heptachlor epoxide	0.0666	0.0579	86.9	36.0-134	
Hexachlorobenzene	0.0666	0.0567	85.1	33.0-129	
Methoxychlor	0.0666	0.0561	84.2	28.0-150	
(S) Decachlorobiphenyl			*84.2*	*10.0-135*	
(S) Tetrachloro-m-xylene			*93.2*	*10.0-139*	

L1775077-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1775077-01 09/13/24 14:12 MS 4119775-3 09/13/24 14:22 MS 4119775-4 09/13/24 14:32

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 %
Aldrin	0.0659	U	0.0583	0.0474	88.5	72.6	1	20.0-135			20.6	37
Alpha BHC	0.0659	U	0.0571	0.0462	86.6	70.8	1	27.0-140			21.1	35
Beta BHC	0.0659	U	0.0542	0.0443	82.2	67.8	1	23.0-141			20.1	37
Delta BHC	0.0659	U	0.0542	0.0440	82.2	67.4	1	21.0-138			20.8	35
Gamma BHC	0.0659	U	0.0574	0.0466	87.1	71.4	1	27.0-137			20.8	36
4,4-DDD	0.0659	U	0.0629	0.0509	95.4	77.9	1	15.0-152			21.1	39
4,4-DDE	0.0659	0.0387	0.111	0.0876	110	74.9	1	10.0-152			23.6	40
4,4-DDT	0.0659	U	0.0606	0.0491	92.0	75.2	1	10.0-151			21.0	40
Dieldrin	0.0659	U	0.0615	0.0515	93.3	78.9	1	17.0-145			17.7	37
Endosulfan I	0.0659	U	0.0577	0.0466	87.6	71.4	1	20.0-137			21.3	36
Endosulfan II	0.0659	U	0.0618	0.0506	93.8	77.5	1	15.0-141			19.9	37
Endosulfan sulfate	0.0659	U	0.0552	0.0462	83.8	70.8	1	15.0-143			17.8	38
Endrin	0.0659	U	0.0582	0.0485	88.3	74.3	1	19.0-143			18.2	37
Endrin aldehyde	0.0659	U	0.0602	0.0509	91.4	77.9	1	10.0-139			16.7	40
Endrin ketone	0.0659	U	0.0580	0.0481	88.0	73.7	1	17.0-149			18.7	38
Heptachlor	0.0659	U	0.0580	0.0472	88.0	72.3	1	22.0-138			20.5	37
Heptachlor epoxide	0.0659	U	0.0583	0.0474	88.5	72.6	1	22.0-138			20.6	36
Hexachlorobenzene	0.0659	U	0.0553	0.0455	83.9	69.7	1	25.0-126			19.4	35
Methoxychlor	0.0659	U	0.0639	0.0538	97.0	82.4	1	10.0-159			17.2	40
(S) Decachlorobiphenyl					*95.8*	*88.4*		*10.0-135*				
(S) Tetrachloro-m-xylene					*93.2*	*85.5*		*10.0-139*				

Method an M

M 4120207-3 09/13/24 21:52

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
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
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
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
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
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
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	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

Method an M

M 4120207-3 09/13/24 21:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	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
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*72.8*			*12.0-120*
(S) Phenol-d5	*67.7*			*10.0-120*
(S) Nitrobenzene-d5	*59.2*			*10.0-122*
(S) 2-Fluorobiphenyl	*68.8*			*15.0-120*
(S) 2,4,6-Tribromophenol	*68.2*			*10.0-127*
(S) p-Terphenyl-d14	*76.9*			*10.0-120*

Laborator Contro Samp e LCS

LCS 4120207-1 09/13/24 21:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.543	81.5	38.0-120	
Acenaphthylene	0.666	0.539	80.9	40.0-120	
Anthracene	0.666	0.606	91.0	42.0-120	
Benzidine	1.33	0.571	42.9	10.0-120	
Benzo(a)anthracene	0.666	0.592	88.9	44.0-120	
Benzo(b)fluoranthene	0.666	0.602	90.4	43.0-120	
Benzo(k)fluoranthene	0.666	0.621	93.2	44.0-120	
Benzo(g,h,i)perylene	0.666	0.572	85.9	43.0-120	
Benzo(a)pyrene	0.666	0.623	93.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.436	65.5	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.593	89.0	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.494	74.2	23.0-120	
4-Bromophenyl-phenylether	0.666	0.627	94.1	40.0-120	
2-Chloronaphthalene	0.666	0.524	78.7	35.0-120	

Laborator Contro Samp e LCS

LCS 4120207-1 09/13/24 21:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	0.666	0.578	86.8	40.0-120	
Chrysene	0.666	0.609	91.4	43.0-120	
Dibenz(a,h)anthracene	0.666	0.618	92.8	44.0-120	
3,3-Dichlorobenzidine	1.33	1.07	80.5	28.0-120	
2,4-Dinitrotoluene	0.666	0.615	92.3	45.0-120	
2,6-Dinitrotoluene	0.666	0.582	87.4	42.0-120	
Fluoranthene	0.666	0.628	94.3	44.0-120	
Fluorene	0.666	0.569	85.4	41.0-120	
Hexachlorobenzene	0.666	0.587	88.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.448	67.3	15.0-120	
Hexachlorocyclopentadiene	0.666	0.411	61.7	15.0-120	
Hexachloroethane	0.666	0.466	70.0	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.569	85.4	45.0-120	
Isophorone	0.666	0.422	63.4	23.0-120	
Naphthalene	0.666	0.441	66.2	18.0-120	
Nitrobenzene	0.666	0.412	61.9	17.0-120	
n-Nitrosodimethylamine	0.666	0.453	68.0	10.0-125	
n-Nitrosodiphenylamine	0.666	0.589	88.4	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.492	73.9	26.0-120	
Phenanthrene	0.666	0.600	90.1	42.0-120	
Benzylbutyl phthalate	0.666	0.577	86.6	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.575	86.3	41.0-120	
Di-n-butyl phthalate	0.666	0.593	89.0	43.0-120	
Diethyl phthalate	0.666	0.576	86.5	43.0-120	
Dimethyl phthalate	0.666	0.557	83.6	43.0-120	
Di-n-octyl phthalate	0.666	0.564	84.7	40.0-120	
Pyrene	0.666	0.592	88.9	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.438	65.8	17.0-120	
4-Chloro-3-methylphenol	0.666	0.439	65.9	28.0-120	
2-Chlorophenol	0.666	0.523	78.5	28.0-120	
2,4-Dichlorophenol	0.666	0.468	70.3	25.0-120	
2,4-Dimethylphenol	0.666	0.457	68.6	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.564	84.7	16.0-120	
2,4-Dinitrophenol	0.666	0.389	58.4	10.0-120	
2-Nitrophenol	0.666	0.464	69.7	20.0-120	
4-Nitrophenol	0.666	0.568	85.3	27.0-120	
Pentachlorophenol	0.666	0.529	79.4	29.0-120	
Phenol	0.666	0.504	75.7	28.0-120	
2,4,6-Trichlorophenol	0.666	0.501	75.2	37.0-120	
(S) 2-Fluorophenol			*79.4*	*12.0-120*	

Laborator Contro Samp e LCS

LCS 4120207-1 09/13/24 21:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*75.5*	*10.0-120*	
(S) Nitrobenzene-d5			*54.1*	*10.0-122*	
(S) 2-Fluorobiphenyl			*78.4*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*90.4*	*10.0-127*	
(S) p-Terphenyl-d14			*81.1*	*10.0-120*	

L1776754-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1776754-01 09/14/24 03:03 MS 4120207-4 09/14/24 03:24 MS 4120207-5 09/14/24 03:44

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	0.737	U	0.670	0.537	90.8	74.4	10	18.0-120			22.0	32
Acenaphthylene	0.737	U	0.610	0.521	82.7	72.2	10	25.0-120			15.7	32
Anthracene	0.737	0.101	0.785	0.615	92.7	71.2	10	22.0-120			24.2	29
Benzidine	1.47	U	U	U	0.000	0.000	10	10.0-120	6	6	0.000	40
Benzo(a)anthracene	0.737	0.241	1.05	0.733	109	68.1	10	25.0-120		3	35.4	29
Benzo(b)fluoranthene	0.737	0.414	1.31	1.02	121	84.0	10	19.0-122			24.5	31
Benzo(k)fluoranthene	0.737	0.136	0.880	0.749	101	85.0	10	23.0-120			16.0	30
Benzo(g,h,i)perylene	0.737	0.187	0.593	0.433	55.1	34.0	10	10.0-120			31.3	33
Benzo(a)pyrene	0.737	0.253	1.04	0.788	107	74.1	10	24.0-120			27.5	30
Bis(2-chlorethoxy)methane	0.737	U	0.623	0.538	84.5	74.5	10	10.0-120			14.7	34
Bis(2-chloroethyl)ether	0.737	U	0.686	0.620	93.1	85.9	10	10.0-120			10.2	40
2,2-Oxybis(1-Chloropropane)	0.737	U	0.632	0.575	85.7	79.8	10	10.0-120			9.35	40
4-Bromophenyl-phenylether	0.737	U	0.672	0.587	91.1	81.3	10	27.0-120			13.5	30
2-Chloronaphthalene	0.737	U	0.590	0.502	80.0	69.6	10	20.0-120			16.0	32
4-Chlorophenyl-phenylether	0.737	U	0.653	0.543	88.6	75.3	10	24.0-120			18.3	29
Chrysene	0.737	0.225	1.10	0.754	119	73.3	10	21.0-120		3	37.7	29
Dibenz(a,h)anthracene	0.737	U	0.459	0.332	62.3	46.0	10	10.0-120		3	32.2	32
3,3-Dichlorobenzidine	1.47	U	0.356	0.465	24.2	32.3	10	10.0-120			26.4	34
2,4-Dinitrotoluene	0.737	U	0.590	0.407	80.0	56.4	10	30.0-120		3	36.6	31
2,6-Dinitrotoluene	0.737	U	0.634	0.482	86.0	66.9	10	25.0-120			27.2	31
Fluoranthene	0.737	0.550	1.58	0.955	140	56.1	10	18.0-126	5	3	49.5	32
Fluorene	0.737	U	0.676	0.561	91.7	77.8	10	25.0-120			18.6	30
Hexachlorobenzene	0.737	3.31	0.907	0.724	0.000	0.000	10	27.0-120			22.5	28
Hexachloro-1,3-butadiene	0.737	U	0.679	0.557	92.2	77.1	10	10.0-120			19.9	38
Hexachlorocyclopentadiene	0.737	U	U	U	4.73	1.95	10	10.0-120	6	3 6	85.1	40
Hexachloroethane	0.737	U	0.398	0.340	54.1	47.1	10	10.0-120			15.9	40
Indeno(1,2,3-cd)pyrene	0.737	0.163	0.671	0.418	68.9	35.4	10	10.0-120		3	46.3	32
Isophorone	0.737	U	0.621	0.539	84.2	74.7	10	13.0-120			14.1	34

L1776754-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1776754-01 09/14/24 03:03 MS 4120207-4 09/14/24 03:24 MS 4120207-5 09/14/24 03:44

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 %
Naphthalene	0.737	U	0.694	0.615	94.1	85.3	10	10.0-120			12.0	35
Nitrobenzene	0.737	U	0.620	0.527	84.1	73.0	10	10.0-120			16.2	36
n-Nitrosodimethylamine	0.737	U	0.644	U	87.4	0.000	10	10.0-127		3 6	200	40
n-Nitrosodiphenylamine	0.737	U	0.650	0.565	88.1	78.4	10	17.0-120			13.8	29
n-Nitrosodi-n-propylamine	0.737	U	0.634	0.583	86.0	80.8	10	10.0-120			8.36	37
Phenanthrene	0.737	0.399	1.16	0.774	103	51.8	10	17.0-120		3	40.1	31
Benzylbutyl phthalate	0.737	U	0.729	0.681	98.9	94.3	10	23.0-120			6.91	30
Bis(2-ethylhexyl)phthalate	0.737	12.4	8.75	2.53	0.000	0.000	10	17.0-126		3	110	30
Di-n-butyl phthalate	0.737	U	0.718	0.645	97.4	89.4	10	30.0-120			10.7	29
Diethyl phthalate	0.737	U	0.629	0.546	85.3	75.6	10	26.0-120			14.1	28
Dimethyl phthalate	0.737	U	U	U	82.4	71.9	10	25.0-120			15.7	29
Di-n-octyl phthalate	0.737	U	0.749	0.626	102	86.8	10	21.0-123			17.9	29
Pyrene	0.737	0.461	1.39	0.940	127	66.3	10	16.0-121	5	3	39.0	32
1,2,4-Trichlorobenzene	0.737	U	0.629	0.549	85.3	76.1	10	12.0-120			13.5	37
4-Chloro-3-methylphenol	0.737	U	0.645	0.600	87.5	83.1	10	15.0-120			7.29	30
2-Chlorophenol	0.737	U	0.629	0.557	85.3	77.1	10	15.0-120			12.1	37
2,4-Dichlorophenol	0.737	U	0.611	0.535	82.9	74.1	10	20.0-120			13.3	31
2,4-Dimethylphenol	0.737	U	0.629	0.546	85.3	75.6	10	10.0-120			14.1	33
4,6-Dinitro-2-methylphenol	0.737	U	U	U	13.3	0.000	10	10.0-120		3 6	200	39
2,4-Dinitrophenol	0.666	U	U	U	0.000	0.000	10	10.0-121	6	6	0.000	40
2-Nitrophenol	0.737	U	0.544	0.419	73.9	58.1	10	12.0-120			25.9	39
4-Nitrophenol	0.737	U	0.590	0.440	80.0	61.0	10	10.0-137			29.0	32
Pentachlorophenol	0.737	U	0.563	0.476	76.4	66.0	10	10.0-160			16.8	31
Phenol	0.737	U	0.609	0.515	82.6	71.3	10	12.0-120			16.7	38
2,4,6-Trichlorophenol	0.737	U	0.536	0.486	72.7	67.3	10	19.0-120			9.75	32
(S) 2-Fluorophenol					*91.1*	*80.4*		*12.0-120*				
(S) Phenol-d5					*80.6*	*72.1*		*10.0-120*				
(S) Nitrobenzene-d5					*66.4*	*67.2*		*10.0-122*				
(S) 2-Fluorobiphenyl					*80.8*	*69.6*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*86.2*	*77.3*		*10.0-127*				
(S) p-Terphenyl-d14					*82.0*	*76.7*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extraction procedure

u de to ead ng and Understand ng our Laborator eport

The nformat on be o s des gned to better e p a n the ar ous terms used n our report of ana t ca resu ts from the Laborator Th s s not ntended as a comprehens e e p anat on, and f ou ha e add t ona uest ons p ease contact our project representat e

esu ts sc a mer - Informat on that ma be pro ded b the customer, and conta ned th n th s report, nc ude Perm t L m ts, Project ame, Samp e I , Samp e Matr , Samp e Preser at on, e d an s, e d Sp es, e d up cates, n-S te ata, Samp ng Co ect on ates/T mes, and Samp ng Locat on esu ts re ate to the accurac of th s nformat on pro ded, and as the samp es are rece ed

Abbre at ons and ef n t ons

dr	esu ts are reported based on the dr e ght of the samp e th s on be present on a dr report bas s for so s
M L	Method etect on L m t
M L dr	Method etect on L m t
L	eported etect on L m t
L dr	eported etect on L m t
ec	eco er
P	e at e Percent fference
S	Samp e e er roup
S	Surrogate Surrogate Standard - Ana tes added to e er b an , samp e, Laborator Contro Samp e/ up cate and Matr Sp e/ up cate used to e a uate ana t ca eff c enc b measur ng reco er Surrogates are not e pected to be detected n a en ronmenta med a
U	ot detected at the eport ng L m t or M L here app cab e
Ana te	The name of the part cu ar compound or ana s s performed Some Ana ses and Methods ha e mu t p e ana tes reported
ut on	If the samp e matr conta ns an nterfer ng mater a , the samp e preparat on o ume or e ght a ues d ffer from the standard, or f concentrat ons of ana tes n the samp e are h gher than the h ghest m t of concentrat on that the aborator can accurate report, the samp e ma be d uted for ana s s If a a ue d fferent than 1 s used n th s f e d, the resu t reported has a read been corrected for th s factor
L m ts	These are the target reco er ranges or d fference a ue that the aborator has h stor ca determ ned as norma for the method and ana te be ng reported Successfu C Samp e ana s s target a ana tes reco ered or dup cated th n these ranges
r g na Samp e	The non-sp ed samp e n the prep batch used to determ ne the e at e Percent fference P from a ua t contro samp e The r g na Samp e ma not be nc uded th n the reported S
ua f er	Th s co umn pro des a etter and/or number des gnat on that corresponds to add t ona nformat on concern ng the resu t reported If a ua f er s present, a def n t on per ua f er s pro ded th n the ossar and ef n t ons page and potent a a d scuss on of poss b e mp cat ons of the ua f er n the Case arrat e f app cab e
esu t	The actua ana t ca f na resu t corrected for an samp e spec f c character st cs reported for our samp e If there as no measurab e resu t returned for a spec f c ana te, the resu t n th s co umn ma state ot etected or L e o etectab e Le e s The nformat on n the resu ts co umn shou d a a s be accompan ed b e ther an M L Method etect on L m t or L eport ng etect on L m t that def nes the o est a ue that the aborator cou d detect or report for th s ana te
Uncerta nt ad ochem str	Conf dence e e of 2 s gma
Case arrat e Cn	A br ef d scuss on about the nc uded samp e resu ts, nc ud ng a d scuss on of an non-conformances to protoco obser ed e ther at samp e rece pt b the aborator from the f e d or dur ng the ana t ca process If present, there be a sect on n the Case arrat e to d scuss the mean ng of an data ua f ers used n the report
ua t Contro Summar c	Th s sect on of the report nc udes the resu ts of the aborator ua t contro ana ses re u red b procedure or ana t ca methods to ass st n e a uat ng the a d t of the resu ts reported for our samp es These ana ses are not be ng performed on our samp es t p ca , but on aborator generated mater a
Samp e Cha n of Custod Sc	Th s s the document created n the f e d hen our samp es ere n t a co ected Th s s used to er f the t me and date of co ect on, the person co ect ng the samp es, and the ana ses that the aborator s re uested to perform Th s cha n of custod a so documents a persons e c ud ng commerc a sh ppers that ha e had contro or possess on of the samp es from the t me of co ect on unt de er to the aborator for ana s s
Samp e esu ts Sr	Th s sect on of our report pro de the resu ts of a test ng performed on our samp es These resu ts are pro ded b samp e I and are separated b the ana ses performed on each samp e The header ne of each ana s s sect on for each samp e pro de the name and method number for the ana s s reported
Samp e Summar Ss	Th s sect on of the Ana t ca eport def nes the spec f c ana ses performed for each samp e I , nc ud ng the dates and t mes of preparat on and/or ana s s

ua f er escr pt on

	The same ana te s found n the assoc ated b an
	The dent f cat on of the ana te s acceptab e the reported a ue s an est mate
3	The assoc ated batch C as outs de the estab shed ua t contro range for prec s on
4	The assoc ated batch C as outs de the estab shed ua t contro range for accurac
5	The samp e matr nterfered th the ab t to ma e an accurate determ nat on sp e a ue s h gh
6	The samp e matr nterfered th the ab t to ma e an accurate determ nat on sp e a ue s o
	The samp e concentrat on s too h gh to e a uate accurate sp e reco er es

ACC E ITATI S L CATI S

Pace Ana t ca at ona 12065 Lebanon d Mount u et, T 37122

Ala ama		Ne raska	N OS
Alaska		Nevada	N
Ari ona	A	Ne ampshire	
Arkansas		Ne ersey N LAP	N
California		Ne Me ico	N
Colorado	N	Ne ork	
Connecticut	P	North Carolina	nv
lorida		North Carolina	D
eorgia	N LAP	North Carolina	
eorgia		North Dakota	R
daho	N	Ohio AP	CL
llinois		Oklahoma	
ndiana	C N	Oregon	N
o a		Pennsylvania	
ansas		Rhode sland	LAO
entucky		South Carolina	
entucky		South Dakota	n a
Louisiana	A	ennessee	
Louisiana	LA	e as	
Maine	N	e as	LAB
Maryland		Utah	N
Massachusetts	M N	ermont	
Michigan		irginia	
Minnesota		ashington	C
Mississippi	N	est irginia	
Missouri		isconsin	
Montana	C R	yoming	A LA
A LA SO	.	A A LAP LLC MLAP	
A LA SO	.	DOD	.
Canada	.	USDA	P
PA Crypto	N		

Drinking ater Underground Storage anks A uatic o icity Chemical Micro iological Mold aste ater n a Accreditation not applica le
Not all certifications held y the la oratory are applica le to the results reported in the attached report.
Accreditation is only applica le to the test methods specified on each scope of accreditation held y Pace Analytical.

Company Name/Address:
Tetra Tech EMI - Houston, TX

1500 CityWest Boulevard
Suite 1000
Houston. TX 77042

Billing Information:
Accounts Payable
901 West Wall
Suite 100
Midland, TX 79701

Pres Chk

Report to: Diana Eldam/Manuela Pastrano

Email To: manuela.pastrano@tetratech.com;diana.eldam

Project Description: DR Horton - (COR) Keller Crossing Phase II

City/State Collected:

Please Circle: PT MT CT ET

Phone: 832-251-5160

Client Project #

Lab Project # TETRAHTX-KELLER

Collected by (print): Maxx Modarczyk

Site/Facility ID #

P.O. #

Collected by (signature): Maxx M.

Immediately Packed on Ice N ___ Y ✓

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCA, SVB270 8ozClr-NoPres	GROCA 40mlAmb/MeOH 10ml/Syr	MRCRA8 8ozClr-NoPres	SVB081,SVB141,SVB151 8ozClr-NoPres	VB260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
Area 9- Comp	Comp	SS	0-0.5	9/10/24	1140	3	X	X	X	X	X		-01
Area 9-1-0.5	Grab	SS	0-0.5		1020							Hold Sample	-02
Area 9-1-2		SS	1-2		1030							Hold Sample	-03
Area 9-2-0.5		SS	0-0.5		1040							Hold Sample	-04
Area 9-2-2		SS	1-2		1050							Hold Sample	-05
Area 9-3-0.5		SS	0-0.5		1055							Hold Sample	-06
Area 9-3-2		SS	1-2		1100							Hold Sample	-07
Area 9-4-0.5		SS	0-0.5		1115							Hold Sample	-08
Area 9-4-2		SS	1-2		1120							Hold Sample	-09
Area 9-5-0.5	↓	SS	0-0.5	↓	1130	✓						Hold Sample	-10

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

Remarks: All discrete soil samples will be placed on hold for the same analysis at the lab, pending the results of the composite soil samples.

pH _____ Temp _____ Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking # 410291690070

Chain of Custody Page 1 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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 # L1294654
D017

Acctnum: TETRAHTX
Template: T259254
Prelogin: P1097698
PM: 3564 - Chad A Upchurch
PB:

Shipped Via: FedEx Priority

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
	9/10/24	1530		1	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 7 °C Bottles Received: 3.1 to 3.4 35	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9.11.24 Time: 0900	Hold: Condition: NCF / OK

CONFIDENTIAL

No reliance without separate reliance agreement.

Company Name/Address:
Tetra Tech EMI - Houston, TX

1500 CityWest Boulevard
Suite 1000
Houston, TX 77042

Billing Information:
Accounts Payable
901 West Wall
Suite 100
Midland, TX 79701

Pres Chk

Report to:
Diana Eldam/Manuela Pastrano

Email To:
manuela.pastrano@tetratech.com;diana.eldam

Project Description:
DR Horton - (COR) Keller Crossing Phase II

City/State Collected:

Please Circle: PT MT CT ET

Phone: 832-251-5160

Client Project #

Lab Project #
TETRAHTX-KELLER

Collected by (print):
Marx Wodarczyk

Site/Facility ID #

P.O. #

Collected by (signature):
Marx W.

Immediately Packed on Ice N ___ Y ✓

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCA, SV8270 8ozCir-NoPres	GROCA 40mlAmb/MeOH 10ml/Syr	MRCRA8 8ozCir-NoPres	SV8081,SV8141,SV8151 8ozCir-NoPres	V8260 40mlAmb/MeOH 10ml/Syr	Remarks	Sample # (lab only)
Area 9-S2	Grab	SS	1-2	9/10/24	1135	3						Hold Sample	
		SS											
		SS											
		SS											
		SS											
		SS											
		SS											
		SS											
		SS											
		SS											

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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 # L1774685

Table #

Acctnum: TETRAHTX
Template: T259254
Prelogin: P1097698
PM: 3564 - Chad A Upchurch
PB:

Shipped Via: FedEx Priority

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

Remarks: See page 1 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
	9/10/24	1530		1	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.1+0.3=2.4 °C Bottles Received: 33	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9.11.24 Time: 0900	Hold: Condition: NCF / OK
CONFIDENTIAL			Deyan H		

No reliance without separate reliance agreement.

ANALYTICAL REPORT

September 25, 2024

Tetra Tech EMI - Houston, TX

Samp e e er roup: L1779418

Samp es ece ed: 09/19/2024

Project umber:

escr pt on: Horton - C e er Cross ng Phase II

eport To: ana E dam/Manue a Pastrano
1500 C t est ou e ard
Su te 1000
Houston, TX 77042

Ent re eport e e ed :

Chad A Upchurch
Project Manager

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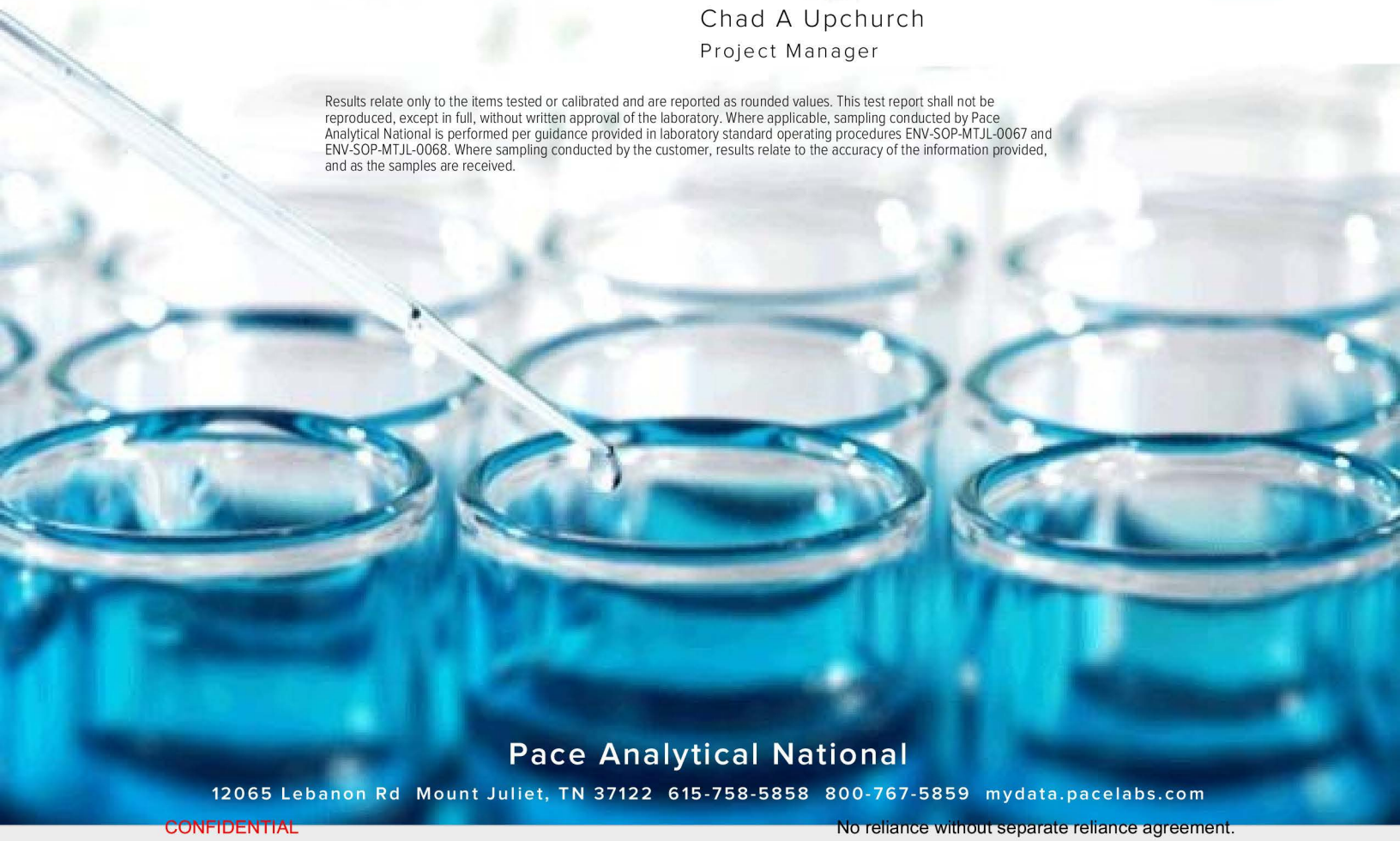


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A EA10-C MP L1779418-01 So d

Collected by: Janine Angenent
Collected date/time: 09/18/24 13:40
Received date/time: 09/19/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2366321	1	09/20/24 12:30	09/20/24 12:45	MT	Mt. Juliet, TN
Mercury by Method 7471A	WG2366424	1	09/20/24 14:09	09/21/24 11:03	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2366513	1	09/22/24 11:14	09/23/24 16:54	SA	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2366163	25.8	09/18/24 13:40	09/20/24 02:48	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2366229	1.03	09/18/24 13:40	09/20/24 00:56	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2368266	1	09/24/24 08:07	09/24/24 16:40	KKS	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2365909	1	09/20/24 06:27	09/21/24 22:02	NWH	Mt. Juliet, TN
OP Pesticides by Method 8141	WG2365773	1	09/20/24 08:11	09/21/24 10:39	MEW	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2368272	1	09/24/24 09:33	09/24/24 16:11	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2367359	2	09/23/24 15:57	09/24/24 17:32	JRM	Mt. Juliet, TN

A samp e a uots ere rece ed at the correct temperature, n the proper conta ners, th the appropr ate preser at es, and th n method spec f ed ho d ng t mes, un ess ua f ed or notated th n the report here app cab e, a M L L and L L a ues reported for en ronmenta samp es ha e been corrected for the d ut on factor used n the ana s s A Method and atch ua t Contro are th n estab shed cr ter a e cept here addressed n th s case narrat e, a non-conformance form or proper ua f ed th n the samp e resu ts m d g ta s gnature be o , l aff rm to the best of m no edge, a prob ems/anoma es obser ed b the aborator as ha ng the potent a to affect the ua t of the data ha e been dent f ed b the aborator , and no nformat on or data ha e been no ng thhe d that ou d affect the ua t of the data

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Tota So ds b Method 2540 -2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.9		1	09/20/2024 12:45	WG2366321

Mercur b Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0704		0.0188	0.0417	1	09/21/2024 11:03	WG2366424

Meta s ICP b Method 6010

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.30		0.540	2.08	1	09/23/2024 16:54	WG2366513
Barium	157		0.0888	0.521	1	09/23/2024 16:54	WG2366513
Cadmium	0.308		0.0491	0.521	1	09/23/2024 16:54	WG2366513
Chromium	22.6		0.139	1.04	1	09/23/2024 16:54	WG2366513
Lead	8.84		0.217	0.521	1	09/23/2024 16:54	WG2366513
Selenium	U		0.796	2.08	1	09/23/2024 16:54	WG2366513
Silver	U		0.132	1.04	1	09/23/2024 16:54	WG2366513

o at e rgan c Compounds C b Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.82		0.928	2.80	25.8	09/20/2024 02:48	WG2366163
(S) a,a,a-Trifluorotoluene(FID)	*99.0*			*77.0-120*		*09/20/2024 02:48*	WG2366163

o at e rgan c Compounds C/MS b Method 8260

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	4	0.0407	0.0558	1.03	09/20/2024 00:56	WG2366229
Acrylonitrile	U		0.00403	0.0140	1.03	09/20/2024 00:56	WG2366229
Benzene	U		0.000521	0.00112	1.03	09/20/2024 00:56	WG2366229
Bromobenzene	U		0.00100	0.0140	1.03	09/20/2024 00:56	WG2366229
Bromodichloromethane	U		0.000809	0.00280	1.03	09/20/2024 00:56	WG2366229
Bromoform	U		0.00131	0.0280	1.03	09/20/2024 00:56	WG2366229
Bromomethane	U		0.00220	0.0140	1.03	09/20/2024 00:56	WG2366229
n-Butylbenzene	U		0.00586	0.0140	1.03	09/20/2024 00:56	WG2366229
sec-Butylbenzene	U	4	0.00322	0.0140	1.03	09/20/2024 00:56	WG2366229
tert-Butylbenzene	U	4	0.00218	0.00558	1.03	09/20/2024 00:56	WG2366229
Carbon tetrachloride	U		0.00100	0.00558	1.03	09/20/2024 00:56	WG2366229
Chlorobenzene	U		0.000234	0.00280	1.03	09/20/2024 00:56	WG2366229
Chlorodibromomethane	U		0.000683	0.00280	1.03	09/20/2024 00:56	WG2366229
Chloroethane	U		0.00190	0.00558	1.03	09/20/2024 00:56	WG2366229
Chloroform	U		0.00115	0.00280	1.03	09/20/2024 00:56	WG2366229
Chloromethane	U		0.00485	0.0140	1.03	09/20/2024 00:56	WG2366229
2-Chlorotoluene	U		0.000965	0.00280	1.03	09/20/2024 00:56	WG2366229
4-Chlorotoluene	U		0.000503	0.00558	1.03	09/20/2024 00:56	WG2366229
1,2-Dibromo-3-Chloropropane	U		0.00436	0.0280	1.03	09/20/2024 00:56	WG2366229
1,2-Dibromoethane	U		0.000723	0.00280	1.03	09/20/2024 00:56	WG2366229
Dibromomethane	U		0.000837	0.00558	1.03	09/20/2024 00:56	WG2366229
1,2-Dichlorobenzene	U		0.000475	0.00558	1.03	09/20/2024 00:56	WG2366229
1,3-Dichlorobenzene	U		0.000670	0.00558	1.03	09/20/2024 00:56	WG2366229
1,4-Dichlorobenzene	U		0.000781	0.00558	1.03	09/20/2024 00:56	WG2366229
Dichlorodifluoromethane	U		0.00180	0.00558	1.03	09/20/2024 00:56	WG2366229
1,1-Dichloroethane	U		0.000548	0.00280	1.03	09/20/2024 00:56	WG2366229

o at e rgan c Compounds C/MS b Method 8260

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.000724	0.00280	1.03	09/20/2024 00:56	WG2366229
1,1-Dichloroethene	U		0.000676	0.00280	1.03	09/20/2024 00:56	WG2366229
cis-1,2-Dichloroethene	U		0.000819	0.00280	1.03	09/20/2024 00:56	WG2366229
trans-1,2-Dichloroethene	U		0.00116	0.00558	1.03	09/20/2024 00:56	WG2366229
1,2-Dichloropropane	U		0.00158	0.00558	1.03	09/20/2024 00:56	WG2366229
1,1-Dichloropropene	U		0.000902	0.00280	1.03	09/20/2024 00:56	WG2366229
1,3-Dichloropropane	U		0.000559	0.00558	1.03	09/20/2024 00:56	WG2366229
cis-1,3-Dichloropropene	U		0.000845	0.00280	1.03	09/20/2024 00:56	WG2366229
trans-1,3-Dichloropropene	U		0.00127	0.00558	1.03	09/20/2024 00:56	WG2366229
2,2-Dichloropropane	U		0.00154	0.00280	1.03	09/20/2024 00:56	WG2366229
Di-isopropyl ether	U		0.000457	0.00112	1.03	09/20/2024 00:56	WG2366229
Ethylbenzene	U		0.000822	0.00280	1.03	09/20/2024 00:56	WG2366229
Hexachloro-1,3-butadiene	U		0.00670	0.0280	1.03	09/20/2024 00:56	WG2366229
Isopropylbenzene	U		0.000475	0.00280	1.03	09/20/2024 00:56	WG2366229
p-Isopropyltoluene	U		0.00285	0.00558	1.03	09/20/2024 00:56	WG2366229
2-Butanone (MEK)	U		0.0709	0.112	1.03	09/20/2024 00:56	WG2366229
Methylene Chloride	U		0.00741	0.0280	1.03	09/20/2024 00:56	WG2366229
4-Methyl-2-pentanone (MIBK)	U		0.00255	0.0280	1.03	09/20/2024 00:56	WG2366229
Methyl tert-butyl ether	U		0.000391	0.00112	1.03	09/20/2024 00:56	WG2366229
Naphthalene	U		0.00545	0.0140	1.03	09/20/2024 00:56	WG2366229
n-Propylbenzene	U		0.00106	0.00558	1.03	09/20/2024 00:56	WG2366229
Styrene	U		0.000256	0.0140	1.03	09/20/2024 00:56	WG2366229
1,1,1,2-Tetrachloroethane	U		0.00106	0.00280	1.03	09/20/2024 00:56	WG2366229
1,1,2,2-Tetrachloroethane	U		0.000776	0.00280	1.03	09/20/2024 00:56	WG2366229
1,1,2-Trichlorotrifluoroethane	U		0.000842	0.00280	1.03	09/20/2024 00:56	WG2366229
Tetrachloroethene	U		0.00100	0.00280	1.03	09/20/2024 00:56	WG2366229
Toluene	U		0.00145	0.00558	1.03	09/20/2024 00:56	WG2366229
1,2,3-Trichlorobenzene	U		0.00818	0.0140	1.03	09/20/2024 00:56	WG2366229
1,2,4-Trichlorobenzene	U		0.00491	0.0140	1.03	09/20/2024 00:56	WG2366229
1,1,1-Trichloroethane	U		0.00103	0.00280	1.03	09/20/2024 00:56	WG2366229
1,1,2-Trichloroethane	U		0.000666	0.00280	1.03	09/20/2024 00:56	WG2366229
Trichloroethene	U		0.000652	0.00112	1.03	09/20/2024 00:56	WG2366229
Trichlorofluoromethane	U		0.000923	0.00280	1.03	09/20/2024 00:56	WG2366229
1,2,3-Trichloropropane	U		0.00181	0.0140	1.03	09/20/2024 00:56	WG2366229
1,2,4-Trimethylbenzene	U		0.00177	0.00558	1.03	09/20/2024 00:56	WG2366229
1,2,3-Trimethylbenzene	U		0.00177	0.00558	1.03	09/20/2024 00:56	WG2366229
1,3,5-Trimethylbenzene	U		0.00223	0.00558	1.03	09/20/2024 00:56	WG2366229
Vinyl chloride	U		0.00129	0.00280	1.03	09/20/2024 00:56	WG2366229
Xylenes, Total	U		0.000982	0.00726	1.03	09/20/2024 00:56	WG2366229
(S) Toluene-d8	*102*			*75.0-131*		*09/20/2024 00:56*	WG2366229
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*09/20/2024 00:56*	WG2366229
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*09/20/2024 00:56*	WG2366229

Sem - o at e rgan c Compounds C b Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	12.6		0.764	4.17	1	09/24/2024 16:40	WG2368266
(S) o-Terphenyl	*40.8*			*18.0-148*		*09/24/2024 16:40*	WG2368266

Ch or nated Ac d Herb c des C b Method 8151

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00732	0.0730	1	09/21/2024 22:02	WG2365909
Dalapon	U		0.0118	0.0730	1	09/21/2024 22:02	WG2365909
2,4-DB	U		0.0310	0.0730	1	09/21/2024 22:02	WG2365909
Dicamba	U		0.0164	0.0730	1	09/21/2024 22:02	WG2365909
Dichloroprop	U		0.0255	0.0730	1	09/21/2024 22:02	WG2365909
Dinoseb	U		0.00727	0.0730	1	09/21/2024 22:02	WG2365909
MCPA	U		0.462	6.78	1	09/21/2024 22:02	WG2365909
MCPP	U		0.383	6.78	1	09/21/2024 22:02	WG2365909
2,4,5-T	U		0.00888	0.0730	1	09/21/2024 22:02	WG2365909
2,4,5-TP (Silvex)	U		0.0112	0.0730	1	09/21/2024 22:02	WG2365909
(S) 2,4-Dichlorophenyl Acetic Acid	*74.5*			*22.0-132*		*09/21/2024 22:02*	WG2365909

P Pest c des b Method 8141

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Azinphos-Methyl	U		0.0331	0.104	1	09/21/2024 10:39	WG2365773
Bolstar (Sulprofos)	U		0.0155	0.104	1	09/21/2024 10:39	WG2365773
Chlorpyrifos	U		0.0164	0.104	1	09/21/2024 10:39	WG2365773
Coumaphos	U		0.0253	0.104	1	09/21/2024 10:39	WG2365773
Demeton,-O and -S	U		0.00609	0.0730	1	09/21/2024 10:39	WG2365773
Diazinon	U		0.0235	0.104	1	09/21/2024 10:39	WG2365773
Dichlorvos	U		0.0313	0.104	1	09/21/2024 10:39	WG2365773
Dimethoate	U		0.0348	0.104	1	09/21/2024 10:39	WG2365773
Disulfoton	U		0.0265	0.104	1	09/21/2024 10:39	WG2365773
EPN	U		0.0288	0.104	1	09/21/2024 10:39	WG2365773
Ethoprop	U		0.0123	0.104	1	09/21/2024 10:39	WG2365773
Ethyl Parathion	U		0.0171	0.104	1	09/21/2024 10:39	WG2365773
Fensulfothion	U		0.0368	0.104	1	09/21/2024 10:39	WG2365773
Fenthion	U		0.0139	0.104	1	09/21/2024 10:39	WG2365773
Malathion	U		0.0187	0.104	1	09/21/2024 10:39	WG2365773
Merphos	U		0.0242	0.104	1	09/21/2024 10:39	WG2365773
Methyl parathion	U		0.0212	0.104	1	09/21/2024 10:39	WG2365773
Mevinphos	U		0.0240	0.104	1	09/21/2024 10:39	WG2365773
Naled	U		0.0500	0.104	1	09/21/2024 10:39	WG2365773
Phorate	U		0.0219	0.104	1	09/21/2024 10:39	WG2365773
Ronnel	U		0.0155	0.104	1	09/21/2024 10:39	WG2365773
Stirophos	U		0.0186	0.104	1	09/21/2024 10:39	WG2365773
Sulfotep	U		0.0103	0.104	1	09/21/2024 10:39	WG2365773
TEPP	U		0.164	1.04	1	09/21/2024 10:39	WG2365773
Tokuthion (Prothothiofos)	U		0.0156	0.104	1	09/21/2024 10:39	WG2365773
Trichloronate	U		0.0210	0.104	1	09/21/2024 10:39	WG2365773
(S) Triphenyl Phosphate	*90.0*			*36.0-121*		*09/21/2024 10:39*	WG2365773

Pest c des C b Method 8081

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00392	0.0208	1	09/24/2024 16:11	WG2368272
Alpha BHC	U		0.00384	0.0208	1	09/24/2024 16:11	WG2368272
Beta BHC	U		0.00395	0.0208	1	09/24/2024 16:11	WG2368272
Delta BHC	U		0.00361	0.0208	1	09/24/2024 16:11	WG2368272
Gamma BHC	U		0.00359	0.0208	1	09/24/2024 16:11	WG2368272
4,4-DDD	U		0.00386	0.0208	1	09/24/2024 16:11	WG2368272
4,4-DDE	U		0.00381	0.0208	1	09/24/2024 16:11	WG2368272
4,4-DDT	U		0.00654	0.0208	1	09/24/2024 16:11	WG2368272
Dieldrin	U		0.00359	0.0208	1	09/24/2024 16:11	WG2368272

Pest c des C b Method 8081

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Endosulfan I	U		0.00378	0.0208	1	09/24/2024 16:11	WG2368272
Endosulfan II	U		0.00349	0.0208	1	09/24/2024 16:11	WG2368272
Endosulfan sulfate	U		0.00379	0.0208	1	09/24/2024 16:11	WG2368272
Endrin	U		0.00365	0.0208	1	09/24/2024 16:11	WG2368272
Endrin aldehyde	U		0.00353	0.0208	1	09/24/2024 16:11	WG2368272
Endrin ketone	U		0.00741	0.0208	1	09/24/2024 16:11	WG2368272
Heptachlor	U		0.00446	0.0208	1	09/24/2024 16:11	WG2368272
Heptachlor epoxide	U		0.00353	0.0208	1	09/24/2024 16:11	WG2368272
Hexachlorobenzene	U		0.00361	0.0208	1	09/24/2024 16:11	WG2368272
Methoxychlor	U		0.00504	0.0208	1	09/24/2024 16:11	WG2368272
Chlordane	U		0.107	0.313	1	09/24/2024 16:11	WG2368272
Toxaphene	U		0.129	0.417	1	09/24/2024 16:11	WG2368272
(S) Decachlorobiphenyl	*71.3*			*10.0-135*		*09/24/2024 16:11*	WG2368272
(S) Tetrachloro-m-xylene	*78.3*			*10.0-139*		*09/24/2024 16:11*	WG2368272

Sem o at e rgan c Compounds C/MS b Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0113	0.0694	2	09/24/2024 17:32	WG2367359
Acenaphthylene	U		0.00978	0.0694	2	09/24/2024 17:32	WG2367359
Anthracene	U		0.0124	0.0694	2	09/24/2024 17:32	WG2367359
Benzidine	U		0.130	3.48	2	09/24/2024 17:32	WG2367359
Benzo(a)anthracene	U		0.0122	0.0694	2	09/24/2024 17:32	WG2367359
Benzo(b)fluoranthene	U		0.0129	0.0694	2	09/24/2024 17:32	WG2367359
Benzo(k)fluoranthene	U		0.0123	0.0694	2	09/24/2024 17:32	WG2367359
Benzo(g,h,i)perylene	U		0.0127	0.0694	2	09/24/2024 17:32	WG2367359
Benzo(a)pyrene	U		0.0129	0.0694	2	09/24/2024 17:32	WG2367359
Bis(2-chlorethoxy)methane	U		0.0208	0.694	2	09/24/2024 17:32	WG2367359
Bis(2-chloroethyl)ether	U		0.0229	0.694	2	09/24/2024 17:32	WG2367359
2,2-Oxybis(1-Chloropropane)	U		0.0300	0.694	2	09/24/2024 17:32	WG2367359
4-Bromophenyl-phenylether	U		0.0244	0.694	2	09/24/2024 17:32	WG2367359
2-Chloronaphthalene	U		0.0122	0.0694	2	09/24/2024 17:32	WG2367359
4-Chlorophenyl-phenylether	U		0.0242	0.694	2	09/24/2024 17:32	WG2367359
Chrysene	U		0.0138	0.0694	2	09/24/2024 17:32	WG2367359
Dibenz(a,h)anthracene	U		0.0193	0.0694	2	09/24/2024 17:32	WG2367359
3,3-Dichlorobenzidine	U		0.0256	0.694	2	09/24/2024 17:32	WG2367359
2,4-Dinitrotoluene	U		0.0199	0.694	2	09/24/2024 17:32	WG2367359
2,6-Dinitrotoluene	U		0.0227	0.694	2	09/24/2024 17:32	WG2367359
Fluoranthene	U		0.0125	0.0694	2	09/24/2024 17:32	WG2367359
Fluorene	U		0.0113	0.0694	2	09/24/2024 17:32	WG2367359
Hexachlorobenzene	U		0.0246	0.694	2	09/24/2024 17:32	WG2367359
Hexachloro-1,3-butadiene	U		0.0233	0.694	2	09/24/2024 17:32	WG2367359
Hexachlorocyclopentadiene	U		0.0365	0.694	2	09/24/2024 17:32	WG2367359
Hexachloroethane	U		0.0273	0.694	2	09/24/2024 17:32	WG2367359
Indeno(1,2,3-cd)pyrene	U		0.0196	0.0694	2	09/24/2024 17:32	WG2367359
Isophorone	U		0.0213	0.694	2	09/24/2024 17:32	WG2367359
Naphthalene	U		0.0174	0.0694	2	09/24/2024 17:32	WG2367359
Nitrobenzene	U		0.0242	0.694	2	09/24/2024 17:32	WG2367359
n-Nitrosodimethylamine	U		0.103	0.694	2	09/24/2024 17:32	WG2367359
n-Nitrosodiphenylamine	U		0.0525	0.694	2	09/24/2024 17:32	WG2367359
n-Nitrosodi-n-propylamine	U		0.0231	0.694	2	09/24/2024 17:32	WG2367359
Phenanthrene	U		0.0138	0.0694	2	09/24/2024 17:32	WG2367359
Benzylbutyl phthalate	U		0.0217	0.694	2	09/24/2024 17:32	WG2367359
Bis(2-ethylhexyl)phthalate	U		0.0880	0.694	2	09/24/2024 17:32	WG2367359
Di-n-butyl phthalate	U		0.0238	0.694	2	09/24/2024 17:32	WG2367359
Diethyl phthalate	U		0.0229	0.694	2	09/24/2024 17:32	WG2367359

Sem o at e rgan c Compounds C/MS b Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dimethyl phthalate	U		0.147	0.694	2	09/24/2024 17:32	WG2367359
Di-n-octyl phthalate	U		0.0469	0.694	2	09/24/2024 17:32	WG2367359
Pyrene	U		0.0136	0.0694	2	09/24/2024 17:32	WG2367359
1,2,4-Trichlorobenzene	U		0.0217	0.694	2	09/24/2024 17:32	WG2367359
4-Chloro-3-methylphenol	U		0.0225	0.694	2	09/24/2024 17:32	WG2367359
2-Chlorophenol	U		0.0229	0.694	2	09/24/2024 17:32	WG2367359
2,4-Dichlorophenol	U		0.0202	0.694	2	09/24/2024 17:32	WG2367359
2,4-Dimethylphenol	U		0.0181	0.694	2	09/24/2024 17:32	WG2367359
4,6-Dinitro-2-methylphenol	U		0.157	0.694	2	09/24/2024 17:32	WG2367359
2,4-Dinitrophenol	U		0.163	0.694	2	09/24/2024 17:32	WG2367359
2-Nitrophenol	U		0.0248	0.694	2	09/24/2024 17:32	WG2367359
4-Nitrophenol	U		0.0217	0.694	2	09/24/2024 17:32	WG2367359
Pentachlorophenol	U		0.0187	0.694	2	09/24/2024 17:32	WG2367359
Phenol	U		0.0279	0.694	2	09/24/2024 17:32	WG2367359
2,4,6-Trichlorophenol	U		0.0223	0.694	2	09/24/2024 17:32	WG2367359
(S) 2-Fluorophenol	*76.7*			*12.0-120*		*09/24/2024 17:32*	WG2367359
(S) Phenol-d5	*70.1*			*10.0-120*		*09/24/2024 17:32*	WG2367359
(S) Nitrobenzene-d5	*67.3*			*10.0-122*		*09/24/2024 17:32*	WG2367359
(S) 2-Fluorobiphenyl	*66.7*			*15.0-120*		*09/24/2024 17:32*	WG2367359
(S) 2,4,6-Tribromophenol	*75.4*			*10.0-127*		*09/24/2024 17:32*	WG2367359
(S) p-Terphenyl-d14	*76.0*			*10.0-120*		*09/24/2024 17:32*	WG2367359

Sample Narrative:

L1779418-01 WG2367359: Dilution due to matrix impact during extract concentration procedure.

Method an M

M 4122725-1 09/20/24 12:45

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

L1779406-04 r g na Samp e S up cate UP

S L1779406-04 09/20/24 12:45 UP 4122725-3 09/20/24 12:45

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.5	83.6	1	0.128		10

Laborator Contro Samp e LCS

LCS 4122725-2 09/20/24 12:45

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method an M

M 4122658-1 09/21/24 09:55

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

Laborator Contro Samp e LCS

LCS 4122658-2 09/21/24 09:58

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.519	104	80.0-120	

L1778742-06 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1778742-06 09/21/24 10:00 MS 4122658-4 09/21/24 10:05 MS 4122658-5 09/21/24 10:08

	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
Analyte	mg/kg				%	%		%			%	%
Mercury	0.744	0.0963	0.838	0.868	99.7	104	1	75.0-125			3.57	20

Method an M

M 4122990-1 09/23/24 00:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Barium	0.154	_	0.0852	0.500
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Selenium	U		0.764	2.00
Silver	U		0.127	1.00

Method an M

M 4123267-1 09/23/24 16:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Barium	0.139	_	0.0852	0.500
Cadmium	0.0534	_	0.0471	0.500
Chromium	U		0.133	1.00
Lead	U		0.208	0.500
Selenium	U		0.764	2.00
Silver	U		0.127	1.00

Laborator Contro Samp e LCS

LCS 4122990-2 09/23/24 00:25

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Barium	100	107	107	80.0-120	
Cadmium	100	100	100	80.0-120	
Chromium	100	107	107	80.0-120	
Selenium	100	102	102	80.0-120	
Silver	20.0	19.6	98.0	80.0-120	

Laborator Contro Samp e LCS

LCS 4123267-2 09/23/24 16:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	99.7	99.7	80.0-120	
Barium	100	103	103	80.0-120	
Cadmium	100	102	102	80.0-120	
Chromium	100	103	103	80.0-120	

Laborator Contro Samp e LCS

LCS 4123267-2 09/23/24 16:24

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Lead	100	101	101	80.0-120	
Selenium	100	99.0	99.0	80.0-120	
Silver	20.0	19.8	99.2	80.0-120	

L1779142-02 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1779142-02 09/23/24 00:28 MS 4122990-5 09/23/24 00:36 MS 4122990-6 09/23/24 00:39

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 %
Barium	121	53.1	181	181	106	106	1	75.0-125			0.0508	20
Cadmium	121	U	104	109	85.9	90.5	1	75.0-125			5.26	20
Chromium	121	8.32	121	124	93.1	95.7	1	75.0-125			2.59	20
Selenium	121	U	94.2	81.6	78.0	67.6	1	75.0-125		6	14.4	20
Silver	24.2	U	20.2	21.6	83.5	89.3	1	75.0-125			6.74	20

L1779142-02 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1779142-02 09/23/24 16:26 MS 4123267-5 09/23/24 16:31 MS 4123267-6 09/23/24 16:33

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 %
Arsenic	121	1.34	101	99.1	82.6	80.9	1	75.0-125			2.05	20
Lead	121	18.3	129	129	91.9	91.6	1	75.0-125			0.290	20

Method an M

M 4123046-2 09/20/24 01:08

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	2.00	_	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*77.0-120*

Laborator Contro Samp e LCS

LCS 4123046-1 09/19/24 23:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.12	82.4	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*77.0-120*	

L1778548-03 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1778548-03 09/20/24 08:20 MS 4123046-3 09/20/24 09:14 MS 4123046-4 09/20/24 09:39

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 %
TPHG C5 - C12	172	10.9	154	142	83.1	75.9	25	10.0-141			8.46	29
(S) a,a,a-Trifluorotoluene(FID)					*106*	*106*		*77.0-120*				

Method an M

M 4122937-2 09/19/24 23:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method an M

M 4122937-2 09/19/24 23:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*97.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Laborator Contro Samp e LCS

LCS 4122937-1 09/19/24 22:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	1.25	200	10.0-160	4
Acrylonitrile	0.625	0.951	152	45.0-153	
Benzene	0.125	0.110	88.0	70.0-123	
Bromobenzene	0.125	0.105	84.0	73.0-121	
Bromodichloromethane	0.125	0.115	92.0	73.0-121	

Laborator Contro Samp e LCS

LCS 4122937-1 09/19/24 22:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	0.125	0.0908	72.6	64.0-132	
Bromomethane	0.125	0.0959	76.7	56.0-147	
n-Butylbenzene	0.125	0.0888	71.0	68.0-135	
sec-Butylbenzene	0.125	0.0907	72.6	74.0-130	4
tert-Butylbenzene	0.125	0.0914	73.1	75.0-127	4
Carbon tetrachloride	0.125	0.111	88.8	66.0-128	
Chlorobenzene	0.125	0.111	88.8	76.0-128	
Chlorodibromomethane	0.125	0.103	82.4	74.0-127	
Chloroethane	0.125	0.127	102	61.0-134	
Chloroform	0.125	0.115	92.0	72.0-123	
Chloromethane	0.125	0.164	131	51.0-138	
2-Chlorotoluene	0.125	0.103	82.4	75.0-124	
4-Chlorotoluene	0.125	0.0989	79.1	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.0873	69.8	59.0-130	
1,2-Dibromoethane	0.125	0.113	90.4	74.0-128	
Dibromomethane	0.125	0.122	97.6	75.0-122	
1,2-Dichlorobenzene	0.125	0.108	86.4	76.0-124	
1,3-Dichlorobenzene	0.125	0.102	81.6	76.0-125	
1,4-Dichlorobenzene	0.125	0.102	81.6	77.0-121	
Dichlorodifluoromethane	0.125	0.114	91.2	43.0-156	
1,1-Dichloroethane	0.125	0.136	109	70.0-127	
1,2-Dichloroethane	0.125	0.126	101	65.0-131	
1,1-Dichloroethene	0.125	0.138	110	65.0-131	
cis-1,2-Dichloroethene	0.125	0.116	92.8	73.0-125	
trans-1,2-Dichloroethene	0.125	0.105	84.0	71.0-125	
1,2-Dichloropropane	0.125	0.147	118	74.0-125	
1,1-Dichloropropene	0.125	0.118	94.4	73.0-125	
1,3-Dichloropropane	0.125	0.119	95.2	80.0-125	
cis-1,3-Dichloropropene	0.125	0.113	90.4	76.0-127	
trans-1,3-Dichloropropene	0.125	0.108	86.4	73.0-127	
2,2-Dichloropropane	0.125	0.0950	76.0	59.0-135	
Di-isopropyl ether	0.125	0.170	136	60.0-136	
Ethylbenzene	0.125	0.105	84.0	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.0844	67.5	57.0-150	
Isopropylbenzene	0.125	0.100	80.0	72.0-127	
p-Isopropyltoluene	0.125	0.0912	73.0	72.0-133	
2-Butanone (MEK)	0.625	0.914	146	30.0-160	
Methylene Chloride	0.125	0.123	98.4	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.866	139	56.0-143	
Methyl tert-butyl ether	0.125	0.122	97.6	66.0-132	

Laborator Contro Samp e LCS

LCS 4122937-1 09/19/24 22:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.125	0.0847	67.8	59.0-130	
n-Propylbenzene	0.125	0.0965	77.2	74.0-126	
Styrene	0.125	0.105	84.0	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.110	88.0	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0985	78.8	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.124	99.2	61.0-139	
Tetrachloroethene	0.125	0.114	91.2	70.0-136	
Toluene	0.125	0.105	84.0	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.0919	73.5	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.0962	77.0	62.0-137	
1,1,1-Trichloroethane	0.125	0.118	94.4	69.0-126	
1,1,2-Trichloroethane	0.125	0.112	89.6	78.0-123	
Trichloroethene	0.125	0.133	106	76.0-126	
Trichlorofluoromethane	0.125	0.108	86.4	61.0-142	
1,2,3-Trichloropropane	0.125	0.117	93.6	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.0946	75.7	70.0-126	
1,2,3-Trimethylbenzene	0.125	0.0961	76.9	74.0-124	
1,3,5-Trimethylbenzene	0.125	0.0967	77.4	73.0-127	
Vinyl chloride	0.125	0.113	90.4	63.0-134	
Xylenes, Total	0.375	0.312	83.2	72.0-127	
(S) Toluene-d8			*99.2*	*75.0-131*	
(S) 4-Bromofluorobenzene			*104*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*111*	*70.0-130*	

L1778061-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1778061-01 09/20/24 03:07 MS 4122937-3 09/20/24 05:35 MS 4122937-4 09/20/24 05:54

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 %
Acetone	0.957	U	0.756	1.61	79.0	168	1.02	10.0-160		3 5	71.9	40
Acrylonitrile	0.957	U	0.900	1.32	94.0	138	1.02	10.0-160			37.7	40
Benzene	0.192	U	0.194	0.206	101	107	1.02	10.0-149			6.02	37
Bromobenzene	0.192	U	0.189	0.194	98.4	101	1.02	10.0-156			2.35	38
Bromodichloromethane	0.192	U	0.188	0.197	97.7	102	1.02	10.0-143			4.69	37
Bromoform	0.192	U	0.164	0.161	85.2	83.6	1.02	10.0-146			1.85	36
Bromomethane	0.192	U	0.155	0.161	80.5	83.6	1.02	10.0-149			3.81	38
n-Butylbenzene	0.192	U	0.146	0.173	75.8	89.8	1.02	10.0-160			17.0	40
sec-Butylbenzene	0.192	U	0.156	0.182	81.3	94.5	1.02	10.0-159			15.1	39
tert-Butylbenzene	0.192	U	0.153	0.180	79.7	93.7	1.02	10.0-156			16.2	39

L1778061-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1778061-01 09/20/24 03:07 MS 4122937-3 09/20/24 05:35 MS 4122937-4 09/20/24 05:54

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 %
Carbon tetrachloride	0.192	U	0.192	0.233	100	121	1.02	10.0-145			19.1	37
Chlorobenzene	0.192	U	0.191	0.210	99.2	109	1.02	10.0-152			9.74	39
Chlorodibromomethane	0.192	U	0.177	0.174	92.2	90.6	1.02	10.0-146			1.71	37
Chloroethane	0.192	U	0.189	0.212	98.4	110	1.02	10.0-146			11.2	40
Chloroform	0.192	U	0.191	0.197	99.2	102	1.02	10.0-146			3.10	37
Chloromethane	0.192	U	0.282	0.345	147	180	1.02	10.0-159		5	20.1	37
2-Chlorotoluene	0.192	U	0.176	0.195	91.4	102	1.02	10.0-159			10.5	38
4-Chlorotoluene	0.192	U	0.173	0.192	89.8	100	1.02	10.0-155			10.7	39
1,2-Dibromo-3-Chloropropane	0.192	U	0.146	0.130	76.2	67.7	1.02	10.0-151			11.8	39
1,2-Dibromoethane	0.192	U	0.194	0.200	101	104	1.02	10.0-148			3.05	34
Dibromomethane	0.192	U	0.186	0.185	96.9	96.1	1.02	10.0-147			0.810	35
1,2-Dichlorobenzene	0.192	U	0.185	0.192	96.1	100	1.02	10.0-155			3.98	37
1,3-Dichlorobenzene	0.192	U	0.176	0.189	91.4	98.4	1.02	10.0-153			7.41	38
1,4-Dichlorobenzene	0.192	U	0.180	0.191	93.7	99.2	1.02	10.0-151			5.67	38
Dichlorodifluoromethane	0.192	U	0.177	0.242	92.2	126	1.02	10.0-160			30.8	35
1,1-Dichloroethane	0.192	U	0.233	0.263	121	137	1.02	10.0-147			12.1	37
1,2-Dichloroethane	0.192	U	0.182	0.179	94.5	93.0	1.02	10.0-148			1.67	35
1,1-Dichloroethene	0.192	U	0.240	0.297	125	155	1.02	10.0-155			21.2	37
cis-1,2-Dichloroethene	0.192	U	0.180	0.192	93.7	100	1.02	10.0-149			6.45	37
trans-1,2-Dichloroethene	0.192	U	0.182	0.221	94.5	115	1.02	10.0-150			19.4	37
1,2-Dichloropropane	0.192	U	0.242	0.263	126	137	1.02	10.0-148			8.33	37
1,1-Dichloropropene	0.192	U	0.198	0.228	103	119	1.02	10.0-153			14.1	35
1,3-Dichloropropane	0.192	U	0.200	0.201	104	105	1.02	10.0-154			0.749	35
cis-1,3-Dichloropropene	0.192	U	0.194	0.203	101	105	1.02	10.0-151			4.55	37
trans-1,3-Dichloropropene	0.192	U	0.189	0.197	98.4	102	1.02	10.0-148			3.89	37
2,2-Dichloropropane	0.192	U	0.185	0.195	96.1	102	1.02	10.0-138			5.53	36
Di-isopropyl ether	0.192	U	0.273	0.270	142	141	1.02	10.0-147			1.10	36
Ethylbenzene	0.192	U	0.170	0.201	88.3	105	1.02	10.0-160			17.0	38
Hexachloro-1,3-butadiene	0.192	U	0.135	0.173	70.5	89.8	1.02	10.0-160			24.1	40
Isopropylbenzene	0.192	U	0.164	0.194	85.2	101	1.02	10.0-155			16.8	38
p-Isopropyltoluene	0.192	U	0.155	0.183	80.5	95.3	1.02	10.0-160			16.9	40
2-Butanone (MEK)	0.957	U	1.29	1.13	135	118	1.02	10.0-160			13.4	40
Methylene Chloride	0.192	0.0103	0.219	0.255	109	127	1.02	10.0-141			15.2	37
4-Methyl-2-pentanone (MIBK)	0.957	U	1.29	1.25	135	131	1.02	10.0-160			2.95	35
Methyl tert-butyl ether	0.192	U	0.167	0.167	86.7	86.7	1.02	11.0-147			0.000	35
Naphthalene	0.192	U	0.119	0.142	62.1	73.8	1.02	10.0-160			17.1	36
n-Propylbenzene	0.192	U	0.168	0.191	87.5	99.2	1.02	10.0-158			12.6	38
Styrene	0.192	U	0.173	0.191	89.8	99.2	1.02	10.0-160			9.92	40
1,1,1,2-Tetrachloroethane	0.192	U	0.180	0.191	93.7	99.2	1.02	10.0-149			5.67	39

L1778061-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1778061-01 09/20/24 03:07 MS 4122937-3 09/20/24 05:35 MS 4122937-4 09/20/24 05:54

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 %
1,1,2,2-Tetrachloroethane	0.192	U	0.167	0.164	86.7	85.2	1.02	10.0-160			1.82	35
1,1,2-Trichlorotrifluoroethane	0.192	U	0.201	0.270	105	141	1.02	10.0-160			29.3	36
Tetrachloroethene	0.192	U	0.185	0.219	96.1	114	1.02	10.0-156			17.1	39
Toluene	0.192	U	0.182	0.206	94.5	107	1.02	10.0-156			12.4	38
1,2,3-Trichlorobenzene	0.192	U	0.124	0.156	64.5	81.3	1.02	10.0-160			23.1	40
1,2,4-Trichlorobenzene	0.192	U	0.150	0.176	77.9	91.4	1.02	10.0-160			16.0	40
1,1,1-Trichloroethane	0.192	U	0.198	0.242	103	126	1.02	10.0-144			19.8	35
1,1,2-Trichloroethane	0.192	U	0.135	0.138	70.5	72.1	1.02	10.0-160			2.19	35
Trichloroethene	0.192	U	0.224	0.261	116	136	1.02	10.0-156			15.5	38
Trichlorofluoromethane	0.192	U	0.186	0.234	96.9	122	1.02	10.0-160			22.9	40
1,2,3-Trichloropropane	0.192	U	0.203	0.197	105	102	1.02	10.0-156			3.01	35
1,2,4-Trimethylbenzene	0.192	U	0.161	0.180	83.6	93.7	1.02	10.0-160			11.5	36
1,2,3-Trimethylbenzene	0.192	U	0.167	0.180	86.7	93.7	1.02	10.0-160			7.79	36
1,3,5-Trimethylbenzene	0.192	U	0.170	0.186	88.3	96.9	1.02	10.0-160			9.28	38
Vinyl chloride	0.192	U	0.158	0.189	82.0	98.4	1.02	10.0-160			18.2	37
Xylenes, Total	0.575	0.00138	0.518	0.590	89.8	102	1.02	10.0-160			13.0	38
(S) Toluene-d8					*101*	*101*		*75.0-131*				
(S) 4-Bromofluorobenzene					*101*	*104*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*102*	*102*		*70.0-130*				

Method an M

M 4123782-1 09/24/24 13:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
(S) o-Terphenyl	*55.6*			*18.0-148*

Laborator Contro Samp e LCS

LCS 4123782-2 09/24/24 13:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	50.0	25.6	51.2	50.0-150	
(S) o-Terphenyl			*46.7*	*18.0-148*	

L1779902-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1779902-01 09/24/24 22:18 MS 4123782-3 09/24/24 22:32 MS 4123782-4 09/24/24 22:45

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 %
C12-C22 Hydrocarbons	47.8	3.41	23.7	9.05	42.4	11.8	1	50.0-150	6	3 6	89.4	20
(S) o-Terphenyl					*32.8*	*17.1*		*18.0-148*		2		

Method an M

M 4123287-1 09/21/24 16:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2,4-D	U		0.00702	0.0700
Dalapon	U		0.0113	0.0700
2,4-DB	U		0.0297	0.0700
Dicamba	U		0.0157	0.0700
Dichloroprop	U		0.0245	0.0700
Dinoseb	U		0.00697	0.0700
MCPA	U		0.443	6.50
MCPP	U		0.367	6.50
2,4,5-T	U		0.00852	0.0700
2,4,5-TP (Silvex)	U		0.0107	0.0700
(S) 2,4-Dichlorophenyl Acetic Acid	*73.1*			*22.0-132*

Laborator Contro Samp e LCS

LCS 4123287-2 09/21/24 16:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4-D	0.0833	0.0700	84.0	40.0-120	
Dalapon	0.0833	0.0720	86.4	15.0-120	
2,4-DB	0.0833	0.0604	72.5	25.0-143	
Dicamba	0.0833	0.0558	67.0	43.0-120	
Dichloroprop	0.0833	0.0579	69.5	32.0-129	
Dinoseb	0.0833	0.0190	22.8	10.0-120	
MCPA	8.33	8.15	97.8	31.0-121	
MCPP	8.33	4.54	54.5	28.0-133	
2,4,5-T	0.0833	0.0649	77.9	41.0-120	
2,4,5-TP (Silvex)	0.0833	0.0555	66.6	42.0-120	
(S) 2,4-Dichlorophenyl Acetic Acid			*65.9*	*22.0-132*	

L1778392-18 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1778392-18 09/21/24 20:08 MS 4123287-3 09/21/24 20:20 MS 4123287-4 09/21/24 20:31

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 %
2,4-D	0.167	U	0.194	0.217	116	128	1	10.0-160	P	P	11.1	24
Dalapon	0.167	U	0.125	0.123	75.3	72.7	1	10.0-121			2.28	27
2,4-DB	0.167	U	0.287	0.725	173	430	1	10.0-160	5 P	E 3 5 P	86.4	22

CONFIDENTIAL
No reliance without separate reliance agreement.

L1778392-18 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1778392-18 09/21/24 20:08 MS 4123287-3 09/21/24 20:20 MS 4123287-4 09/21/24 20:31

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	%	%		%			%	%
Dicamba	0.167	U	0.120	0.119	72.1	70.6	1	10.0-154			0.847	21
Dichloroprop	0.167	U	0.128	0.119	76.8	70.3	1	10.0-158			7.55	20
Dinoseb	0.167	U	0.122	0.116	73.1	68.9	1	10.0-120			4.76	40
MCPA	16.7	U	16.6	16.3	99.6	96.4	1	10.0-160		P	2.09	40
MCPP	16.7	U	10.8	11.0	65.1	65.2	1	10.0-160			1.30	40
2,4,5-T	0.167	U	0.124	0.120	74.5	71.1	1	10.0-157			3.49	20
2,4,5-TP (Silvex)	0.167	U	0.103	0.100	61.8	59.4	1	10.0-156			2.79	20
(S) 2,4-Dichlorophenyl Acetic Acid					*71.5*	*73.1*		*22.0-132*				

Method an M

M 4122767-1 09/21/24 00:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Azinphos-Methyl	U		0.0318	0.100
Bolstar (Sulprofos)	U		0.0149	0.100
Chlorpyrifos	U		0.0157	0.100
Coumaphos	U		0.0243	0.100
Demeton,-O and -S	U		0.00584	0.0700
Diazinon	U		0.0225	0.100
Dichlorvos	U		0.0300	0.100
Dimethoate	U		0.0334	0.100
Disulfoton	U		0.0254	0.100
EPN	U		0.0276	0.100
Ethoprop	U		0.0118	0.100
Ethyl Parathion	U		0.0164	0.100
Fensulfothion	U		0.0353	0.100
Fenthion	U		0.0133	0.100
Malathion	U		0.0179	0.100
Merphos	U		0.0232	0.100
Methyl parathion	U		0.0203	0.100
Mevinphos	U		0.0230	0.100
Naled	U		0.0480	0.100
Phorate	U		0.0210	0.100
Ronnel	U		0.0149	0.100
Stirophos	U		0.0178	0.100
Sulfotep	U		0.00986	0.100
TEPP	U		0.157	1.00
Tokuthion (Prothothiofos)	U		0.0150	0.100
Trichloronate	U		0.0201	0.100
(S) Triphenyl Phosphate	*91.3*			*36.0-121*

Laborator Contro Samp e LCS

LCS 4122767-2 09/21/24 01:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Azinphos-Methyl	0.333	0.296	88.9	58.0-125	
Bolstar (Sulprofos)	0.333	0.284	85.3	64.0-120	
Chlorpyrifos	0.333	0.302	90.7	62.0-120	
Coumaphos	0.333	0.306	91.9	60.0-120	
Demeton,-O and -S	0.167	0.148	88.6	59.0-120	
Diazinon	0.333	0.276	82.9	49.0-120	

Laborator Contro Samp e LCS

LCS 4122767-2 09/21/24 01:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dichlorvos	0.333	0.196	58.9	37.0-120	
Dimethoate	0.333	0.282	84.7	46.0-127	
Disulfoton	0.333	0.289	86.8	60.0-121	
EPN	0.333	0.282	84.7	60.0-121	
Ethoprop	0.333	0.296	88.9	59.0-120	
Ethyl Parathion	0.333	0.316	94.9	62.0-120	
Fensulfothion	0.333	0.274	82.3	58.0-123	
Fenthion	0.333	0.284	85.3	61.0-121	
Malathion	0.333	0.311	93.4	59.0-120	
Merphos	0.333	0.248	74.5	59.0-120	
Methyl parathion	0.333	0.286	85.9	63.0-120	
Mevinphos	0.333	0.234	70.3	50.0-120	
Naled	0.333	0.149	44.7	10.0-125	
Phorate	0.333	0.287	86.2	60.0-120	
Ronnel	0.333	0.282	84.7	62.0-120	
Stirophos	0.333	0.285	85.6	62.0-120	
Sulfotep	0.333	0.361	108	62.0-122	
TEPP	3.33	1.40	42.0	10.0-135	
Tokuthion (Prothothiofos)	0.333	0.291	87.4	63.0-120	
Trichloronate	0.333	0.307	92.2	62.0-120	
(S) Triphenyl Phosphate			*90.7*	*36.0-121*	

Method an M

M 4123878-1 09/24/24 14:23

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	*87.7*			*10.0-135*
(S) Tetrachloro-m-xylene	*89.3*			*10.0-139*

Laborator Contro Samp e LCS

LCS 4123878-2 09/24/24 14:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aldrin	0.0666	0.0627	94.1	34.0-136	
Alpha BHC	0.0666	0.0620	93.1	34.0-139	
Beta BHC	0.0666	0.0599	89.9	34.0-133	
Delta BHC	0.0666	0.0507	76.1	34.0-135	
Gamma BHC	0.0666	0.0628	94.3	34.0-136	
4,4-DDD	0.0666	0.0644	96.7	33.0-141	
4,4-DDE	0.0666	0.0634	95.2	34.0-134	
4,4-DDT	0.0666	0.0631	94.7	30.0-143	
Dieldrin	0.0666	0.0639	95.9	35.0-137	
Endosulfan I	0.0666	0.0619	92.9	34.0-134	

Laborator Contro Samp e LCS

LCS 4123878-2 09/24/24 14:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endosulfan II	0.0666	0.0622	93.4	35.0-132	
Endosulfan sulfate	0.0666	0.0605	90.8	35.0-132	
Endrin	0.0666	0.0640	96.1	34.0-137	
Endrin aldehyde	0.0666	0.0602	90.4	23.0-121	
Endrin ketone	0.0666	0.0606	91.0	35.0-144	
Heptachlor	0.0666	0.0633	95.0	36.0-141	
Heptachlor epoxide	0.0666	0.0635	95.3	36.0-134	
Hexachlorobenzene	0.0666	0.0585	87.8	33.0-129	
Methoxychlor	0.0666	0.0614	92.2	28.0-150	
(S) Decachlorobiphenyl			*89.2*	*10.0-135*	
(S) Tetrachloro-m-xylene			*93.2*	*10.0-139*	

L1779430-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1779430-01 09/24/24 14:53 MS 4123878-3 09/24/24 15:02 MS 4123878-4 09/24/24 15:12

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	0.0681	U	0.0539	0.0527	79.0	77.0	1	20.0-135			2.12	37
Alpha BHC	0.0681	U	0.0522	0.0539	76.6	78.7	1	27.0-140			3.10	35
Beta BHC	0.0681	U	0.0498	0.0496	73.2	72.5	1	23.0-141			0.413	37
Delta BHC	0.0681	U	0.0430	0.0433	63.0	63.2	1	21.0-138			0.715	35
Gamma BHC	0.0681	U	0.0531	0.0542	78.0	79.1	1	27.0-137			1.92	36
4,4-DDD	0.0681	U	0.0517	0.0510	75.9	74.5	1	15.0-152			1.40	39
4,4-DDE	0.0681	U	0.0550	0.0538	80.7	78.5	1	10.0-152			2.27	40
4,4-DDT	0.0681	U	0.0518	0.0518	76.0	75.7	1	10.0-151			0.000	40
Dieldrin	0.0681	U	0.0532	0.0540	78.1	78.8	1	17.0-145			1.34	37
Endosulfan I	0.0681	U	0.0534	0.0544	78.4	79.4	1	20.0-137			1.72	36
Endosulfan II	0.0681	U	0.0507	0.0499	74.4	73.0	1	15.0-141			1.43	37
Endosulfan sulfate	0.0681	U	0.0493	0.0479	72.4	70.0	1	15.0-143			2.96	38
Endrin	0.0681	U	0.0511	0.0521	75.0	76.1	1	19.0-143			1.99	37
Endrin aldehyde	0.0681	U	0.0492	0.0499	72.2	73.0	1	10.0-139			1.45	40
Endrin ketone	0.0681	U	0.0468	0.0477	68.6	69.7	1	17.0-149			1.96	38
Heptachlor	0.0681	U	0.0557	0.0563	81.7	82.3	1	22.0-138			1.10	37
Heptachlor epoxide	0.0681	U	0.0508	0.0511	74.5	74.6	1	22.0-138			0.605	36
Hexachlorobenzene	0.0681	U	0.0515	0.0526	75.6	76.9	1	25.0-126			2.17	35
Methoxychlor	0.0681	U	0.0547	0.0526	80.2	76.9	1	10.0-159			3.83	40
(S) Decachlorobiphenyl					*66.7*	*74.2*		*10.0-135*				
(S) Tetrachloro-m-xylene					*70.9*	*80.2*		*10.0-139*				

Method an M

M 4123820-2 09/24/24 10:44

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
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
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
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
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
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
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	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

Method an M

M 4123820-2 09/24/24 10:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	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
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*75.7*			*12.0-120*
(S) Phenol-d5	*67.1*			*10.0-120*
(S) Nitrobenzene-d5	*66.4*			*10.0-122*
(S) 2-Fluorobiphenyl	*66.1*			*15.0-120*
(S) 2,4,6-Tribromophenol	*61.0*			*10.0-127*
(S) p-Terphenyl-d14	*82.0*			*10.0-120*

Laborator Contro Samp e LCS

LCS 4123820-1 09/24/24 10:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.428	64.3	38.0-120	
Acenaphthylene	0.666	0.432	64.9	40.0-120	
Anthracene	0.666	0.497	74.6	42.0-120	
Benzidine	1.33	0.595	44.7	10.0-120	
Benzo(a)anthracene	0.666	0.524	78.7	44.0-120	
Benzo(b)fluoranthene	0.666	0.528	79.3	43.0-120	
Benzo(k)fluoranthene	0.666	0.546	82.0	44.0-120	
Benzo(g,h,i)perylene	0.666	0.491	73.7	43.0-120	
Benzo(a)pyrene	0.666	0.549	82.4	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.372	55.9	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.384	57.7	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.393	59.0	23.0-120	
4-Bromophenyl-phenylether	0.666	0.486	73.0	40.0-120	
2-Chloronaphthalene	0.666	0.412	61.9	35.0-120	

Laborator Contro Samp e LCS

LCS 4123820-1 09/24/24 10:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	0.666	0.448	67.3	40.0-120	
Chrysene	0.666	0.531	79.7	43.0-120	
Dibenz(a,h)anthracene	0.666	0.533	80.0	44.0-120	
3,3-Dichlorobenzidine	1.33	0.991	74.5	28.0-120	
2,4-Dinitrotoluene	0.666	0.547	82.1	45.0-120	
2,6-Dinitrotoluene	0.666	0.505	75.8	42.0-120	
Fluoranthene	0.666	0.528	79.3	44.0-120	
Fluorene	0.666	0.470	70.6	41.0-120	
Hexachlorobenzene	0.666	0.468	70.3	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.344	51.7	15.0-120	
Hexachlorocyclopentadiene	0.666	0.235	35.3	15.0-120	
Hexachloroethane	0.666	0.379	56.9	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.498	74.8	45.0-120	
Isophorone	0.666	0.358	53.8	23.0-120	
Naphthalene	0.666	0.338	50.8	18.0-120	
Nitrobenzene	0.666	0.378	56.8	17.0-120	
n-Nitrosodimethylamine	0.666	0.493	74.0	10.0-125	
n-Nitrosodiphenylamine	0.666	0.488	73.3	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.419	62.9	26.0-120	
Phenanthrene	0.666	0.496	74.5	42.0-120	
Benzylbutyl phthalate	0.666	0.591	88.7	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.582	87.4	41.0-120	
Di-n-butyl phthalate	0.666	0.551	82.7	43.0-120	
Diethyl phthalate	0.666	0.497	74.6	43.0-120	
Dimethyl phthalate	0.666	0.483	72.5	43.0-120	
Di-n-octyl phthalate	0.666	0.578	86.8	40.0-120	
Pyrene	0.666	0.528	79.3	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.339	50.9	17.0-120	
4-Chloro-3-methylphenol	0.666	0.400	60.1	28.0-120	
2-Chlorophenol	0.666	0.417	62.6	28.0-120	
2,4-Dichlorophenol	0.666	0.395	59.3	25.0-120	
2,4-Dimethylphenol	0.666	0.367	55.1	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.645	96.8	16.0-120	
2,4-Dinitrophenol	0.666	0.552	82.9	10.0-120	
2-Nitrophenol	0.666	0.418	62.8	20.0-120	
4-Nitrophenol	0.666	0.549	82.4	27.0-120	
Pentachlorophenol	0.666	0.441	66.2	29.0-120	
Phenol	0.666	0.431	64.7	28.0-120	
2,4,6-Trichlorophenol	0.666	0.426	64.0	37.0-120	
(S) 2-Fluorophenol			*70.0*	*12.0-120*	

Laborator Contro Samp e LCS

LCS 4123820-1 09/24/24 10:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*64.6*	*10.0-120*	
(S) Nitrobenzene-d5			*52.3*	*10.0-122*	
(S) 2-Fluorobiphenyl			*62.8*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*71.9*	*10.0-127*	
(S) p-Terphenyl-d14			*79.0*	*10.0-120*	

L1778896-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1778896-01 09/24/24 13:57 MS 4123820-3 09/24/24 14:18 MS 4123820-4 09/24/24 14:40

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.699	U	0.554	0.559	79.3	80.7	50	18.0-120			0.763	32
Acenaphthylene	0.699	U	0.561	0.564	80.2	81.4	50	25.0-120			0.567	32
Anthracene	0.699	U	0.626	0.624	89.5	90.2	50	22.0-120			0.170	29
Benzidine	1.40	U	U	U	0.000	0.000	50	10.0-120	6	6	0.000	40
Benzo(a)anthracene	0.699	0.534	1.00	0.896	67.0	52.3	50	25.0-120			11.2	29
Benzo(b)fluoranthene	0.699	0.814	1.32	1.23	72.0	60.4	50	19.0-122			6.67	31
Benzo(k)fluoranthene	0.699	U	0.826	0.807	118	117	50	23.0-120			2.34	30
Benzo(g,h,i)perylene	0.699	0.413	0.811	0.696	57.0	40.8	50	10.0-120			15.4	33
Benzo(a)pyrene	0.699	0.603	1.12	1.04	73.3	63.0	50	24.0-120			7.00	30
Bis(2-chlorethoxy)methane	0.699	U	0.563	0.579	80.5	83.6	50	10.0-120			2.79	34
Bis(2-chloroethyl)ether	0.699	U	0.592	0.610	84.7	88.0	50	10.0-120			3.01	40
2,2-Oxybis(1-Chloropropane)	0.699	U	U	U	0.000	0.000	50	10.0-120	6	6	0.000	40
4-Bromophenyl-phenylether	0.699	U	U	U	0.000	0.000	50	27.0-120	6	6	0.000	30
2-Chloronaphthalene	0.699	U	0.557	0.543	79.6	78.4	50	20.0-120			2.51	32
4-Chlorophenyl-phenylether	0.699	U	U	U	0.000	0.000	50	24.0-120	6	6	0.000	29
Chrysene	0.699	0.428	1.06	0.965	90.7	77.6	50	21.0-120			9.53	29
Dibenz(a,h)anthracene	0.699	U	U	U	0.000	0.000	50	10.0-120	6	6	0.000	32
3,3-Dichlorobenzidine	1.40	U	0.987	1.06	70.4	76.9	50	10.0-120			7.36	34
2,4-Dinitrotoluene	0.699	U	U	0.553	0.000	79.9	50	30.0-120	6	3	200	31
2,6-Dinitrotoluene	0.699	U	U	U	0.000	0.000	50	25.0-120	6	6	0.000	31
Fluoranthene	0.699	1.05	1.25	1.08	29.5	5.21	50	18.0-126		6	14.5	32
Fluorene	0.699	U	0.574	0.619	82.1	89.4	50	25.0-120			7.66	30
Hexachlorobenzene	0.699	U	U	U	0.000	0.000	50	27.0-120	6	6	0.000	28
Hexachloro-1,3-butadiene	0.699	U	U	U	0.000	0.000	50	10.0-120	6	6	0.000	38
Hexachlorocyclopentadiene	0.699	U	U	U	0.000	0.000	50	10.0-120	6	6	0.000	40
Hexachloroethane	0.699	U	U	U	0.000	0.000	50	10.0-120	6	6	0.000	40
Indeno(1,2,3-cd)pyrene	0.699	U	0.737	0.646	105	93.3	50	10.0-120			13.2	32
Isophorone	0.699	U	U	0.546	0.000	78.8	50	13.0-120	6	3	200	34

CONFIDENTIAL
No reliance without separate reliance agreement.

L1778896-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1778896-01 09/24/24 13:57 MS 4123820-3 09/24/24 14:18 MS 4123820-4 09/24/24 14:40

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				%	%		%			%	%
Naphthalene	0.699	U	0.544	0.531	77.8	76.7	50	10.0-120			2.37	35
Nitrobenzene	0.699	U	U	U	0.000	0.000	50	10.0-120	6	6	0.000	36
n-Nitrosodimethylamine	0.699	U	U	U	0.000	0.000	50	10.0-127	6	6	0.000	40
n-Nitrosodiphenylamine	0.699	U	U	U	0.000	0.000	50	17.0-120	6	6	0.000	29
n-Nitrosodi-n-propylamine	0.699	U	0.622	U	89.1	0.000	50	10.0-120		3 6	200	37
Phenanthrene	0.699	0.352	0.724	0.665	104	96.0	50	17.0-120			8.56	31
Benzylbutyl phthalate	0.699	U	0.675	0.814	96.7	117	50	23.0-120			18.5	30
Bis(2-ethylhexyl)phthalate	0.699	U	U	U	0.000	0.000	50	17.0-126	6	6	0.000	30
Di-n-butyl phthalate	0.699	U	0.606	0.663	86.8	95.7	50	30.0-120			8.87	29
Diethyl phthalate	0.699	U	0.584	0.669	0.000	96.6	50	26.0-120	6	3	200	28
Dimethyl phthalate	0.699	U	U	U	81.9	81.4	50	25.0-120			1.50	29
Di-n-octyl phthalate	0.699	U	U	U	0.000	0.000	50	21.0-123	6	6	0.000	29
Pyrene	0.699	0.981	1.26	1.06	40.4	11.7	50	16.0-121		6	17.4	32
1,2,4-Trichlorobenzene	0.699	U	0.570	U	81.6	0.000	50	12.0-120		3 6	200	37
4-Chloro-3-methylphenol	0.699	U	0.596	0.593	85.3	85.6	50	15.0-120			0.536	30
2-Chlorophenol	0.699	U	U	U	0.000	0.000	50	15.0-120	6	6	0.000	37
2,4-Dichlorophenol	0.699	U	0.562	0.568	80.4	82.1	50	20.0-120			1.13	31
2,4-Dimethylphenol	0.699	U	0.559	0.563	79.9	81.3	50	10.0-120			0.758	33
4,6-Dinitro-2-methylphenol	0.699	U	U	U	0.000	0.000	50	10.0-120	6	6	0.000	39
2,4-Dinitrophenol	0.699	U	U	U	0.000	0.000	50	10.0-121	6	6	0.000	40
2-Nitrophenol	0.699	U	0.639	U	91.5	0.000	50	12.0-120		3 6	200	39
4-Nitrophenol	0.699	U	U	U	0.000	0.000	50	10.0-137	6	6	0.000	32
Pentachlorophenol	0.699	U	U	U	0.000	0.000	50	10.0-160	6	6	0.000	31
Phenol	0.699	U	U	U	0.000	0.000	50	12.0-120	6	6	0.000	38
2,4,6-Trichlorophenol	0.699	U	U	U	0.000	0.000	50	19.0-120	6	6	0.000	32
(S) 2-Fluorophenol					*82.1*	*85.6*		*12.0-120*	7	7		
(S) Phenol-d5					*81.5*	*77.3*		*10.0-120*	7	7		
(S) Nitrobenzene-d5					*82.7*	*86.2*		*10.0-122*	7	7		
(S) 2-Fluorobiphenyl					*69.6*	*78.2*		*15.0-120*	7	7		
(S) 2,4,6-Tribromophenol					*61.2*	*65.6*		*10.0-127*	7	7		
(S) p-Terphenyl-d14					*88.4*	*92.9*		*10.0-120*	7	7		

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure.

u de to ead ng and Understand ng our Laborator eport

The nformat on be o s des gned to better e p a n the ar ous terms used n our report of ana t ca resu ts from the Laborator Th s s not ntended as a comprehens e e p anat on, and f ou ha e add t ona uest ons p ease contact our project representat e

esu ts sc a mer - Informat on that ma be pro ded b the customer, and conta ned th n th s report, nc ude Perm t L m ts, Project ame, Samp e I , Samp e Matr , Samp e Preser at on, e d an s, e d Sp es, e d up cates, n-S te ata, Samp ng Co ect on ates/T mes, and Samp ng Locat on esu ts re ate to the accurac of th s nformat on pro ded, and as the samp es are rece ed

Abbre at ons and ef n t ons

dr	esu ts are reported based on the dr e ght of the samp e th s on be present on a dr report bas s for so s
M L	Method etect on L m t
M L dr	Method etect on L m t
L	eported etect on L m t
L dr	eported etect on L m t
ec	eco er
P	e at e Percent fference
S	Samp e e er roup
S	Surrogate Surrogate Standard - Ana tes added to e er b an , samp e, Laborator Contro Samp e/ up cate and Matr Sp e/ up cate used to e a uate ana t ca eff c enc b measur ng reco er Surrogates are not e pected to be detected n a en ronmenta med a
U	ot detected at the eport ng L m t or M L here app cab e
Ana te	The name of the part cu ar compound or ana s s performed Some Ana ses and Methods ha e mu t p e ana tes reported
ut on	If the samp e matr conta ns an nterfer ng mater a , the samp e preparat on o ume or e ght a ues d ffer from the standard, or f concentrat ons of ana tes n the samp e are h gher than the h ghest m t of concentrat on that the aborator can accurate report, the samp e ma be d uted for ana s s If a a ue d fferent than 1 s used n th s f e d, the resu t reported has a read been corrected for th s factor
L m ts	These are the target reco er ranges or d fference a ue that the aborator has h stor ca determ ned as norma for the method and ana te be ng reported Successfu C Samp e ana s s target a ana tes reco ered or dup cated th n these ranges
r g na Samp e	The non-sp ed samp e n the prep batch used to determ ne the e at e Percent fference P from a ua t contro samp e The r g na Samp e ma not be nc uded th n the reported S
ua f er	Th s co umn pro des a etter and/or number des gnat on that corresponds to add t ona nformat on concern ng the resu t reported If a ua f er s present, a def n t on per ua f er s pro ded th n the ossar and ef n t ons page and potent a a d scuss on of poss b e mp cat ons of the ua f er n the Case arrat e f app cab e
esu t	The actua ana t ca f na resu t corrected for an samp e spec f c character st cs reported for our samp e If there as no measurab e resu t returned for a spec f c ana te, the resu t n th s co umn ma state ot etected or L e o etectab e Le e s The nformat on n the resu ts co umn shou d a a s be accompan ed b e ther an M L Method etect on L m t or L eport ng etect on L m t that def nes the o est a ue that the aborator cou d detect or report for th s ana te
Uncerta nt ad ochem str	Conf dence e e of 2 s gma
Case arrat e Cn	A br ef d scuss on about the nc uded samp e resu ts, nc ud ng a d scuss on of an non-conformances to protoco obser ed e ther at samp e rece pt b the aborator from the f e d or dur ng the ana t ca process If present, there be a sect on n the Case arrat e to d scuss the mean ng of an data ua f ers used n the report
ua t Contro Summar c	Th s sect on of the report nc udes the resu ts of the aborator ua t contro ana ses re u red b procedure or ana t ca methods to ass st n e a uat ng the a d t of the resu ts reported for our samp es These ana ses are not be ng performed on our samp es t p ca , but on aborator generated mater a
Samp e Cha n of Custod Sc	Th s s the document created n the f e d hen our samp es ere n t a co ected Th s s used to er f the t me and date of co ect on, the person co ect ng the samp es, and the ana ses that the aborator s re uested to perform Th s cha n of custod a so documents a persons e c ud ng commerc a sh ppers that ha e had contro or possess on of the samp es from the t me of co ect on unt de er to the aborator for ana s s
Samp e esu ts Sr	Th s sect on of our report pro de the resu ts of a test ng performed on our samp es These resu ts are pro ded b samp e I and are separated b the ana ses performed on each samp e The header ne of each ana s s sect on for each samp e pro de the name and method number for the ana s s reported
Samp e Summar Ss	Th s sect on of the Ana t ca eport def nes the spec f c ana ses performed for each samp e I , nc ud ng the dates and t mes of preparat on and/or ana s s

ua f er escr pt on

	The same ana te s found n the assoc ated b an
E	The ana te concentrat on e ceeds the upper m t of the ca brat on range of the nstrument estab shed b the n t a ca brat on ICAL
	The dent f cat on of the ana te s acceptab e the reported a ue s an est mate
2	Surrogate reco er m ts ha e been e ceeded a ues are outs de o er contro m ts
3	The assoc ated batch C as outs de the estab shed ua t contro range for prec s on
4	The assoc ated batch C as outs de the estab shed ua t contro range for accurac
5	The samp e matr nterfered th the ab t to ma e an accurate determ nat on sp e a ue s h gh
6	The samp e matr nterfered th the ab t to ma e an accurate determ nat on sp e a ue s o
7	Surrogate reco er cannot be used for contro m t e a uat on due to d ut on

ua f er	escr pt on
P	P bet een the pr mar and conf rmator ana s s e ceeded 40

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ACC E ITATI S L CATI S

Pace Ana t ca at ona 12065 Lebanon d Mount u et, T 37122

Ala ama		Ne raska	N OS
Alaska		Nevada	N
Ari ona	A	Ne ampshire	
Arkansas		Ne ersey N LAP	N
California		Ne Me ico	N
Colorado	N	Ne ork	
Connecticut	P	North Carolina	nv
lorida		North Carolina	D
eorgia	N LAP	North Carolina	
eorgia		North Dakota	R
daho	N	Ohio AP	CL
llinois		Oklahoma	
ndiana	C N	Oregon	N
o a		Pennsylvania	
ansas		Rhode sland	LAO
entucky		South Carolina	
entucky		South Dakota	n a
Louisiana	A	ennessee	
Louisiana	LA	e as	
Maine	N	e as	LAB
Maryland		Utah	N
Massachusetts	M N	ermont	
Michigan		irginia	
Minnesota		ashington	C
Mississippi	N	est irginia	
Missouri		isconsin	
Montana	C R	yoming	A LA
A LA SO	.	A A LAP LLC MLAP	
A LA SO	.	DOD	.
Canada	.	USDA	P
PA Crypto	N		

Drinking ater Underground Storage anks A uatic o icity Chemical Micro iological Mold aste ater n a Accreditation not applica le
Not all certifications held y the la oratory are applica le to the results reported in the attached report.
Accreditation is only applica le to the test methods specified on each scope of accreditation held y Pace Analytical.

Company Name/Address:
Tetra Tech EMI - Houston, TX

1500 CityWest Boulevard
Suite 1000
Houston, TX 77042

Billing Information:
Accounts Payable
901 West Wall
Suite 100
Midland, TX 79701

Pres Chk

Report to: Diana Eldam/Manuela Pastrano

Email To: manuela.pastrano@tetratech.com;diana.eldam

Project Description: DR Horton - (COR) Keller Crossing Phase II

City/State Collected:

Please Circle: PT MT CT ET

Phone: 832-251-5160

Client Project #

Lab Project # TETRAHTX-KELLER

Collected by (print): Janine Angunent

Site/Facility ID #

P.O. #

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y ___

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 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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 # 477418
D206

Acctnum: TETRAHTX
Template: T259305
Prelogin: P1097763
PM: 3564 - Chad A Upchurch
PB:

Shipped Via: FedEX Standard

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCA, SV8270 8ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	MRCRA8 8ozClr-NoPres	SV8081,SV8141,SV8151 8ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr	Remarks	Sample # (lab only)
Area10-Comp	Comp	SS	0-0.5	9/10/24	1340	3	X	X	X	X	X		-01
Area10-1-0.5	Grab	SS	0-0.5		1245							Hold sample	-02
Area10-1-2		SS	1-2		1250								-03
Area10-2-0.5		SS	0-0.5		1255								-04
Area10-2-2		SS	1-2		1300								-05
Area10-3-0.5		SS	0-0.5		1310								-06
Area10-3-2		SS	1-2		1315								-07
Area10-4-0.5		SS	0-0.5		1320								-08
Area10-4-2		SS	1-2		1325								-09
Area10-5-0.5		SS	0-0.5		1330								-10

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

Remarks: All discrete soil samples will be placed on hold for the same analyses at the lab pending the results of the Composite Soil Sample.

pH ____ Temp ____
Flow ____ Other ____

Samples returned via: __ UPS __ FedEx __ Courier ____

Tracking # 7464 0847 8218

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
[signature]	9/10/24	1445		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.7 / 1.3 / 2.0 °C Bottles Received: 33
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 09-19-24 Time: 0950

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

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Company Name/Address:
Tetra Tech EMI - Houston, TX

1500 CityWest Boulevard
Suite 1000
Houston, TX 77042

Billing Information:
Accounts Payable
901 West Wall
Suite 100
Midland, TX 79701

Pres Chk

Report to:
Diana Eldam/Manuela Pastrano

Email To:
manuela.pastrano@tetratech.com;diana.eldam

Project Description:
DR Horton - (COR) Keller Crossing Phase II

City/State Collected:

Please Circle: PT MT CT ET

Phone: 832-251-5160

Client Project #

Lab Project #
TETRAHTX-KELLER

Collected by (print):
Janine Angument

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCA, SV8270 8ozCr-NoPres	GROCA 40mlAmb/MeOH 10ml/Syr	MRCRA8 8ozCr-NoPres	SV8081,SV8141,SV8151 8ozClr-NoPres	V8260 40mlAmb/MeOH 10ml/Syr	Remarks	Sample # (lab only)
Area10-5-2	Grab	SS	1-2	9/10/24	1335	3						Hold Sample-11	
		SS											
		SS											
		SS											
		SS											
		SS											
		SS											
		SS											
		SS											
		SS											
		SS											

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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 # L774488

Table #

Acctnum: TETRAHTX

Template: T259305

Prelogin: P1097763

PM: 3564 - Chad A Upchurch

PB:

Shipped Via: FedEX Standard

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

Remarks: See page 1 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
	9/10/24	1445		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1.7 °C Bottles Received: 33
				If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 09-11-24 Time: 0900
				Hold: Condition: NCF / (OK)

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ANALYTICAL REPORT

September 25, 2024

Tetra Tech EMI - Houston, TX

Samp e e er roup: L1779872

Samp es ece ed: 09/20/2024

Project umber:

escr pt on: Horton - C e er Cross ng Phase II

eport To: ana E dam/Manue a Pastrano
1500 C t est ou e ard
Su te 1000
Houston, TX 77042

Ent re eport e e ed :

Chad A Upchurch
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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A EA11-C MP L1779872-01 So d

Collected by: Janine Angenent
Collected date/time: 09/19/24 10:25
Received date/time: 09/20/24 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2367684	1	09/23/24 10:51	09/23/24 10:56	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2367073	1	09/21/24 10:38	09/21/24 23:29	SDG	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2367173	1	09/24/24 08:49	09/24/24 12:11	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2368101	26.8	09/19/24 10:25	09/23/24 18:12	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2367890	1.07	09/19/24 10:25	09/24/24 00:08	ADM	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2368266	1	09/24/24 08:07	09/24/24 16:13	KKS	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2365914	1	09/22/24 17:49	09/23/24 13:47	RDH	Mt. Juliet, TN
OP Pesticides by Method 8141	WG2367142	1	09/23/24 07:06	09/24/24 01:26	LJD	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2368272	1	09/24/24 09:33	09/24/24 16:31	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2367359	2	09/23/24 15:57	09/24/24 17:10	JRM	Mt. Juliet, TN

CASE A ATI E

A samp e a uots ere rece ed at the correct temperature, n the proper conta ners, th the appropr ate preser at es, and th n method spec f ed ho d ng t mes, un ess ua f ed or notated th n the report here app cab e, a M L L and L L a ues reported for en ronmenta samp es ha e been corrected for the d ut on factor used n the ana s s A Method and atch ua t Contro are th n estab shed cr ter a e cept here addressed n th s case narrat e, a non-conformance form or proper ua f ed th n the samp e resu ts m d g ta s gnature be o , l aff rm to the best of m no edge, a prob ems/anoma es obser ed b the aborator as ha ng the potent a to affect the ua t of the data ha e been dent f ed b the aborator , and no nformat on or data ha e been no ng thhe d that ou d affect the ua t of the data

Chad A Upchurch
Project Manager

Tota So ds b Method 2540 -2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.9		1	09/23/2024 10:56	WG2367684

Mercur b Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0230	_	0.0184	0.0408	1	09/21/2024 23:29	WG2367073

Meta s ICP b Method 6010

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.10		0.529	2.04	1	09/24/2024 12:11	WG2367173
Barium	96.4		0.0870	0.511	1	09/24/2024 12:11	WG2367173
Cadmium	0.386	__	0.0481	0.511	1	09/24/2024 12:11	WG2367173
Chromium	13.8		0.136	1.02	1	09/24/2024 12:11	WG2367173
Lead	7.01		0.212	0.511	1	09/24/2024 12:11	WG2367173
Selenium	U		0.780	2.04	1	09/24/2024 12:11	WG2367173
Silver	U		0.130	1.02	1	09/24/2024 12:11	WG2367173

o at e rgan c Compounds C b Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	2.76	_	0.926	2.79	26.8	09/23/2024 18:12	WG2368101
(S) a,a,a-Trifluorotoluene(FID)	*98.9*			*77.0-120*		*09/23/2024 18:12*	WG2368101

o at e rgan c Compounds C/MS b Method 8260

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	4	0.0407	0.0557	1.07	09/24/2024 00:08	WG2367890
Acrylonitrile	U		0.00402	0.0139	1.07	09/24/2024 00:08	WG2367890
Benzene	U		0.000520	0.00111	1.07	09/24/2024 00:08	WG2367890
Bromobenzene	U		0.00100	0.0139	1.07	09/24/2024 00:08	WG2367890
Bromodichloromethane	U		0.000808	0.00279	1.07	09/24/2024 00:08	WG2367890
Bromoform	U		0.00130	0.0279	1.07	09/24/2024 00:08	WG2367890
Bromomethane	U		0.00220	0.0139	1.07	09/24/2024 00:08	WG2367890
n-Butylbenzene	U		0.00585	0.0139	1.07	09/24/2024 00:08	WG2367890
sec-Butylbenzene	U		0.00321	0.0139	1.07	09/24/2024 00:08	WG2367890
tert-Butylbenzene	U		0.00217	0.00557	1.07	09/24/2024 00:08	WG2367890
Carbon tetrachloride	U		0.00100	0.00557	1.07	09/24/2024 00:08	WG2367890
Chlorobenzene	U		0.000234	0.00279	1.07	09/24/2024 00:08	WG2367890
Chlorodibromomethane	U		0.000682	0.00279	1.07	09/24/2024 00:08	WG2367890
Chloroethane	U		0.00189	0.00557	1.07	09/24/2024 00:08	WG2367890
Chloroform	U		0.00114	0.00279	1.07	09/24/2024 00:08	WG2367890
Chloromethane	U		0.00484	0.0139	1.07	09/24/2024 00:08	WG2367890
2-Chlorotoluene	U		0.000964	0.00279	1.07	09/24/2024 00:08	WG2367890
4-Chlorotoluene	U		0.000501	0.00557	1.07	09/24/2024 00:08	WG2367890
1,2-Dibromo-3-Chloropropane	U		0.00434	0.0279	1.07	09/24/2024 00:08	WG2367890
1,2-Dibromoethane	U		0.000721	0.00279	1.07	09/24/2024 00:08	WG2367890
Dibromomethane	U		0.000836	0.00557	1.07	09/24/2024 00:08	WG2367890
1,2-Dichlorobenzene	U		0.000473	0.00557	1.07	09/24/2024 00:08	WG2367890
1,3-Dichlorobenzene	U		0.000668	0.00557	1.07	09/24/2024 00:08	WG2367890
1,4-Dichlorobenzene	U		0.000779	0.00557	1.07	09/24/2024 00:08	WG2367890
Dichlorodifluoromethane	U		0.00179	0.00557	1.07	09/24/2024 00:08	WG2367890
1,1-Dichloroethane	U		0.000546	0.00279	1.07	09/24/2024 00:08	WG2367890

o at e rgan c Compounds C/MS b Method 8260

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.000722	0.00279	1.07	09/24/2024 00:08	WG2367890
1,1-Dichloroethene	U		0.000674	0.00279	1.07	09/24/2024 00:08	WG2367890
cis-1,2-Dichloroethene	U		0.000817	0.00279	1.07	09/24/2024 00:08	WG2367890
trans-1,2-Dichloroethene	U		0.00116	0.00557	1.07	09/24/2024 00:08	WG2367890
1,2-Dichloropropane	U		0.00158	0.00557	1.07	09/24/2024 00:08	WG2367890
1,1-Dichloropropene	U		0.000901	0.00279	1.07	09/24/2024 00:08	WG2367890
1,3-Dichloropropane	U		0.000558	0.00557	1.07	09/24/2024 00:08	WG2367890
cis-1,3-Dichloropropene	U		0.000843	0.00279	1.07	09/24/2024 00:08	WG2367890
trans-1,3-Dichloropropene	U		0.00127	0.00557	1.07	09/24/2024 00:08	WG2367890
2,2-Dichloropropane	U		0.00154	0.00279	1.07	09/24/2024 00:08	WG2367890
Di-isopropyl ether	U		0.000457	0.00111	1.07	09/24/2024 00:08	WG2367890
Ethylbenzene	U		0.000821	0.00279	1.07	09/24/2024 00:08	WG2367890
Hexachloro-1,3-butadiene	U		0.00668	0.0279	1.07	09/24/2024 00:08	WG2367890
Isopropylbenzene	U		0.000473	0.00279	1.07	09/24/2024 00:08	WG2367890
p-Isopropyltoluene	U		0.00284	0.00557	1.07	09/24/2024 00:08	WG2367890
2-Butanone (MEK)	U		0.0707	0.111	1.07	09/24/2024 00:08	WG2367890
Methylene Chloride	U		0.00739	0.0279	1.07	09/24/2024 00:08	WG2367890
4-Methyl-2-pentanone (MIBK)	U		0.00254	0.0279	1.07	09/24/2024 00:08	WG2367890
Methyl tert-butyl ether	U		0.000389	0.00111	1.07	09/24/2024 00:08	WG2367890
Naphthalene	U		0.00543	0.0139	1.07	09/24/2024 00:08	WG2367890
n-Propylbenzene	U		0.00106	0.00557	1.07	09/24/2024 00:08	WG2367890
Styrene	U		0.000255	0.0139	1.07	09/24/2024 00:08	WG2367890
1,1,1,2-Tetrachloroethane	U		0.00105	0.00279	1.07	09/24/2024 00:08	WG2367890
1,1,2,2-Tetrachloroethane	U		0.000774	0.00279	1.07	09/24/2024 00:08	WG2367890
1,1,2-Trichlorotrifluoroethane	U		0.000840	0.00279	1.07	09/24/2024 00:08	WG2367890
Tetrachloroethene	U		0.000998	0.00279	1.07	09/24/2024 00:08	WG2367890
Toluene	U		0.00145	0.00557	1.07	09/24/2024 00:08	WG2367890
1,2,3-Trichlorobenzene	U		0.00816	0.0139	1.07	09/24/2024 00:08	WG2367890
1,2,4-Trichlorobenzene	U		0.00490	0.0139	1.07	09/24/2024 00:08	WG2367890
1,1,1-Trichloroethane	U		0.00103	0.00279	1.07	09/24/2024 00:08	WG2367890
1,1,2-Trichloroethane	U		0.000665	0.00279	1.07	09/24/2024 00:08	WG2367890
Trichloroethene	U		0.000650	0.00111	1.07	09/24/2024 00:08	WG2367890
Trichlorofluoromethane	U		0.000921	0.00279	1.07	09/24/2024 00:08	WG2367890
1,2,3-Trichloropropane	U		0.00180	0.0139	1.07	09/24/2024 00:08	WG2367890
1,2,4-Trimethylbenzene	U		0.00176	0.00557	1.07	09/24/2024 00:08	WG2367890
1,2,3-Trimethylbenzene	U		0.00176	0.00557	1.07	09/24/2024 00:08	WG2367890
1,3,5-Trimethylbenzene	U		0.00223	0.00557	1.07	09/24/2024 00:08	WG2367890
Vinyl chloride	U		0.00129	0.00279	1.07	09/24/2024 00:08	WG2367890
Xylenes, Total	U		0.000980	0.00724	1.07	09/24/2024 00:08	WG2367890
(S) Toluene-d8	*92.3*			*75.0-131*		*09/24/2024 00:08*	WG2367890
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*09/24/2024 00:08*	WG2367890
(S) 1,2-Dichloroethane-d4	*98.6*			*70.0-130*		*09/24/2024 00:08*	WG2367890

Sem - o at e rgan c Compounds C b Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	9.73		0.748	4.08	1	09/24/2024 16:13	WG2368266
(S) o-Terphenyl	*40.7*			*18.0-148*		*09/24/2024 16:13*	WG2368266

Ch or nated Ac d Herb c des C b Method 8151

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00717	0.0715	1	09/23/2024 13:47	WG2365914
Dalapon	U		0.0115	0.0715	1	09/23/2024 13:47	WG2365914
2,4-DB	U		0.0303	0.0715	1	09/23/2024 13:47	WG2365914
Dicamba	U		0.0160	0.0715	1	09/23/2024 13:47	WG2365914
Dichloroprop	U		0.0250	0.0715	1	09/23/2024 13:47	WG2365914
Dinoseb	U		0.00712	0.0715	1	09/23/2024 13:47	WG2365914
MCPA	U		0.452	6.64	1	09/23/2024 13:47	WG2365914
MCPP	U		0.375	6.64	1	09/23/2024 13:47	WG2365914
2,4,5-T	U		0.00870	0.0715	1	09/23/2024 13:47	WG2365914
2,4,5-TP (Silvex)	U		0.0109	0.0715	1	09/23/2024 13:47	WG2365914
(S) 2,4-Dichlorophenyl Acetic Acid	*52.5*			*22.0-132*		*09/23/2024 13:47*	WG2365914

P Pest c des b Method 8141

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Azinphos-Methyl	U		0.0325	0.102	1	09/24/2024 01:26	WG2367142
Bolstar (Sulprofos)	U		0.0152	0.102	1	09/24/2024 01:26	WG2367142
Chlorpyrifos	U		0.0160	0.102	1	09/24/2024 01:26	WG2367142
Coumaphos	U		0.0248	0.102	1	09/24/2024 01:26	WG2367142
Demeton,-O and -S	U		0.00596	0.0715	1	09/24/2024 01:26	WG2367142
Diazinon	U		0.0230	0.102	1	09/24/2024 01:26	WG2367142
Dichlorvos	U		0.0306	0.102	1	09/24/2024 01:26	WG2367142
Dimethoate	U		0.0341	0.102	1	09/24/2024 01:26	WG2367142
Disulfoton	U		0.0259	0.102	1	09/24/2024 01:26	WG2367142
EPN	U		0.0282	0.102	1	09/24/2024 01:26	WG2367142
Ethoprop	U		0.0120	0.102	1	09/24/2024 01:26	WG2367142
Ethyl Parathion	U		0.0167	0.102	1	09/24/2024 01:26	WG2367142
Fensulfothion	U		0.0360	0.102	1	09/24/2024 01:26	WG2367142
Fenthion	U		0.0136	0.102	1	09/24/2024 01:26	WG2367142
Malathion	U		0.0183	0.102	1	09/24/2024 01:26	WG2367142
Merphos	U		0.0237	0.102	1	09/24/2024 01:26	WG2367142
Methyl parathion	U		0.0207	0.102	1	09/24/2024 01:26	WG2367142
Mevinphos	U		0.0235	0.102	1	09/24/2024 01:26	WG2367142
Naled	U		0.0490	0.102	1	09/24/2024 01:26	WG2367142
Phorate	U		0.0214	0.102	1	09/24/2024 01:26	WG2367142
Ronnel	U		0.0152	0.102	1	09/24/2024 01:26	WG2367142
Stirophos	U		0.0182	0.102	1	09/24/2024 01:26	WG2367142
Sulfotep	U		0.0101	0.102	1	09/24/2024 01:26	WG2367142
TEPP	U		0.160	1.02	1	09/24/2024 01:26	WG2367142
Tokuthion (Prothothiofos)	U		0.0153	0.102	1	09/24/2024 01:26	WG2367142
Trichloronate	U		0.0205	0.102	1	09/24/2024 01:26	WG2367142
(S) Triphenyl Phosphate	*88.1*			*36.0-121*		*09/24/2024 01:26*	WG2367142

Pest c des C b Method 8081

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00384	0.0204	1	09/24/2024 16:31	WG2368272
Alpha BHC	U		0.00376	0.0204	1	09/24/2024 16:31	WG2368272
Beta BHC	U		0.00387	0.0204	1	09/24/2024 16:31	WG2368272
Delta BHC	U		0.00353	0.0204	1	09/24/2024 16:31	WG2368272
Gamma BHC	U		0.00351	0.0204	1	09/24/2024 16:31	WG2368272
4,4-DDD	U		0.00378	0.0204	1	09/24/2024 16:31	WG2368272
4,4-DDE	U		0.00374	0.0204	1	09/24/2024 16:31	WG2368272
4,4-DDT	U		0.00640	0.0204	1	09/24/2024 16:31	WG2368272
Dieldrin	U		0.00351	0.0204	1	09/24/2024 16:31	WG2368272

Pest c des C b Method 8081

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Endosulfan I	U		0.00371	0.0204	1	09/24/2024 16:31	WG2368272
Endosulfan II	U		0.00342	0.0204	1	09/24/2024 16:31	WG2368272
Endosulfan sulfate	U		0.00372	0.0204	1	09/24/2024 16:31	WG2368272
Endrin	U		0.00357	0.0204	1	09/24/2024 16:31	WG2368272
Endrin aldehyde	U		0.00346	0.0204	1	09/24/2024 16:31	WG2368272
Endrin ketone	U		0.00726	0.0204	1	09/24/2024 16:31	WG2368272
Heptachlor	U		0.00437	0.0204	1	09/24/2024 16:31	WG2368272
Heptachlor epoxide	U		0.00346	0.0204	1	09/24/2024 16:31	WG2368272
Hexachlorobenzene	U		0.00353	0.0204	1	09/24/2024 16:31	WG2368272
Methoxychlor	U		0.00494	0.0204	1	09/24/2024 16:31	WG2368272
Chlordane	U		0.105	0.306	1	09/24/2024 16:31	WG2368272
Toxaphene	U		0.127	0.408	1	09/24/2024 16:31	WG2368272
(S) Decachlorobiphenyl	*53.6*			*10.0-135*		*09/24/2024 16:31*	WG2368272
(S) Tetrachloro-m-xylene	*68.7*			*10.0-139*		*09/24/2024 16:31*	WG2368272

Sem o at e rgan c Compounds C/MS b Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0110	0.0680	2	09/24/2024 17:10	WG2367359
Acenaphthylene	U		0.00958	0.0680	2	09/24/2024 17:10	WG2367359
Anthracene	U		0.0122	0.0680	2	09/24/2024 17:10	WG2367359
Benzidine	U		0.128	3.41	2	09/24/2024 17:10	WG2367359
Benzo(a)anthracene	U		0.0119	0.0680	2	09/24/2024 17:10	WG2367359
Benzo(b)fluoranthene	U		0.0127	0.0680	2	09/24/2024 17:10	WG2367359
Benzo(k)fluoranthene	U		0.0120	0.0680	2	09/24/2024 17:10	WG2367359
Benzo(g,h,i)perylene	U		0.0125	0.0680	2	09/24/2024 17:10	WG2367359
Benzo(a)pyrene	U		0.0127	0.0680	2	09/24/2024 17:10	WG2367359
Bis(2-chlorethoxy)methane	U		0.0204	0.680	2	09/24/2024 17:10	WG2367359
Bis(2-chloroethyl)ether	U		0.0225	0.680	2	09/24/2024 17:10	WG2367359
2,2-Oxybis(1-Chloropropane)	U		0.0294	0.680	2	09/24/2024 17:10	WG2367359
4-Bromophenyl-phenylether	U		0.0239	0.680	2	09/24/2024 17:10	WG2367359
2-Chloronaphthalene	U		0.0119	0.0680	2	09/24/2024 17:10	WG2367359
4-Chlorophenyl-phenylether	U		0.0237	0.680	2	09/24/2024 17:10	WG2367359
Chrysene	U		0.0135	0.0680	2	09/24/2024 17:10	WG2367359
Dibenz(a,h)anthracene	U		0.0189	0.0680	2	09/24/2024 17:10	WG2367359
3,3-Dichlorobenzidine	U		0.0251	0.680	2	09/24/2024 17:10	WG2367359
2,4-Dinitrotoluene	U		0.0195	0.680	2	09/24/2024 17:10	WG2367359
2,6-Dinitrotoluene	U		0.0223	0.680	2	09/24/2024 17:10	WG2367359
Fluoranthene	U		0.0123	0.0680	2	09/24/2024 17:10	WG2367359
Fluorene	U		0.0110	0.0680	2	09/24/2024 17:10	WG2367359
Hexachlorobenzene	U		0.0241	0.680	2	09/24/2024 17:10	WG2367359
Hexachloro-1,3-butadiene	U		0.0229	0.680	2	09/24/2024 17:10	WG2367359
Hexachlorocyclopentadiene	U		0.0357	0.680	2	09/24/2024 17:10	WG2367359
Hexachloroethane	U		0.0268	0.680	2	09/24/2024 17:10	WG2367359
Indeno(1,2,3-cd)pyrene	U		0.0192	0.0680	2	09/24/2024 17:10	WG2367359
Isophorone	U		0.0208	0.680	2	09/24/2024 17:10	WG2367359
Naphthalene	U		0.0171	0.0680	2	09/24/2024 17:10	WG2367359
Nitrobenzene	U		0.0237	0.680	2	09/24/2024 17:10	WG2367359
n-Nitrosodimethylamine	U		0.101	0.680	2	09/24/2024 17:10	WG2367359
n-Nitrosodiphenylamine	U		0.0515	0.680	2	09/24/2024 17:10	WG2367359
n-Nitrosodi-n-propylamine	U		0.0227	0.680	2	09/24/2024 17:10	WG2367359
Phenanthrene	U		0.0135	0.0680	2	09/24/2024 17:10	WG2367359
Benzylbutyl phthalate	U		0.0212	0.680	2	09/24/2024 17:10	WG2367359
Bis(2-ethylhexyl)phthalate	U		0.0862	0.680	2	09/24/2024 17:10	WG2367359
Di-n-butyl phthalate	U		0.0233	0.680	2	09/24/2024 17:10	WG2367359
Diethyl phthalate	U		0.0225	0.680	2	09/24/2024 17:10	WG2367359

Sem o at e rgan c Compounds C/MS b Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dimethyl phthalate	U		0.144	0.680	2	09/24/2024 17:10	WG2367359
Di-n-octyl phthalate	U		0.0459	0.680	2	09/24/2024 17:10	WG2367359
Pyrene	U		0.0133	0.0680	2	09/24/2024 17:10	WG2367359
1,2,4-Trichlorobenzene	U		0.0212	0.680	2	09/24/2024 17:10	WG2367359
4-Chloro-3-methylphenol	U		0.0221	0.680	2	09/24/2024 17:10	WG2367359
2-Chlorophenol	U		0.0225	0.680	2	09/24/2024 17:10	WG2367359
2,4-Dichlorophenol	U		0.0198	0.680	2	09/24/2024 17:10	WG2367359
2,4-Dimethylphenol	U		0.0178	0.680	2	09/24/2024 17:10	WG2367359
4,6-Dinitro-2-methylphenol	U		0.154	0.680	2	09/24/2024 17:10	WG2367359
2,4-Dinitrophenol	U		0.159	0.680	2	09/24/2024 17:10	WG2367359
2-Nitrophenol	U		0.0243	0.680	2	09/24/2024 17:10	WG2367359
4-Nitrophenol	U		0.0212	0.680	2	09/24/2024 17:10	WG2367359
Pentachlorophenol	U		0.0183	0.680	2	09/24/2024 17:10	WG2367359
Phenol	U		0.0274	0.680	2	09/24/2024 17:10	WG2367359
2,4,6-Trichlorophenol	U		0.0218	0.680	2	09/24/2024 17:10	WG2367359
(S) 2-Fluorophenol	*76.1*			*12.0-120*		*09/24/2024 17:10*	WG2367359
(S) Phenol-d5	*69.3*			*10.0-120*		*09/24/2024 17:10*	WG2367359
(S) Nitrobenzene-d5	*67.1*			*10.0-122*		*09/24/2024 17:10*	WG2367359
(S) 2-Fluorobiphenyl	*64.9*			*15.0-120*		*09/24/2024 17:10*	WG2367359
(S) 2,4,6-Tribromophenol	*69.1*			*10.0-127*		*09/24/2024 17:10*	WG2367359
(S) p-Terphenyl-d14	*73.3*			*10.0-120*		*09/24/2024 17:10*	WG2367359

Sample Narrative:

L1779872-01 WG2367359: Dilution due to matrix impact during extract concentration procedure.

Method an M

M 4123344-1 09/23/24 10:56

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

L1779462-02 r g na Samp e S up cate UP

S L1779462-02 09/23/24 10:56 UP 4123344-3 09/23/24 10:56

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.0	94.8	1	0.819		10

Laborator Contro Samp e LCS

LCS 4123344-2 09/23/24 10:56

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method an M

M 4122819-1 09/21/24 22:23

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

Laborator Contro Samp e LCS

LCS 4122819-2 09/21/24 22:26

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.489	97.8	80.0-120	

L1779106-06 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1779106-06 09/21/24 22:28 MS 4122819-4 09/21/24 22:33 MS 4122819-5 09/21/24 22:36

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.500	0.0281	0.567	0.356	108	65.5	1	75.0-125		3 6	45.8	20

L1779106-10 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1779106-10 09/21/24 22:39 MS 4122819-6 09/21/24 22:41 MS 4122819-7 09/21/24 22:52

	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
Analyte	mg/kg				%	%		%			%	%
Mercury	0.778	U	0.673	0.664	86.5	85.4	1	75.0-125			1.30	20

Method an M

M 4123591-1 09/24/24 11:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Cadmium	0.134	_	0.0471	0.500
Chromium	0.134	_	0.133	1.00
Lead	U		0.208	0.500
Selenium	U		0.764	2.00
Silver	U		0.127	1.00

Laborator Contro Samp e LCS

LCS 4123591-2 09/24/24 11:51

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	104	104	80.0-120	
Barium	100	107	107	80.0-120	
Cadmium	100	105	105	80.0-120	
Chromium	100	107	107	80.0-120	
Lead	100	102	102	80.0-120	
Selenium	100	104	104	80.0-120	
Silver	20.0	20.2	101	80.0-120	

L1779462-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1779462-01 09/24/24 11:53 MS 4123591-5 09/24/24 11:58 MS 4123591-6 09/24/24 11:59

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 %
Arsenic	103	U	100	95.1	96.8	92.0	1	75.0-125			5.10	20
Barium	103	77.4	216	172	134	91.5	1	75.0-125	5	3	22.5	20
Cadmium	103	0.380	99.8	95.7	96.2	92.2	1	75.0-125			4.25	20
Chromium	103	12.3	112	108	96.3	92.8	1	75.0-125			3.27	20
Lead	103	12.9	110	104	94.3	88.0	1	75.0-125			6.01	20
Selenium	103	U	97.5	91.6	94.3	88.6	1	75.0-125			6.24	20
Silver	20.7	U	19.2	18.5	92.8	89.5	1	75.0-125			3.65	20

Method an M

M 4123472-3 09/23/24 11:04

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	U		0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*95.9*			*77.0-120*

Laborator Contro Samp e LCS Laborator Contro Samp e up cate LCS

LCS 4123472-1 09/23/24 09:46 LCS 4123472-2 09/23/24 10:06

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 %
TPHG C5 - C12	5.00	4.45	4.96	89.0	99.2	72.0-125			10.8	20
(S) a,a,a-Trifluorotoluene(FID)				*107*	*106*	*77.0-120*				

Method an M

M 4123341-2 09/23/24 22:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method an M

M 4123341-2 09/23/24 22:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*93.3*			*75.0-131*
(S) 4-Bromofluorobenzene	*103*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

Laborator Contro Samp e LCS

LCS 4123341-1 09/23/24 20:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	1.15	184	10.0-160	4
Acrylonitrile	0.625	0.763	122	45.0-153	
Benzene	0.125	0.115	92.0	70.0-123	
Bromobenzene	0.125	0.102	81.6	73.0-121	
Bromodichloromethane	0.125	0.121	96.8	73.0-121	

Laborator Contro Samp e LCS

LCS 4123341-1 09/23/24 20:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	0.125	0.104	83.2	64.0-132	
Bromomethane	0.125	0.116	92.8	56.0-147	
n-Butylbenzene	0.125	0.108	86.4	68.0-135	
sec-Butylbenzene	0.125	0.106	84.8	74.0-130	
tert-Butylbenzene	0.125	0.105	84.0	75.0-127	
Carbon tetrachloride	0.125	0.124	99.2	66.0-128	
Chlorobenzene	0.125	0.111	88.8	76.0-128	
Chlorodibromomethane	0.125	0.114	91.2	74.0-127	
Chloroethane	0.125	0.121	96.8	61.0-134	
Chloroform	0.125	0.123	98.4	72.0-123	
Chloromethane	0.125	0.105	84.0	51.0-138	
2-Chlorotoluene	0.125	0.104	83.2	75.0-124	
4-Chlorotoluene	0.125	0.107	85.6	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.102	81.6	59.0-130	
1,2-Dibromoethane	0.125	0.110	88.0	74.0-128	
Dibromomethane	0.125	0.119	95.2	75.0-122	
1,2-Dichlorobenzene	0.125	0.108	86.4	76.0-124	
1,3-Dichlorobenzene	0.125	0.104	83.2	76.0-125	
1,4-Dichlorobenzene	0.125	0.102	81.6	77.0-121	
Dichlorodifluoromethane	0.125	0.119	95.2	43.0-156	
1,1-Dichloroethane	0.125	0.128	102	70.0-127	
1,2-Dichloroethane	0.125	0.127	102	65.0-131	
1,1-Dichloroethene	0.125	0.112	89.6	65.0-131	
cis-1,2-Dichloroethene	0.125	0.109	87.2	73.0-125	
trans-1,2-Dichloroethene	0.125	0.113	90.4	71.0-125	
1,2-Dichloropropane	0.125	0.122	97.6	74.0-125	
1,1-Dichloropropene	0.125	0.122	97.6	73.0-125	
1,3-Dichloropropane	0.125	0.107	85.6	80.0-125	
cis-1,3-Dichloropropene	0.125	0.122	97.6	76.0-127	
trans-1,3-Dichloropropene	0.125	0.113	90.4	73.0-127	
2,2-Dichloropropane	0.125	0.119	95.2	59.0-135	
Di-isopropyl ether	0.125	0.144	115	60.0-136	
Ethylbenzene	0.125	0.107	85.6	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.125	100	57.0-150	
Isopropylbenzene	0.125	0.116	92.8	72.0-127	
p-Isopropyltoluene	0.125	0.113	90.4	72.0-133	
2-Butanone (MEK)	0.625	0.848	136	30.0-160	
Methylene Chloride	0.125	0.103	82.4	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.598	95.7	56.0-143	
Methyl tert-butyl ether	0.125	0.122	97.6	66.0-132	

Laborator Contro Samp e LCS

LCS 4123341-1 09/23/24 20:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.125	0.0930	74.4	59.0-130	
n-Propylbenzene	0.125	0.102	81.6	74.0-126	
Styrene	0.125	0.0980	78.4	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.110	88.0	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0961	76.9	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.0803	64.2	61.0-139	
Tetrachloroethene	0.125	0.105	84.0	70.0-136	
Toluene	0.125	0.104	83.2	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.106	84.8	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.104	83.2	62.0-137	
1,1,1-Trichloroethane	0.125	0.124	99.2	69.0-126	
1,1,2-Trichloroethane	0.125	0.104	83.2	78.0-123	
Trichloroethene	0.125	0.120	96.0	76.0-126	
Trichlorofluoromethane	0.125	0.136	109	61.0-142	
1,2,3-Trichloropropane	0.125	0.106	84.8	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.106	84.8	70.0-126	
1,2,3-Trimethylbenzene	0.125	0.106	84.8	74.0-124	
1,3,5-Trimethylbenzene	0.125	0.108	86.4	73.0-127	
Vinyl chloride	0.125	0.106	84.8	63.0-134	
Xylenes, Total	0.375	0.321	85.6	72.0-127	
(S) Toluene-d8			*91.3*	*75.0-131*	
(S) 4-Bromofluorobenzene			*103*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*104*	*70.0-130*	

Method an M

M 4123782-1 09/24/24 13:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
(S) o-Terphenyl	*55.6*			*18.0-148*

Laborator Contro Samp e LCS

LCS 4123782-2 09/24/24 13:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	50.0	25.6	51.2	50.0-150	
(S) o-Terphenyl			*46.7*	*18.0-148*	

L1779902-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1779902-01 09/24/24 22:18 MS 4123782-3 09/24/24 22:32 MS 4123782-4 09/24/24 22:45

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 %
C12-C22 Hydrocarbons	47.8	3.41	23.7	9.05	42.4	11.8	1	50.0-150	6	3 6	89.4	20
(S) o-Terphenyl					*32.8*	*17.1*		*18.0-148*		2		

Method an M

M 4123698-1 09/23/24 10:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2,4-D	U		0.00702	0.0700
Dalapon	U		0.0113	0.0700
2,4-DB	U		0.0297	0.0700
Dicamba	U		0.0157	0.0700
Dichloroprop	U		0.0245	0.0700
Dinoseb	U		0.00697	0.0700
MCPA	U		0.443	6.50
MCPP	U		0.367	6.50
2,4,5-T	U		0.00852	0.0700
2,4,5-TP (Silvex)	U		0.0107	0.0700
(S) 2,4-Dichlorophenyl Acetic Acid	*74.9*			*22.0-132*

Laborator Contro Samp e LCS

LCS 4123698-2 09/23/24 10:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4-D	0.0833	0.0800	96.0	40.0-120	
Dalapon	0.0833	0.0586	70.3	15.0-120	
2,4-DB	0.0833	0.0629	75.5	25.0-143	
Dicamba	0.0833	0.0644	77.3	43.0-120	
Dichloroprop	0.0833	0.0637	76.5	32.0-129	
Dinoseb	0.0833	0.0237	28.5	10.0-120	
MCPA	8.33	9.03	108	31.0-121	
MCPP	8.33	6.30	75.6	28.0-133	
2,4,5-T	0.0833	0.0579	69.5	41.0-120	
2,4,5-TP (Silvex)	0.0833	0.0702	84.3	42.0-120	
(S) 2,4-Dichlorophenyl Acetic Acid			*76.0*	*22.0-132*	

L1779902-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1779902-01 09/23/24 13:01 MS 4123698-3 09/23/24 13:12 MS 4123698-4 09/23/24 13:24

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 %
2,4-D	0.0840	U	0.217	0.211	258	251	1	10.0-160	E 5	E 5	2.83	24
Dalapon	0.0840	U	0.0461	0.0494	54.9	58.8	1	10.0-121			6.97	27
2,4-DB	0.0840	U	0.0800	0.113	95.2	134	1	10.0-160	P	3	34.2	22

L1779902-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1779902-01 09/23/24 13:01 MS 4123698-3 09/23/24 13:12 MS 4123698-4 09/23/24 13:24

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	%	%		%			%	%
Dicamba	0.0840	U	0.0436	0.0490	51.9	58.3	1	10.0-154	_	_	11.8	21
Dichloroprop	0.0840	U	0.0530	0.0610	63.1	72.6	1	10.0-158	_	_	14.0	20
Dinoseb	0.0840	U	0.0393	0.0342	46.8	40.7	1	10.0-120	_	_	14.0	40
MCPA	8.40	U	21.9	31.3	261	372	1	10.0-160	E 5P	E 5P	35.3	40
MCPP	8.40	U	6.99	7.19	83.2	85.6	1	10.0-160			2.84	40
2,4,5-T	0.0840	U	0.0489	0.0585	58.2	69.6	1	10.0-157	_	_	17.8	20
2,4,5-TP (Silvex)	0.0840	U	0.0491	0.0571	58.5	67.9	1	10.0-156	_	_	15.0	20
(S) 2,4-Dichlorophenyl Acetic Acid					*47.8*	*54.7*		*22.0-132*				

Method an M

M 4123652-1 09/23/24 22:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Azinphos-Methyl	U		0.0318	0.100
Bolstar (Sulprofos)	U		0.0149	0.100
Chlorpyrifos	U		0.0157	0.100
Coumaphos	U		0.0243	0.100
Demeton,-O and -S	U		0.00584	0.0700
Diazinon	U		0.0225	0.100
Dichlorvos	U		0.0300	0.100
Dimethoate	U		0.0334	0.100
Disulfoton	U		0.0254	0.100
EPN	U		0.0276	0.100
Ethoprop	U		0.0118	0.100
Ethyl Parathion	U		0.0164	0.100
Fensulfothion	U		0.0353	0.100
Fenthion	U		0.0133	0.100
Malathion	U		0.0179	0.100
Merphos	U		0.0232	0.100
Methyl parathion	U		0.0203	0.100
Mevinphos	U		0.0230	0.100
Naled	U		0.0480	0.100
Phorate	U		0.0210	0.100
Ronnel	U		0.0149	0.100
Stirophos	U		0.0178	0.100
Sulfotep	U		0.00986	0.100
TEPP	U		0.157	1.00
Tokuthion (Prothothiofos)	U		0.0150	0.100
Trichloronate	U		0.0201	0.100
(S) Triphenyl Phosphate	*91.6*			*36.0-121*

Laborator Contro Samp e LCS

LCS 4123652-2 09/23/24 23:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Azinphos-Methyl	0.333	0.286	85.9	58.0-125	
Bolstar (Sulprofos)	0.333	0.284	85.3	64.0-120	
Chlorpyrifos	0.333	0.288	86.5	62.0-120	
Coumaphos	0.333	0.282	84.7	60.0-120	
Demeton,-O and -S	0.167	0.136	81.4	59.0-120	
Diazinon	0.333	0.254	76.3	49.0-120	

Laborator Contro Samp e LCS

LCS 4123652-2 09/23/24 23:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dichlorvos	0.333	0.229	68.8	37.0-120	
Dimethoate	0.333	0.256	76.9	46.0-127	
Disulfoton	0.333	0.281	84.4	60.0-121	
EPN	0.333	0.310	93.1	60.0-121	
Ethoprop	0.333	0.266	79.9	59.0-120	
Ethyl Parathion	0.333	0.310	93.1	62.0-120	
Fensulfothion	0.333	0.290	87.1	58.0-123	
Fenthion	0.333	0.289	86.8	61.0-121	
Malathion	0.333	0.312	93.7	59.0-120	
Merphos	0.333	0.267	80.2	59.0-120	
Methyl parathion	0.333	0.264	79.3	63.0-120	
Mevinphos	0.333	0.291	87.4	50.0-120	
Naled	0.333	0.167	50.2	10.0-125	
Phorate	0.333	0.264	79.3	60.0-120	
Ronnel	0.333	0.281	84.4	62.0-120	
Stirophos	0.333	0.271	81.4	62.0-120	
Sulfotep	0.333	0.348	105	62.0-122	
TEPP	3.33	1.34	40.2	10.0-135	
Tokuthion (Prothothiofos)	0.333	0.290	87.1	63.0-120	
Trichloronate	0.333	0.289	86.8	62.0-120	
(S) Triphenyl Phosphate			*90.4*	*36.0-121*	

L1779846-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1779846-01 09/23/24 23:46 MS 4123652-3 09/24/24 00:19 MS 4123652-4 09/24/24 00:53

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 %
Azinphos-Methyl	0.335	U	0.288	0.296	86.0	90.4	1	10.0-160			2.79	22
Bolstar (Sulprofos)	0.335	U	0.283	0.294	84.5	89.8	1	10.0-151			3.88	20
Chlorpyrifos	0.335	U	0.289	0.300	86.3	91.6	1	12.0-149			3.80	20
Coumaphos	0.335	U	0.278	0.288	83.0	87.9	1	10.0-160			3.60	22
Demeton,-O and -S	0.168	U	0.140	0.136	83.6	83.2	1	10.0-160			2.94	23
Diazinon	0.335	U	0.279	0.283	83.3	86.3	1	11.0-157			1.45	20
Dichlorvos	0.335	U	0.380	0.395	114	120	1	10.0-160			3.67	24
Dimethoate	0.335	U	0.265	0.248	79.3	75.8	1	10.0-150			6.73	27
Disulfoton	0.335	U	0.286	0.293	85.4	89.4	1	12.0-155			2.46	20
EPN	0.335	U	0.324	0.340	97.0	104	1	10.0-159			4.59	20
Ethoprop	0.335	U	0.274	0.268	81.8	82.0	1	11.0-156			1.88	20
Ethyl Parathion	0.335	U	0.335	0.342	100	104	1	10.0-147			2.11	20

L1779846-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1779846-01 09/23/24 23:46 MS 4123652-3 09/24/24 00:19 MS 4123652-4 09/24/24 00:53

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	%	%		%			%	%
Fensulfothion	0.335	U	0.297	0.306	88.8	93.5	1	10.0-157			3.04	27
Fenthion	0.335	U	0.290	0.301	86.6	91.9	1	13.0-155			3.79	20
Malathion	0.335	U	0.327	0.335	97.9	102	1	13.0-137			2.15	21
Merphos	0.335	U	0.275	0.276	82.1	84.2	1	10.0-147			0.370	26
Methyl parathion	0.335	U	0.280	0.287	83.6	87.6	1	10.0-150			2.51	21
Mevinphos	0.335	U	0.321	0.320	96.0	97.8	1	10.0-158			0.317	24
Naled	0.335	U	0.103	0.0746	30.7	22.8	1	10.0-137			31.7	40
Phorate	0.335	U	0.288	0.284	86.0	86.6	1	13.0-154			1.42	20
Ronnel	0.335	U	0.284	0.294	84.8	89.8	1	14.0-149			3.52	20
Stirophos	0.335	U	0.274	0.283	81.8	86.3	1	10.0-150			3.29	20
Sulfotep	0.335	U	0.371	0.379	111	116	1	10.0-160			2.17	20
TEPP	3.35	U	1.16	0.363	34.7	11.1	1	10.0-142		3	105	28
Tokuthion (Prothothiofos)	0.335	U	0.289	0.299	86.3	91.3	1	12.0-153			3.46	20
Trichloronate	0.335	U	0.288	0.299	86.0	91.3	1	12.0-152			3.81	20
(S) Triphenyl Phosphate					*88.1*	*91.9*		*36.0-121*				

Method an M

M 4123878-1 09/24/24 14:23

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	*87.7*			*10.0-135*
(S) Tetrachloro-m-xylene	*89.3*			*10.0-139*

Laborator Contro Samp e LCS

LCS 4123878-2 09/24/24 14:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aldrin	0.0666	0.0627	94.1	34.0-136	
Alpha BHC	0.0666	0.0620	93.1	34.0-139	
Beta BHC	0.0666	0.0599	89.9	34.0-133	
Delta BHC	0.0666	0.0507	76.1	34.0-135	
Gamma BHC	0.0666	0.0628	94.3	34.0-136	
4,4-DDD	0.0666	0.0644	96.7	33.0-141	
4,4-DDE	0.0666	0.0634	95.2	34.0-134	
4,4-DDT	0.0666	0.0631	94.7	30.0-143	
Dieldrin	0.0666	0.0639	95.9	35.0-137	
Endosulfan I	0.0666	0.0619	92.9	34.0-134	

Laborator Contro Samp e LCS

LCS 4123878-2 09/24/24 14:33

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endosulfan II	0.0666	0.0622	93.4	35.0-132	
Endosulfan sulfate	0.0666	0.0605	90.8	35.0-132	
Endrin	0.0666	0.0640	96.1	34.0-137	
Endrin aldehyde	0.0666	0.0602	90.4	23.0-121	
Endrin ketone	0.0666	0.0606	91.0	35.0-144	
Heptachlor	0.0666	0.0633	95.0	36.0-141	
Heptachlor epoxide	0.0666	0.0635	95.3	36.0-134	
Hexachlorobenzene	0.0666	0.0585	87.8	33.0-129	
Methoxychlor	0.0666	0.0614	92.2	28.0-150	
(S) Decachlorobiphenyl			*89.2*	*10.0-135*	
(S) Tetrachloro-m-xylene			*93.2*	*10.0-139*	

L1779430-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1779430-01 09/24/24 14:53 MS 4123878-3 09/24/24 15:02 MS 4123878-4 09/24/24 15:12

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	0.0681	U	0.0539	0.0527	79.0	77.0	1	20.0-135			2.12	37
Alpha BHC	0.0681	U	0.0522	0.0539	76.6	78.7	1	27.0-140			3.10	35
Beta BHC	0.0681	U	0.0498	0.0496	73.2	72.5	1	23.0-141			0.413	37
Delta BHC	0.0681	U	0.0430	0.0433	63.0	63.2	1	21.0-138			0.715	35
Gamma BHC	0.0681	U	0.0531	0.0542	78.0	79.1	1	27.0-137			1.92	36
4,4-DDD	0.0681	U	0.0517	0.0510	75.9	74.5	1	15.0-152			1.40	39
4,4-DDE	0.0681	U	0.0550	0.0538	80.7	78.5	1	10.0-152			2.27	40
4,4-DDT	0.0681	U	0.0518	0.0518	76.0	75.7	1	10.0-151			0.000	40
Dieldrin	0.0681	U	0.0532	0.0540	78.1	78.8	1	17.0-145			1.34	37
Endosulfan I	0.0681	U	0.0534	0.0544	78.4	79.4	1	20.0-137			1.72	36
Endosulfan II	0.0681	U	0.0507	0.0499	74.4	73.0	1	15.0-141			1.43	37
Endosulfan sulfate	0.0681	U	0.0493	0.0479	72.4	70.0	1	15.0-143			2.96	38
Endrin	0.0681	U	0.0511	0.0521	75.0	76.1	1	19.0-143			1.99	37
Endrin aldehyde	0.0681	U	0.0492	0.0499	72.2	73.0	1	10.0-139			1.45	40
Endrin ketone	0.0681	U	0.0468	0.0477	68.6	69.7	1	17.0-149			1.96	38
Heptachlor	0.0681	U	0.0557	0.0563	81.7	82.3	1	22.0-138			1.10	37
Heptachlor epoxide	0.0681	U	0.0508	0.0511	74.5	74.6	1	22.0-138			0.605	36
Hexachlorobenzene	0.0681	U	0.0515	0.0526	75.6	76.9	1	25.0-126			2.17	35
Methoxychlor	0.0681	U	0.0547	0.0526	80.2	76.9	1	10.0-159			3.83	40
(S) Decachlorobiphenyl					*66.7*	*74.2*		*10.0-135*				
(S) Tetrachloro-m-xylene					*70.9*	*80.2*		*10.0-139*				

Method an M

M 4123820-2 09/24/24 10:44

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
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
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
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
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
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
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	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

Method an M

M 4123820-2 09/24/24 10:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	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
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*75.7*			*12.0-120*
(S) Phenol-d5	*67.1*			*10.0-120*
(S) Nitrobenzene-d5	*66.4*			*10.0-122*
(S) 2-Fluorobiphenyl	*66.1*			*15.0-120*
(S) 2,4,6-Tribromophenol	*61.0*			*10.0-127*
(S) p-Terphenyl-d14	*82.0*			*10.0-120*

Laborator Contro Samp e LCS

LCS 4123820-1 09/24/24 10:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.428	64.3	38.0-120	
Acenaphthylene	0.666	0.432	64.9	40.0-120	
Anthracene	0.666	0.497	74.6	42.0-120	
Benzidine	1.33	0.595	44.7	10.0-120	
Benzo(a)anthracene	0.666	0.524	78.7	44.0-120	
Benzo(b)fluoranthene	0.666	0.528	79.3	43.0-120	
Benzo(k)fluoranthene	0.666	0.546	82.0	44.0-120	
Benzo(g,h,i)perylene	0.666	0.491	73.7	43.0-120	
Benzo(a)pyrene	0.666	0.549	82.4	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.372	55.9	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.384	57.7	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.393	59.0	23.0-120	
4-Bromophenyl-phenylether	0.666	0.486	73.0	40.0-120	
2-Chloronaphthalene	0.666	0.412	61.9	35.0-120	

Laborator Contro Samp e LCS

LCS 4123820-1 09/24/24 10:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	0.666	0.448	67.3	40.0-120	
Chrysene	0.666	0.531	79.7	43.0-120	
Dibenz(a,h)anthracene	0.666	0.533	80.0	44.0-120	
3,3-Dichlorobenzidine	1.33	0.991	74.5	28.0-120	
2,4-Dinitrotoluene	0.666	0.547	82.1	45.0-120	
2,6-Dinitrotoluene	0.666	0.505	75.8	42.0-120	
Fluoranthene	0.666	0.528	79.3	44.0-120	
Fluorene	0.666	0.470	70.6	41.0-120	
Hexachlorobenzene	0.666	0.468	70.3	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.344	51.7	15.0-120	
Hexachlorocyclopentadiene	0.666	0.235	35.3	15.0-120	
Hexachloroethane	0.666	0.379	56.9	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.498	74.8	45.0-120	
Isophorone	0.666	0.358	53.8	23.0-120	
Naphthalene	0.666	0.338	50.8	18.0-120	
Nitrobenzene	0.666	0.378	56.8	17.0-120	
n-Nitrosodimethylamine	0.666	0.493	74.0	10.0-125	
n-Nitrosodiphenylamine	0.666	0.488	73.3	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.419	62.9	26.0-120	
Phenanthrene	0.666	0.496	74.5	42.0-120	
Benzylbutyl phthalate	0.666	0.591	88.7	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.582	87.4	41.0-120	
Di-n-butyl phthalate	0.666	0.551	82.7	43.0-120	
Diethyl phthalate	0.666	0.497	74.6	43.0-120	
Dimethyl phthalate	0.666	0.483	72.5	43.0-120	
Di-n-octyl phthalate	0.666	0.578	86.8	40.0-120	
Pyrene	0.666	0.528	79.3	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.339	50.9	17.0-120	
4-Chloro-3-methylphenol	0.666	0.400	60.1	28.0-120	
2-Chlorophenol	0.666	0.417	62.6	28.0-120	
2,4-Dichlorophenol	0.666	0.395	59.3	25.0-120	
2,4-Dimethylphenol	0.666	0.367	55.1	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.645	96.8	16.0-120	
2,4-Dinitrophenol	0.666	0.552	82.9	10.0-120	
2-Nitrophenol	0.666	0.418	62.8	20.0-120	
4-Nitrophenol	0.666	0.549	82.4	27.0-120	
Pentachlorophenol	0.666	0.441	66.2	29.0-120	
Phenol	0.666	0.431	64.7	28.0-120	
2,4,6-Trichlorophenol	0.666	0.426	64.0	37.0-120	
(S) 2-Fluorophenol			*70.0*	*12.0-120*	

Laborator Contro Samp e LCS

LCS 4123820-1 09/24/24 10:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*64.6*	*10.0-120*	
(S) Nitrobenzene-d5			*52.3*	*10.0-122*	
(S) 2-Fluorobiphenyl			*62.8*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*71.9*	*10.0-127*	
(S) p-Terphenyl-d14			*79.0*	*10.0-120*	

L1778896-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1778896-01 09/24/24 13:57 MS 4123820-3 09/24/24 14:18 MS 4123820-4 09/24/24 14:40

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.699	U	0.554	0.559	79.3	80.7	50	18.0-120			0.763	32
Acenaphthylene	0.699	U	0.561	0.564	80.2	81.4	50	25.0-120			0.567	32
Anthracene	0.699	U	0.626	0.624	89.5	90.2	50	22.0-120			0.170	29
Benzidine	1.40	U	U	U	0.000	0.000	50	10.0-120	6	6	0.000	40
Benzo(a)anthracene	0.699	0.534	1.00	0.896	67.0	52.3	50	25.0-120			11.2	29
Benzo(b)fluoranthene	0.699	0.814	1.32	1.23	72.0	60.4	50	19.0-122			6.67	31
Benzo(k)fluoranthene	0.699	U	0.826	0.807	118	117	50	23.0-120			2.34	30
Benzo(g,h,i)perylene	0.699	0.413	0.811	0.696	57.0	40.8	50	10.0-120			15.4	33
Benzo(a)pyrene	0.699	0.603	1.12	1.04	73.3	63.0	50	24.0-120			7.00	30
Bis(2-chlorethoxy)methane	0.699	U	0.563	0.579	80.5	83.6	50	10.0-120			2.79	34
Bis(2-chloroethyl)ether	0.699	U	0.592	0.610	84.7	88.0	50	10.0-120			3.01	40
2,2-Oxybis(1-Chloropropane)	0.699	U	U	U	0.000	0.000	50	10.0-120	6	6	0.000	40
4-Bromophenyl-phenylether	0.699	U	U	U	0.000	0.000	50	27.0-120	6	6	0.000	30
2-Chloronaphthalene	0.699	U	0.557	0.543	79.6	78.4	50	20.0-120			2.51	32
4-Chlorophenyl-phenylether	0.699	U	U	U	0.000	0.000	50	24.0-120	6	6	0.000	29
Chrysene	0.699	0.428	1.06	0.965	90.7	77.6	50	21.0-120			9.53	29
Dibenz(a,h)anthracene	0.699	U	U	U	0.000	0.000	50	10.0-120	6	6	0.000	32
3,3-Dichlorobenzidine	1.40	U	0.987	1.06	70.4	76.9	50	10.0-120			7.36	34
2,4-Dinitrotoluene	0.699	U	U	0.553	0.000	79.9	50	30.0-120	6	3	200	31
2,6-Dinitrotoluene	0.699	U	U	U	0.000	0.000	50	25.0-120	6	6	0.000	31
Fluoranthene	0.699	1.05	1.25	1.08	29.5	5.21	50	18.0-126		6	14.5	32
Fluorene	0.699	U	0.574	0.619	82.1	89.4	50	25.0-120			7.66	30
Hexachlorobenzene	0.699	U	U	U	0.000	0.000	50	27.0-120	6	6	0.000	28
Hexachloro-1,3-butadiene	0.699	U	U	U	0.000	0.000	50	10.0-120	6	6	0.000	38
Hexachlorocyclopentadiene	0.699	U	U	U	0.000	0.000	50	10.0-120	6	6	0.000	40
Hexachloroethane	0.699	U	U	U	0.000	0.000	50	10.0-120	6	6	0.000	40
Indeno(1,2,3-cd)pyrene	0.699	U	0.737	0.646	105	93.3	50	10.0-120			13.2	32
Isophorone	0.699	U	U	0.546	0.000	78.8	50	13.0-120	6	3	200	34

CONFIDENTIAL
No reliance without separate reliance agreement.

L1778896-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1778896-01 09/24/24 13:57 MS 4123820-3 09/24/24 14:18 MS 4123820-4 09/24/24 14:40

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				%	%		%			%	%
Naphthalene	0.699	U	0.544	0.531	77.8	76.7	50	10.0-120			2.37	35
Nitrobenzene	0.699	U	U	U	0.000	0.000	50	10.0-120	6	6	0.000	36
n-Nitrosodimethylamine	0.699	U	U	U	0.000	0.000	50	10.0-127	6	6	0.000	40
n-Nitrosodiphenylamine	0.699	U	U	U	0.000	0.000	50	17.0-120	6	6	0.000	29
n-Nitrosodi-n-propylamine	0.699	U	0.622	U	89.1	0.000	50	10.0-120		3 6	200	37
Phenanthrene	0.699	0.352	0.724	0.665	104	96.0	50	17.0-120			8.56	31
Benzylbutyl phthalate	0.699	U	0.675	0.814	96.7	117	50	23.0-120			18.5	30
Bis(2-ethylhexyl)phthalate	0.699	U	U	U	0.000	0.000	50	17.0-126	6	6	0.000	30
Di-n-butyl phthalate	0.699	U	0.606	0.663	86.8	95.7	50	30.0-120			8.87	29
Diethyl phthalate	0.699	U	0.584	0.669	0.000	96.6	50	26.0-120	6	3	200	28
Dimethyl phthalate	0.699	U	U	U	81.9	81.4	50	25.0-120			1.50	29
Di-n-octyl phthalate	0.699	U	U	U	0.000	0.000	50	21.0-123	6	6	0.000	29
Pyrene	0.699	0.981	1.26	1.06	40.4	11.7	50	16.0-121		6	17.4	32
1,2,4-Trichlorobenzene	0.699	U	0.570	U	81.6	0.000	50	12.0-120		3 6	200	37
4-Chloro-3-methylphenol	0.699	U	0.596	0.593	85.3	85.6	50	15.0-120			0.536	30
2-Chlorophenol	0.699	U	U	U	0.000	0.000	50	15.0-120	6	6	0.000	37
2,4-Dichlorophenol	0.699	U	0.562	0.568	80.4	82.1	50	20.0-120			1.13	31
2,4-Dimethylphenol	0.699	U	0.559	0.563	79.9	81.3	50	10.0-120			0.758	33
4,6-Dinitro-2-methylphenol	0.699	U	U	U	0.000	0.000	50	10.0-120	6	6	0.000	39
2,4-Dinitrophenol	0.699	U	U	U	0.000	0.000	50	10.0-121	6	6	0.000	40
2-Nitrophenol	0.699	U	0.639	U	91.5	0.000	50	12.0-120		3 6	200	39
4-Nitrophenol	0.699	U	U	U	0.000	0.000	50	10.0-137	6	6	0.000	32
Pentachlorophenol	0.699	U	U	U	0.000	0.000	50	10.0-160	6	6	0.000	31
Phenol	0.699	U	U	U	0.000	0.000	50	12.0-120	6	6	0.000	38
2,4,6-Trichlorophenol	0.699	U	U	U	0.000	0.000	50	19.0-120	6	6	0.000	32
(S) 2-Fluorophenol					*82.1*	*85.6*		*12.0-120*	7	7		
(S) Phenol-d5					*81.5*	*77.3*		*10.0-120*	7	7		
(S) Nitrobenzene-d5					*82.7*	*86.2*		*10.0-122*	7	7		
(S) 2-Fluorobiphenyl					*69.6*	*78.2*		*15.0-120*	7	7		
(S) 2,4,6-Tribromophenol					*61.2*	*65.6*		*10.0-127*	7	7		
(S) p-Terphenyl-d14					*88.4*	*92.9*		*10.0-120*	7	7		

Sample Narrative:

OS: Dilution due to matrix impact during extract concentration procedure.

u de to ead ng and Understand ng our Laborator eport

The nformat on be o s des gned to better e p a n the ar ous terms used n our report of ana t ca resu ts from the Laborator Th s s not ntended as a comprehens e e p anat on, and f ou ha e add t ona uest ons p ease contact our project representat e

esu ts sc a mer - Informat on that ma be pro ded b the customer, and conta ned th n th s report, nc ude Perm t L m ts, Project ame, Samp e I , Samp e Matr , Samp e Preser at on, e d an s, e d Sp es, e d up cates, n-S te ata, Samp ng Co ect on ates/T mes, and Samp ng Locat on esu ts re ate to the accurac of th s nformat on pro ded, and as the samp es are rece ed

Abbre at ons and ef n t ons

dr	esu ts are reported based on the dr e ght of the samp e th s on be present on a dr report bas s for so s
M L	Method etect on L m t
M L dr	Method etect on L m t
L	eported etect on L m t
L dr	eported etect on L m t
ec	eco er
P	e at e Percent fference
S	Samp e e er roup
S	Surrogate Surrogate Standard - Ana tes added to e er b an , samp e, Laborator Contro Samp e/ up cate and Matr Sp e/ up cate used to e a uate ana t ca eff c enc b measur ng reco er Surrogates are not e pected to be detected n a en ronmenta med a
U	ot detected at the eport ng L m t or M L here app cab e
Ana te	The name of the part cu ar compound or ana s s performed Some Ana ses and Methods ha e mu t p e ana tes reported
ut on	If the samp e matr conta ns an nterfer ng mater a , the samp e preparat on o ume or e ght a ues d ffer from the standard, or f concentrat ons of ana tes n the samp e are h gher than the h ghest m t of concentrat on that the aborator can accurate report, the samp e ma be d uted for ana s s If a a ue d fferent than 1 s used n th s f e d, the resu t reported has a read been corrected for th s factor
L m ts	These are the target reco er ranges or d fference a ue that the aborator has h stor ca determ ned as norma for the method and ana te be ng reported Successfu C Samp e ana s s target a ana tes reco ered or dup cated th n these ranges
r g na Samp e	The non-sp ed samp e n the prep batch used to determ ne the e at e Percent fference P from a ua t contro samp e The r g na Samp e ma not be nc uded th n the reported S
ua f er	Th s co umn pro des a etter and/or number des gnat on that corresponds to add t ona nformat on concern ng the resu t reported If a ua f er s present, a def n t on per ua f er s pro ded th n the ossar and ef n t ons page and potent a a d scuss on of poss b e mp cat ons of the ua f er n the Case arrat e f app cab e
esu t	The actua ana t ca f na resu t corrected for an samp e spec f c character st cs reported for our samp e If there as no measurab e resu t returned for a spec f c ana te, the resu t n th s co umn ma state ot etected or L e o etectab e Le e s The nformat on n the resu ts co umn shou d a a s be accompan ed b e ther an M L Method etect on L m t or L eport ng etect on L m t that def nes the o est a ue that the aborator cou d detect or report for th s ana te
Uncerta nt ad ochem str	Conf dence e e of 2 s gma
Case arrat e Cn	A br ef d scuss on about the nc uded samp e resu ts, nc ud ng a d scuss on of an non-conformances to protoco obser ed e ther at samp e rece pt b the aborator from the f e d or dur ng the ana t ca process If present, there be a sect on n the Case arrat e to d scuss the mean ng of an data ua f ers used n the report
ua t Contro Summar c	Th s sect on of the report nc udes the resu ts of the aborator ua t contro ana ses re u red b procedure or ana t ca methods to ass st n e a uat ng the a d t of the resu ts reported for our samp es These ana ses are not be ng performed on our samp es t p ca , but on aborator generated mater a
Samp e Cha n of Custod Sc	Th s s the document created n the f e d hen our samp es ere n t a co ected Th s s used to er f the t me and date of co ect on, the person co ect ng the samp es, and the ana ses that the aborator s re uested to perform Th s cha n of custod a so documents a persons e c ud ng commerc a sh ppers that ha e had contro or possess on of the samp es from the t me of co ect on unt de er to the aborator for ana s s
Samp e esu ts Sr	Th s sect on of our report pro de the resu ts of a test ng performed on our samp es These resu ts are pro ded b samp e I and are separated b the ana ses performed on each samp e The header ne of each ana s s sect on for each samp e pro de the name and method number for the ana s s reported
Samp e Summar Ss	Th s sect on of the Ana t ca eport def nes the spec f c ana ses performed for each samp e I , nc ud ng the dates and t mes of preparat on and/or ana s s

ua f er escr pt on

	The same ana te s found n the assoc ated b an
E	The ana te concentrat on e ceeds the upper m t of the ca brat on range of the nstrument estab shed b the n t a ca brat on ICAL
	The dent f cat on of the ana te s acceptab e the reported a ue s an est mate
2	Surrogate reco er m ts ha e been e ceeded a ues are outs de o er contro m ts
3	The assoc ated batch C as outs de the estab shed ua t contro range for prec s on
4	The assoc ated batch C as outs de the estab shed ua t contro range for accurac
5	The samp e matr nterfered th the ab t to ma e an accurate determ nat on sp e a ue s h gh
6	The samp e matr nterfered th the ab t to ma e an accurate determ nat on sp e a ue s o
7	Surrogate reco er cannot be used for contro m t e a uat on due to d ut on

ua f er	escr pt on
P	P bet een the pr mar and conf rmator ana s s e ceeded 40

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ACC E ITATI S L CATI S

Pace Ana t ca at ona 12065 Lebanon d Mount u et, T 37122

Ala ama		Ne raska	N OS
Alaska		Nevada	N
Ari ona	A	Ne ampshire	
Arkansas		Ne ersey N LAP	N
California		Ne Me ico	N
Colorado	N	Ne ork	
Connecticut	P	North Carolina	nv
lorida		North Carolina	D
eorgia	N LAP	North Carolina	
eorgia		North Dakota	R
daho	N	Ohio AP	CL
llinois		Oklahoma	
ndiana	C N	Oregon	N
o a		Pennsylvania	
ansas		Rhode sland	LAO
entucky		South Carolina	
entucky		South Dakota	n a
Louisiana	A	ennessee	
Louisiana	LA	e as	
Maine	N	e as	LAB
Maryland		Utah	N
Massachusetts	M N	ermont	
Michigan		irginia	
Minnesota		ashington	C
Mississippi	N	est irginia	
Missouri		isconsin	
Montana	C R	yoming	A LA
A LA SO	.	A A LAP LLC MLAP	
A LA SO	.	DOD	.
Canada	.	USDA	P
PA Crypto	N		

Drinking ater Underground Storage anks A uatic o icity Chemical Micro iological Mold aste ater n a Accreditation not applica le
Not all certifications held y the la oratory are applica le to the results reported in the attached report.
Accreditation is only applica le to the test methods specified on each scope of accreditation held y Pace Analytical.

Company Name/Address:
Tetra Tech EMI - Houston, TX

1500 CityWest Boulevard
Suite 1000
Houston, TX 77042

Billing Information:
Accounts Payable
901 West Wall
Suite 100
Midland, TX 79701

Pres Chk

Report to:
Diana Eldam/Manuela Pastrano

Email To:
manuela.pastrano@tetratech.com;diana.eldam

Project Description:
DR Horton - (COR) Keller Crossing Phase II

City/State Collected:

Please Circle: PT MT CT ET

Phone: 832-251-5160

Client Project #

Lab Project #
TETRAHTX-KELLER

Collected by (print):
Janine Dragenent

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCA, SV8270 8oz Cl-NoPres	GROCA 40mlAmb/MeOH 10ml/Syr	MRCRA8 8oz Cl-NoPres	SV8081,SV8141,SV8151 8oz Cl-NoPres	V8260 40mlAmb/MeOH 10ml/Syr	Remarks	Sample # (lab only)
Area 11 - Comp	Comp	SS	0-0.5	9/19/24	1025	3	X	X	X	X	X		-01
Area 11-1-0.5	Grab	SS	0-0.5		0935							Hold Samples	
Area 11-1-2		SS	1-2		0940								-02
Area 11-2-0.5		SS	0-0.5		0945								-03
Area 11-2-2		SS	1-2		0950								-04
Area 11-3-0.5		SS	0-0.5		0955								-05
Area 11-3-2		SS	1-2		1000								-06
Area 11-4-0.5		SS	0-0.5		1005								-07
Area 11-4-2		SS	1-2		1010								-08
Area 11-5-0.5		SS	0-0.5		1015								-09

Chain of Custody Page 1 of 2

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MT JULIET, TN

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 # L1[illegible]2
Tab C023

Acctnum: TETRAHTX
Template: T259305
Prelogin: P1097775
PM: 3564 - Chad A Upchurch
PB:

Shipped Via: FedEX Standard

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

Remarks: All discrete soil samples will be placed on hold for the same analyses at the lab pending the results of the composite soil samples.

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
__ UPS __ FedEx __ Courier

Tracking # 7155 0302 0670

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: N
Preservation Correct/Checked: 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
	9/19/24	1230		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: TEMP 1.4 0.3=1.7 °C Bottles Received: 33
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 09/20/2024 Time: 0930

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

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Company Name/Address:
Tetra Tech EMI - Houston, TX

1500 CityWest Boulevard
Suite 1000
Houston, TX 77042

Billing Information:
Accounts Payable
901 West Wall
Suite 100
Midland, TX 79701

Pres Chk

Report to: Diana Eldam/Manuela Pastrano

Email To: manuela.pastrano@tetratech.com;diana.eldam

Project Description: DR Horton - (COR) Keller Crossing Phase II

City/State Collected:

Please Circle: PT MT CT ET

Phone: 832-251-5160

Client Project #

Lab Project # TETRAHTX-KELLER

Collected by (print): Janine Dragenert

Site/Facility ID #

P.O. #

Collected by (signature): Immediately Packed on Ice N ___ Y ✓

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCA, SV8270 8ozClr-NoPres	GROCA 40mlAmb/MeOH 10ml/Syr	MRCRA8 8ozClr-NoPres	SV8081,SV8141,SV8151 8ozClr-NoPres	V8260 40mlAmb/MeOH 10ml/Syr	Remarks	Sample # (lab only)
Area 11-5-2	Grab	SS	1-2	9/19/24	1020	3						Hold Sample	
		SS											
		SS											
		SS											
		SS											
		SS											
		SS											
		SS											
		SS											
		SS											

Chain of Custody Page 2 of 2

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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 #

Table # L1374982

Acctnum: TETRAHTX
Template: T259305
Prelogin: P1097775
PM: 3564 - Chad A Upchurch
PB:
Shipped Via: FedEX Standard

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

Remarks: See page 1 remarks.

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	___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
	9/19/24	1230			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: TLAg 1412.3o1.7 33	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 09/20/2024 Time: 0930	Hold: Condition: NCF / OK

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ANALYTICAL REPORT

September 17, 2024

Tetra Tech EMI - Houston, TX

Samp e e er roup: L1776656

Samp es ece ed: 09/11/2024

Project umber:

escr pt on: Horton - C e er Cross ng Phase II

eport To: ana E dam/Manue a Pastrano
1500 C t est ou e ard
Su te 1000
Houston, TX 77042

Ent re eport e e ed :

Chad A Upchurch
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



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A EA12-C MP L1776656-01 So d

Collected by: MAxx Wlodarczyk
Collected date/time: 09/10/24 14:50
Received date/time: 09/11/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2361630	1	09/12/24 17:56	09/12/24 18:01	KDW	Mt. Juliet, TN
Mercury by Method 7471A	WG2361636	1	09/13/24 09:22	09/13/24 14:54	LAS	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2361859	1	09/13/24 09:01	09/13/24 12:35	JTM	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2361477	27.8	09/10/24 14:50	09/12/24 21:18	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2361553	1.11	09/10/24 14:50	09/12/24 22:07	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2361733	2	09/13/24 13:05	09/14/24 10:13	KKS	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2360814	1	09/13/24 04:03	09/13/24 22:20	LJD	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2360814	1	09/13/24 04:03	09/16/24 19:05	NWH	Mt. Juliet, TN
OP Pesticides by Method 8141	WG2361089	1	09/13/24 14:27	09/14/24 19:03	HMH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2361741	1	09/13/24 07:28	09/13/24 14:41	MEW	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2361742	2	09/13/24 13:08	09/14/24 02:21	DSH	Mt. Juliet, TN

A samp e a uots ere rece ed at the correct temperature, n the proper conta ners, th the appropr ate preser at es, and th n method spec f ed ho d ng t mes, un ess ua f ed or notated th n the report here app cab e, a M L L and L L a ues reported for en ronmenta samp es ha e been corrected for the d ut on factor used n the ana s s A Method and atch ua t Contro are th n estab shed cr ter a e cept here addressed n th s case narrat e, a non-conformance form or proper ua f ed th n the samp e resu ts m d g ta s gnature be o , l aff rm to the best of m no edge, a prob ems/anoma es obser ed b the aborator as ha ng the potent a to affect the ua t of the data ha e been dent f ed b the aborator , and no nformat on or data ha e been no ng thhe d that ou d affect the ua t of the data

Chad A Upchurch
Project Manager

Tota So ds b Method 2540 -2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.6		1	09/12/2024 18:01	WG2361630

Mercur b Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0552		0.0184	0.0410	1	09/13/2024 14:54	WG2361636

Meta s ICP b Method 6010

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.17		0.531	2.05	1	09/13/2024 12:35	WG2361859
Barium	129		0.0873	0.512	1	09/13/2024 12:35	WG2361859
Cadmium	0.234	_	0.0482	0.512	1	09/13/2024 12:35	WG2361859
Chromium	20.0		0.136	1.02	1	09/13/2024 12:35	WG2361859
Lead	11.2		0.213	0.512	1	09/13/2024 12:35	WG2361859
Selenium	2.36		0.783	2.05	1	09/13/2024 12:35	WG2361859
Silver	0.601	__	0.130	1.02	1	09/13/2024 12:35	WG2361859

o at e rgan c Compounds C b Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.33	__	0.966	2.91	27.8	09/12/2024 21:18	WG2361477
(S) a,a,a-Trifluorotoluene(FID)	*106*			*77.0-120*		*09/12/2024 21:18*	WG2361477

o at e rgan c Compounds C/MS b Method 8260

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U	4	0.0424	0.0581	1.11	09/12/2024 22:07	WG2361553
Acrylonitrile	U		0.00420	0.0145	1.11	09/12/2024 22:07	WG2361553
Benzene	U		0.000542	0.00116	1.11	09/12/2024 22:07	WG2361553
Bromobenzene	U		0.00105	0.0145	1.11	09/12/2024 22:07	WG2361553
Bromodichloromethane	U		0.000842	0.00291	1.11	09/12/2024 22:07	WG2361553
Bromoform	U		0.00136	0.0291	1.11	09/12/2024 22:07	WG2361553
Bromomethane	U		0.00229	0.0145	1.11	09/12/2024 22:07	WG2361553
n-Butylbenzene	U		0.00610	0.0145	1.11	09/12/2024 22:07	WG2361553
sec-Butylbenzene	U		0.00335	0.0145	1.11	09/12/2024 22:07	WG2361553
tert-Butylbenzene	U		0.00226	0.00581	1.11	09/12/2024 22:07	WG2361553
Carbon tetrachloride	U		0.00104	0.00581	1.11	09/12/2024 22:07	WG2361553
Chlorobenzene	U		0.000244	0.00291	1.11	09/12/2024 22:07	WG2361553
Chlorodibromomethane	U		0.000710	0.00291	1.11	09/12/2024 22:07	WG2361553
Chloroethane	U		0.00198	0.00581	1.11	09/12/2024 22:07	WG2361553
Chloroform	U		0.00119	0.00291	1.11	09/12/2024 22:07	WG2361553
Chloromethane	U		0.00505	0.0145	1.11	09/12/2024 22:07	WG2361553
2-Chlorotoluene	U		0.00100	0.00291	1.11	09/12/2024 22:07	WG2361553
4-Chlorotoluene	U		0.000523	0.00581	1.11	09/12/2024 22:07	WG2361553
1,2-Dibromo-3-Chloropropane	U		0.00453	0.0291	1.11	09/12/2024 22:07	WG2361553
1,2-Dibromoethane	U		0.000752	0.00291	1.11	09/12/2024 22:07	WG2361553
Dibromomethane	U		0.000872	0.00581	1.11	09/12/2024 22:07	WG2361553
1,2-Dichlorobenzene	U		0.000494	0.00581	1.11	09/12/2024 22:07	WG2361553
1,3-Dichlorobenzene	U		0.000697	0.00581	1.11	09/12/2024 22:07	WG2361553
1,4-Dichlorobenzene	U		0.000813	0.00581	1.11	09/12/2024 22:07	WG2361553
Dichlorodifluoromethane	U		0.00187	0.00581	1.11	09/12/2024 22:07	WG2361553
1,1-Dichloroethane	U		0.000570	0.00291	1.11	09/12/2024 22:07	WG2361553

o at e rgan c Compounds C/MS b Method 8260

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.000753	0.00291	1.11	09/12/2024 22:07	WG2361553
1,1-Dichloroethene	U		0.000704	0.00291	1.11	09/12/2024 22:07	WG2361553
cis-1,2-Dichloroethene	U		0.000853	0.00291	1.11	09/12/2024 22:07	WG2361553
trans-1,2-Dichloroethene	U		0.00120	0.00581	1.11	09/12/2024 22:07	WG2361553
1,2-Dichloropropane	U		0.00165	0.00581	1.11	09/12/2024 22:07	WG2361553
1,1-Dichloropropene	U		0.000940	0.00291	1.11	09/12/2024 22:07	WG2361553
1,3-Dichloropropane	U		0.000582	0.00581	1.11	09/12/2024 22:07	WG2361553
cis-1,3-Dichloropropene	U		0.000879	0.00291	1.11	09/12/2024 22:07	WG2361553
trans-1,3-Dichloropropene	U		0.00133	0.00581	1.11	09/12/2024 22:07	WG2361553
2,2-Dichloropropane	U		0.00160	0.00291	1.11	09/12/2024 22:07	WG2361553
Di-isopropyl ether	U		0.000476	0.00116	1.11	09/12/2024 22:07	WG2361553
Ethylbenzene	U		0.000856	0.00291	1.11	09/12/2024 22:07	WG2361553
Hexachloro-1,3-butadiene	U		0.00697	0.0291	1.11	09/12/2024 22:07	WG2361553
Isopropylbenzene	U		0.000494	0.00291	1.11	09/12/2024 22:07	WG2361553
p-Isopropyltoluene	U		0.00296	0.00581	1.11	09/12/2024 22:07	WG2361553
2-Butanone (MEK)	U		0.0738	0.116	1.11	09/12/2024 22:07	WG2361553
Methylene Chloride	U		0.00771	0.0291	1.11	09/12/2024 22:07	WG2361553
4-Methyl-2-pentanone (MIBK)	U		0.00265	0.0291	1.11	09/12/2024 22:07	WG2361553
Methyl tert-butyl ether	U		0.000407	0.00116	1.11	09/12/2024 22:07	WG2361553
Naphthalene	U		0.00567	0.0145	1.11	09/12/2024 22:07	WG2361553
n-Propylbenzene	U		0.00110	0.00581	1.11	09/12/2024 22:07	WG2361553
Styrene	U		0.000266	0.0145	1.11	09/12/2024 22:07	WG2361553
1,1,1,2-Tetrachloroethane	U		0.00110	0.00291	1.11	09/12/2024 22:07	WG2361553
1,1,2,2-Tetrachloroethane	U		0.000807	0.00291	1.11	09/12/2024 22:07	WG2361553
1,1,2-Trichlorotrifluoroethane	U		0.000876	0.00291	1.11	09/12/2024 22:07	WG2361553
Tetrachloroethene	U		0.00104	0.00291	1.11	09/12/2024 22:07	WG2361553
Toluene	U		0.00151	0.00581	1.11	09/12/2024 22:07	WG2361553
1,2,3-Trichlorobenzene	U		0.00852	0.0145	1.11	09/12/2024 22:07	WG2361553
1,2,4-Trichlorobenzene	U		0.00511	0.0145	1.11	09/12/2024 22:07	WG2361553
1,1,1-Trichloroethane	U		0.00107	0.00291	1.11	09/12/2024 22:07	WG2361553
1,1,2-Trichloroethane	U		0.000694	0.00291	1.11	09/12/2024 22:07	WG2361553
Trichloroethene	U		0.000678	0.00116	1.11	09/12/2024 22:07	WG2361553
Trichlorofluoromethane	U		0.000961	0.00291	1.11	09/12/2024 22:07	WG2361553
1,2,3-Trichloropropane	U		0.00188	0.0145	1.11	09/12/2024 22:07	WG2361553
1,2,4-Trimethylbenzene	U		0.00183	0.00581	1.11	09/12/2024 22:07	WG2361553
1,2,3-Trimethylbenzene	U		0.00183	0.00581	1.11	09/12/2024 22:07	WG2361553
1,3,5-Trimethylbenzene	U		0.00232	0.00581	1.11	09/12/2024 22:07	WG2361553
Vinyl chloride	U		0.00135	0.00291	1.11	09/12/2024 22:07	WG2361553
Xylenes, Total	U		0.00102	0.00755	1.11	09/12/2024 22:07	WG2361553
(S) Toluene-d8	*102*			*75.0-131*		*09/12/2024 22:07*	WG2361553
(S) 4-Bromofluorobenzene	*123*			*67.0-138*		*09/12/2024 22:07*	WG2361553
(S) 1,2-Dichloroethane-d4	*90.8*			*70.0-130*		*09/12/2024 22:07*	WG2361553

Sem - o at e rgan c Compounds C b Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	7.91	_	1.51	8.19	2	09/14/2024 10:13	WG2361733
(S) o-Terphenyl	*65.8*			*18.0-148*		*09/14/2024 10:13*	WG2361733

Ch or nated Ac d Herb c des C b Method 8151

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U	4	0.00719	0.0717	1	09/13/2024 22:20	WG2360814
Dalapon	U		0.0116	0.0717	1	09/16/2024 19:05	WG2360814
2,4-DB	U		0.0304	0.0717	1	09/13/2024 22:20	WG2360814
Dicamba	U		0.0161	0.0717	1	09/13/2024 22:20	WG2360814
Dichloroprop	U		0.0251	0.0717	1	09/13/2024 22:20	WG2360814
Dinoseb	U		0.00714	0.0717	1	09/13/2024 22:20	WG2360814
MCPA	U		0.454	6.66	1	09/13/2024 22:20	WG2360814
MCPP	U		0.376	6.66	1	09/13/2024 22:20	WG2360814
2,4,5-T	U		0.00873	0.0717	1	09/13/2024 22:20	WG2360814
2,4,5-TP (Silvex)	U		0.0110	0.0717	1	09/13/2024 22:20	WG2360814
(S) 2,4-Dichlorophenyl Acetic Acid	*63.4*			*22.0-132*		*09/16/2024 19:05*	WG2360814
(S) 2,4-Dichlorophenyl Acetic Acid	*62.8*			*22.0-132*		*09/13/2024 22:20*	WG2360814

P Pest c des b Method 8141

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Azinphos-Methyl	U		0.0326	0.102	1	09/14/2024 19:03	WG2361089
Bolstar (Sulprofos)	U		0.0153	0.102	1	09/14/2024 19:03	WG2361089
Chlorpyrifos	U		0.0161	0.102	1	09/14/2024 19:03	WG2361089
Coumaphos	U		0.0249	0.102	1	09/14/2024 19:03	WG2361089
Demeton,-O and -S	U		0.00598	0.0717	1	09/14/2024 19:03	WG2361089
Diazinon	U		0.0230	0.102	1	09/14/2024 19:03	WG2361089
Dichlorvos	U		0.0307	0.102	1	09/14/2024 19:03	WG2361089
Dimethoate	U		0.0342	0.102	1	09/14/2024 19:03	WG2361089
Disulfoton	U		0.0260	0.102	1	09/14/2024 19:03	WG2361089
EPN	U		0.0283	0.102	1	09/14/2024 19:03	WG2361089
Ethoprop	U		0.0121	0.102	1	09/14/2024 19:03	WG2361089
Ethyl Parathion	U		0.0168	0.102	1	09/14/2024 19:03	WG2361089
Fensulfothion	U		0.0362	0.102	1	09/14/2024 19:03	WG2361089
Fenthion	U		0.0136	0.102	1	09/14/2024 19:03	WG2361089
Malathion	U		0.0183	0.102	1	09/14/2024 19:03	WG2361089
Merphos	U		0.0238	0.102	1	09/14/2024 19:03	WG2361089
Methyl parathion	U		0.0208	0.102	1	09/14/2024 19:03	WG2361089
Mevinphos	U		0.0236	0.102	1	09/14/2024 19:03	WG2361089
Naled	U		0.0492	0.102	1	09/14/2024 19:03	WG2361089
Phorate	U		0.0215	0.102	1	09/14/2024 19:03	WG2361089
Ronnel	U		0.0153	0.102	1	09/14/2024 19:03	WG2361089
Stirophos	U		0.0182	0.102	1	09/14/2024 19:03	WG2361089
Sulfotep	U		0.0101	0.102	1	09/14/2024 19:03	WG2361089
TEPP	U		0.161	1.02	1	09/14/2024 19:03	WG2361089
Tokuthion (Prothothiofos)	U		0.0154	0.102	1	09/14/2024 19:03	WG2361089
Trichloronate	U		0.0206	0.102	1	09/14/2024 19:03	WG2361089
(S) Triphenyl Phosphate	*86.1*			*36.0-121*		*09/14/2024 19:03*	WG2361089

Pest c des C b Method 8081

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00385	0.0205	1	09/13/2024 14:41	WG2361741
Alpha BHC	U		0.00377	0.0205	1	09/13/2024 14:41	WG2361741
Beta BHC	U		0.00388	0.0205	1	09/13/2024 14:41	WG2361741
Delta BHC	U		0.00354	0.0205	1	09/13/2024 14:41	WG2361741
Gamma BHC	U		0.00352	0.0205	1	09/13/2024 14:41	WG2361741
4,4-DDD	U		0.00379	0.0205	1	09/13/2024 14:41	WG2361741
4,4-DDE	U		0.00375	0.0205	1	09/13/2024 14:41	WG2361741

Pest c des C b Method 8081

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
4,4-DDT	U		0.00642	0.0205	1	09/13/2024 14:41	WG2361741
Dieldrin	U		0.00352	0.0205	1	09/13/2024 14:41	WG2361741
Endosulfan I	U		0.00372	0.0205	1	09/13/2024 14:41	WG2361741
Endosulfan II	U		0.00343	0.0205	1	09/13/2024 14:41	WG2361741
Endosulfan sulfate	U		0.00373	0.0205	1	09/13/2024 14:41	WG2361741
Endrin	U		0.00359	0.0205	1	09/13/2024 14:41	WG2361741
Endrin aldehyde	U		0.00347	0.0205	1	09/13/2024 14:41	WG2361741
Endrin ketone	U		0.00728	0.0205	1	09/13/2024 14:41	WG2361741
Heptachlor	U		0.00438	0.0205	1	09/13/2024 14:41	WG2361741
Heptachlor epoxide	U		0.00347	0.0205	1	09/13/2024 14:41	WG2361741
Hexachlorobenzene	U		0.00354	0.0205	1	09/13/2024 14:41	WG2361741
Methoxychlor	U		0.00496	0.0205	1	09/13/2024 14:41	WG2361741
Chlordane	U		0.106	0.307	1	09/13/2024 14:41	WG2361741
Toxaphene	U		0.127	0.410	1	09/13/2024 14:41	WG2361741
(S) Decachlorobiphenyl	*95.8*			*10.0-135*		*09/13/2024 14:41*	WG2361741
(S) Tetrachloro-m-xylene	*90.8*			*10.0-139*		*09/13/2024 14:41*	WG2361741

Sem o at e rgan c Compounds C/MS b Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0111	0.0682	2	09/14/2024 02:21	WG2361742
Acenaphthylene	U		0.00961	0.0682	2	09/14/2024 02:21	WG2361742
Anthracene	U		0.0122	0.0682	2	09/14/2024 02:21	WG2361742
Benzidine	U		0.128	3.42	2	09/14/2024 02:21	WG2361742
Benzo(a)anthracene	U		0.0120	0.0682	2	09/14/2024 02:21	WG2361742
Benzo(b)fluoranthene	U		0.0127	0.0682	2	09/14/2024 02:21	WG2361742
Benzo(k)fluoranthene	U		0.0121	0.0682	2	09/14/2024 02:21	WG2361742
Benzo(g,h,i)perylene	U		0.0125	0.0682	2	09/14/2024 02:21	WG2361742
Benzo(a)pyrene	U		0.0127	0.0682	2	09/14/2024 02:21	WG2361742
Bis(2-chlorethoxy)methane	U		0.0205	0.682	2	09/14/2024 02:21	WG2361742
Bis(2-chloroethyl)ether	U		0.0225	0.682	2	09/14/2024 02:21	WG2361742
2,2-Oxybis(1-Chloropropane)	U		0.0295	0.682	2	09/14/2024 02:21	WG2361742
4-Bromophenyl-phenylether	U		0.0240	0.682	2	09/14/2024 02:21	WG2361742
2-Chloronaphthalene	U		0.0120	0.0682	2	09/14/2024 02:21	WG2361742
4-Chlorophenyl-phenylether	U		0.0238	0.682	2	09/14/2024 02:21	WG2361742
Chrysene	U		0.0135	0.0682	2	09/14/2024 02:21	WG2361742
Dibenz(a,h)anthracene	U		0.0190	0.0682	2	09/14/2024 02:21	WG2361742
3,3-Dichlorobenzidine	U		0.0252	0.682	2	09/14/2024 02:21	WG2361742
2,4-Dinitrotoluene	U		0.0196	0.682	2	09/14/2024 02:21	WG2361742
2,6-Dinitrotoluene	U		0.0223	0.682	2	09/14/2024 02:21	WG2361742
Fluoranthene	U		0.0123	0.0682	2	09/14/2024 02:21	WG2361742
Fluorene	U		0.0111	0.0682	2	09/14/2024 02:21	WG2361742
Hexachlorobenzene	U		0.0242	0.682	2	09/14/2024 02:21	WG2361742
Hexachloro-1,3-butadiene	U		0.0229	0.682	2	09/14/2024 02:21	WG2361742
Hexachlorocyclopentadiene	U		0.0359	0.682	2	09/14/2024 02:21	WG2361742
Hexachloroethane	U		0.0268	0.682	2	09/14/2024 02:21	WG2361742
Indeno(1,2,3-cd)pyrene	U		0.0193	0.0682	2	09/14/2024 02:21	WG2361742
Isophorone	U		0.0209	0.682	2	09/14/2024 02:21	WG2361742
Naphthalene	U		0.0171	0.0682	2	09/14/2024 02:21	WG2361742
Nitrobenzene	U		0.0238	0.682	2	09/14/2024 02:21	WG2361742
n-Nitrosodimethylamine	U		0.101	0.682	2	09/14/2024 02:21	WG2361742
n-Nitrosodiphenylamine	U		0.0516	0.682	2	09/14/2024 02:21	WG2361742
n-Nitrosodi-n-propylamine	U		0.0227	0.682	2	09/14/2024 02:21	WG2361742
Phenanthrene	U		0.0135	0.0682	2	09/14/2024 02:21	WG2361742
Benzylbutyl phthalate	U		0.0213	0.682	2	09/14/2024 02:21	WG2361742
Bis(2-ethylhexyl)phthalate	U		0.0865	0.682	2	09/14/2024 02:21	WG2361742

Sem o at e rgan c Compounds C/MS b Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Di-n-butyl phthalate	U		0.0234	0.682	2	09/14/2024 02:21	WG2361742
Diethyl phthalate	U		0.0225	0.682	2	09/14/2024 02:21	WG2361742
Dimethyl phthalate	U		0.144	0.682	2	09/14/2024 02:21	WG2361742
Di-n-octyl phthalate	U		0.0461	0.682	2	09/14/2024 02:21	WG2361742
Pyrene	U		0.0133	0.0682	2	09/14/2024 02:21	WG2361742
1,2,4-Trichlorobenzene	U		0.0213	0.682	2	09/14/2024 02:21	WG2361742
4-Chloro-3-methylphenol	U		0.0221	0.682	2	09/14/2024 02:21	WG2361742
2-Chlorophenol	U		0.0225	0.682	2	09/14/2024 02:21	WG2361742
2,4-Dichlorophenol	U		0.0199	0.682	2	09/14/2024 02:21	WG2361742
2,4-Dimethylphenol	U		0.0178	0.682	2	09/14/2024 02:21	WG2361742
4,6-Dinitro-2-methylphenol	U		0.155	0.682	2	09/14/2024 02:21	WG2361742
2,4-Dinitrophenol	U		0.160	0.682	2	09/14/2024 02:21	WG2361742
2-Nitrophenol	U		0.0244	0.682	2	09/14/2024 02:21	WG2361742
4-Nitrophenol	U		0.0213	0.682	2	09/14/2024 02:21	WG2361742
Pentachlorophenol	U		0.0183	0.682	2	09/14/2024 02:21	WG2361742
Phenol	U		0.0275	0.682	2	09/14/2024 02:21	WG2361742
2,4,6-Trichlorophenol	U		0.0219	0.682	2	09/14/2024 02:21	WG2361742
(S) 2-Fluorophenol	*65.3*			*12.0-120*		*09/14/2024 02:21*	WG2361742
(S) Phenol-d5	*62.2*			*10.0-120*		*09/14/2024 02:21*	WG2361742
(S) Nitrobenzene-d5	*56.6*			*10.0-122*		*09/14/2024 02:21*	WG2361742
(S) 2-Fluorobiphenyl	*63.4*			*15.0-120*		*09/14/2024 02:21*	WG2361742
(S) 2,4,6-Tribromophenol	*76.4*			*10.0-127*		*09/14/2024 02:21*	WG2361742
(S) p-Terphenyl-d14	*74.8*			*10.0-120*		*09/14/2024 02:21*	WG2361742

Sample Narrative:

L1776656-01 WG2361742: Dilution due to matrix impact during extraction procedure

Method an M

M 4119364-1 09/12/24 18:01

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

L1776654-01 r g na Samp e S up cate UP

S L1776654-01 09/12/24 18:01 UP 4119364-3 09/12/24 18:01

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	98.2	98.2	1	0.0263		10

Laborator Contro Samp e LCS

LCS 4119364-2 09/12/24 18:01

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method an M

M 4119540-1 09/13/24 13:35

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

Laborator Contro Samp e LCS

LCS 4119540-2 09/13/24 13:38

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Mercury	0.500	0.568	114	80.0-120	

L1776638-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1776638-01 09/13/24 13:40 MS 4119540-4 09/13/24 13:53 MS 4119540-5 09/13/24 13:56

	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
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Mercury	0.514	0.0386	0.673	0.609	123	111	1	75.0-125			10.1	20

Method an M

M 4119571-1 09/13/24 12:40

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Lead	U		0.208	0.500
Selenium	U		0.764	2.00
Silver	0.499	_	0.127	1.00

Laborator Contro Samp e LCS

LCS 4119571-2 09/13/24 12:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	88.7	88.7	80.0-120	
Barium	100	91.2	91.2	80.0-120	
Cadmium	100	89.7	89.7	80.0-120	
Chromium	100	89.0	89.0	80.0-120	
Lead	100	89.3	89.3	80.0-120	
Selenium	100	89.9	89.9	80.0-120	
Silver	20.0	18.3	91.6	80.0-120	

L1776654-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1776654-01 09/13/24 12:44 MS 4119571-5 09/13/24 12:49 MS 4119571-6 09/13/24 12:50

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 %
Arsenic	102	4.71	80.0	92.9	73.9	86.6	1	75.0-125	6		15.0	20
Barium	102	132	201	234	67.6	99.9	1	75.0-125	6		15.1	20
Cadmium	102	0.307	77.9	89.8	76.2	87.9	1	75.0-125			14.2	20
Chromium	102	20.3	95.2	110	73.6	88.5	1	75.0-125	6		14.7	20
Lead	102	10.9	89.2	104	76.9	91.1	1	75.0-125			15.0	20
Selenium	102	2.03	76.5	88.4	73.1	84.8	1	75.0-125	6		14.5	20
Silver	20.4	0.620	16.2	18.7	76.6	88.9	1	75.0-125			14.3	20

Method an M

M 4119968-3 09/12/24 16:17

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.69	_	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-120*

Laborator Contro Samp e LCS

LCS 4119968-2 09/12/24 15:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.23	84.6	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*77.0-120*	

Method an M

M 4119579-2 09/12/24 19:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method an M

M 4119579-2 09/12/24 19:36

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*100*			*75.0-131*
(S) 4-Bromofluorobenzene	*101*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*

Laborator Contro Samp e LCS

LCS 4119579-1 09/12/24 17:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	1.29	206	10.0-160	4
Acrylonitrile	0.625	0.857	137	45.0-153	
Benzene	0.125	0.0992	79.4	70.0-123	
Bromobenzene	0.125	0.110	88.0	73.0-121	
Bromodichloromethane	0.125	0.104	83.2	73.0-121	

Laborator Contro Samp e LCS

LCS 4119579-1 09/12/24 17:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromoform	0.125	0.116	92.8	64.0-132	
Bromomethane	0.125	0.151	121	56.0-147	
n-Butylbenzene	0.125	0.115	92.0	68.0-135	
sec-Butylbenzene	0.125	0.112	89.6	74.0-130	
tert-Butylbenzene	0.125	0.110	88.0	75.0-127	
Carbon tetrachloride	0.125	0.113	90.4	66.0-128	
Chlorobenzene	0.125	0.117	93.6	76.0-128	
Chlorodibromomethane	0.125	0.116	92.8	74.0-127	
Chloroethane	0.125	0.159	127	61.0-134	
Chloroform	0.125	0.112	89.6	72.0-123	
Chloromethane	0.125	0.136	109	51.0-138	
2-Chlorotoluene	0.125	0.109	87.2	75.0-124	
4-Chlorotoluene	0.125	0.105	84.0	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.108	86.4	59.0-130	
1,2-Dibromoethane	0.125	0.115	92.0	74.0-128	
Dibromomethane	0.125	0.103	82.4	75.0-122	
1,2-Dichlorobenzene	0.125	0.113	90.4	76.0-124	
1,3-Dichlorobenzene	0.125	0.112	89.6	76.0-125	
1,4-Dichlorobenzene	0.125	0.110	88.0	77.0-121	
Dichlorodifluoromethane	0.125	0.151	121	43.0-156	
1,1-Dichloroethane	0.125	0.137	110	70.0-127	
1,2-Dichloroethane	0.125	0.103	82.4	65.0-131	
1,1-Dichloroethene	0.125	0.113	90.4	65.0-131	
cis-1,2-Dichloroethene	0.125	0.117	93.6	73.0-125	
trans-1,2-Dichloroethene	0.125	0.123	98.4	71.0-125	
1,2-Dichloropropane	0.125	0.106	84.8	74.0-125	
1,1-Dichloropropene	0.125	0.104	83.2	73.0-125	
1,3-Dichloropropane	0.125	0.113	90.4	80.0-125	
cis-1,3-Dichloropropene	0.125	0.122	97.6	76.0-127	
trans-1,3-Dichloropropene	0.125	0.114	91.2	73.0-127	
2,2-Dichloropropane	0.125	0.113	90.4	59.0-135	
Di-isopropyl ether	0.125	0.166	133	60.0-136	
Ethylbenzene	0.125	0.116	92.8	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.122	97.6	57.0-150	
Isopropylbenzene	0.125	0.126	101	72.0-127	
p-Isopropyltoluene	0.125	0.118	94.4	72.0-133	
2-Butanone (MEK)	0.625	0.747	120	30.0-160	
Methylene Chloride	0.125	0.124	99.2	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.620	99.2	56.0-143	
Methyl tert-butyl ether	0.125	0.131	105	66.0-132	

Laborator Contro Samp e LCS

LCS 4119579-1 09/12/24 17:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.125	0.0822	65.8	59.0-130	
n-Propylbenzene	0.125	0.106	84.8	74.0-126	
Styrene	0.125	0.105	84.0	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.116	92.8	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.0996	79.7	68.0-128	
1,1,2-Trichlorotrifluoroethane	0.125	0.0780	62.4	61.0-139	
Tetrachloroethene	0.125	0.120	96.0	70.0-136	
Toluene	0.125	0.108	86.4	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.108	86.4	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.0945	75.6	62.0-137	
1,1,1-Trichloroethane	0.125	0.108	86.4	69.0-126	
1,1,2-Trichloroethane	0.125	0.111	88.8	78.0-123	
Trichloroethene	0.125	0.120	96.0	76.0-126	
Trichlorofluoromethane	0.125	0.153	122	61.0-142	
1,2,3-Trichloropropane	0.125	0.105	84.0	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.110	88.0	70.0-126	
1,2,3-Trimethylbenzene	0.125	0.108	86.4	74.0-124	
1,3,5-Trimethylbenzene	0.125	0.109	87.2	73.0-127	
Vinyl chloride	0.125	0.147	118	63.0-134	
Xylenes, Total	0.375	0.345	92.0	72.0-127	
(S) Toluene-d8			*97.8*	*75.0-131*	
(S) 4-Bromofluorobenzene			*100*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*92.2*	*70.0-130*	

Method an M

M 4119813-1 09/13/24 18:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C12-C22 Hydrocarbons	U		0.733	4.00
(S) o-Terphenyl	*55.7*			*18.0-148*

Laborator Contro Samp e LCS

LCS 4119813-2 09/13/24 18:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C12-C22 Hydrocarbons	50.0	38.5	77.0	50.0-150	
(S) o-Terphenyl			*64.1*	*18.0-148*	

L1774549-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1774549-01 09/14/24 03:27 MS 4119813-3 09/14/24 03:40 MS 4119813-4 09/14/24 03:53

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 %
C12-C22 Hydrocarbons	48.9	3.99	47.6	42.8	89.2	79.4	2	50.0-150			10.6	20
(S) o-Terphenyl					*67.0*	*62.7*		*18.0-148*				

Sample Narrative:

OS: Dilution due to matrix impact during extraction procedure

Method an M

M 4119914-1 09/13/24 16:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
2,4-D	U		0.00702	0.0700
Dalapon	U		0.0113	0.0700
2,4-DB	U		0.0297	0.0700
Dicamba	U		0.0157	0.0700
Dichloroprop	U		0.0245	0.0700
Dinoseb	U		0.00697	0.0700
MCPA	U		0.443	6.50
MCPP	U		0.367	6.50
2,4,5-T	U		0.00852	0.0700
2,4,5-TP (Silvex)	U		0.0107	0.0700
(S) 2,4-Dichlorophenyl Acetic Acid	*80.8*			*22.0-132*

Laborator Contro Samp e LCS

LCS 4119914-2 09/13/24 17:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4-D	0.0833	0.114	137	40.0-120	4
Dalapon	0.0833	0.0770	92.4	15.0-120	
2,4-DB	0.0833	0.0858	103	25.0-143	
Dicamba	0.0833	0.0747	89.7	43.0-120	
Dichloroprop	0.0833	0.0745	89.4	32.0-129	
Dinoseb	0.0833	0.0224	26.9	10.0-120	
MCPA	8.33	8.23	98.8	31.0-121	
MCPP	8.33	7.22	86.7	28.0-133	
2,4,5-T	0.0833	0.0850	102	41.0-120	
2,4,5-TP (Silvex)	0.0833	0.0689	82.7	42.0-120	
(S) 2,4-Dichlorophenyl Acetic Acid			*83.8*	*22.0-132*	

L1776587-11 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1776587-11 09/13/24 21:00 MS 4119914-3 09/13/24 21:12 MS 4119914-4 09/13/24 21:23

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 %
2,4-D	0.0848	U	0.105	0.106	124	125	1	10.0-160			0.966	24
Dalapon	0.0848	U	0.0583	0.0528	68.7	62.1	1	10.0-121			9.75	27
2,4-DB	0.0848	U	0.0516	0.0557	60.8	65.4	1	10.0-160			7.62	22

L1776587-11 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1776587-11 09/13/24 21:00 MS 4119914-3 09/13/24 21:12 MS 4119914-4 09/13/24 21:23

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	%	%		%			%	%
Dicamba	0.0848	U	0.0579	0.0553	68.2	64.9	1	10.0-154			4.52	21
Dichloroprop	0.0848	U	0.0642	0.0654	75.7	76.8	1	10.0-158			1.89	20
Dinoseb	0.0848	U	0.0447	0.0509	52.7	59.8	1	10.0-120			13.0	40
MCPA	8.48	U	15.3	14.5	181	170	1	10.0-160	5	5	5.48	40
MCPP	8.48	U	10.0	8.11	118	95.2	1	10.0-160			21.4	40
2,4,5-T	0.0848	U	0.0732	0.0744	86.3	87.4	1	10.0-157			1.66	20
2,4,5-TP (Silvex)	0.0848	U	0.0601	0.0628	70.8	73.7	1	10.0-156			4.33	20
(S) 2,4-Dichlorophenyl Acetic Acid					*74.1*	*74.9*		*22.0-132*				

Method an M

M 4120155-1 09/14/24 17:22

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Azinphos-Methyl	U		0.0318	0.100
Bolstar (Sulprofos)	U		0.0149	0.100
Chlorpyrifos	U		0.0157	0.100
Coumaphos	U		0.0243	0.100
Demeton,-O and -S	U		0.00584	0.0700
Diazinon	U		0.0225	0.100
Dichlorvos	U		0.0300	0.100
Dimethoate	U		0.0334	0.100
Disulfoton	U		0.0254	0.100
EPN	U		0.0276	0.100
Ethoprop	U		0.0118	0.100
Ethyl Parathion	U		0.0164	0.100
Fensulfothion	U		0.0353	0.100
Fenthion	U		0.0133	0.100
Malathion	U		0.0179	0.100
Merphos	U		0.0232	0.100
Methyl parathion	U		0.0203	0.100
Mevinphos	U		0.0230	0.100
Naled	U		0.0480	0.100
Phorate	U		0.0210	0.100
Ronnel	U		0.0149	0.100
Stirophos	U		0.0178	0.100
Sulfotep	U		0.00986	0.100
TEPP	U		0.157	1.00
Tokuthion (Prothothiofos)	U		0.0150	0.100
Trichloronate	U		0.0201	0.100
(S) Triphenyl Phosphate	*103*			*36.0-121*

Laborator Contro Samp e LCS

LCS 4120155-2 09/14/24 17:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Azinphos-Methyl	0.333	0.350	105	58.0-125	
Bolstar (Sulprofos)	0.333	0.331	99.4	64.0-120	
Chlorpyrifos	0.333	0.342	103	62.0-120	
Coumaphos	0.333	0.356	107	60.0-120	
Demeton,-O and -S	0.167	0.167	100	59.0-120	
Diazinon	0.333	0.304	91.3	49.0-120	

Laborator Contro Samp e LCS

LCS 4120155-2 09/14/24 17:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dichlorvos	0.333	0.203	61.0	37.0-120	
Dimethoate	0.333	0.323	97.0	46.0-127	
Disulfoton	0.333	0.325	97.6	60.0-121	
EPN	0.333	0.343	103	60.0-121	
Ethoprop	0.333	0.329	98.8	59.0-120	
Ethyl Parathion	0.333	0.349	105	62.0-120	
Fensulfothion	0.333	0.327	98.2	58.0-123	
Fenthion	0.333	0.319	95.8	61.0-121	
Malathion	0.333	0.360	108	59.0-120	
Merphos	0.333	0.245	73.6	59.0-120	
Methyl parathion	0.333	0.323	97.0	63.0-120	
Mevinphos	0.333	0.254	76.3	50.0-120	
Naled	0.333	0.161	48.3	10.0-125	
Phorate	0.333	0.322	96.7	60.0-120	
Ronnel	0.333	0.312	93.7	62.0-120	
Stirophos	0.333	0.324	97.3	62.0-120	
Sulfotep	0.333	0.392	118	62.0-122	
TEPP	3.33	0.767	23.0	10.0-135	
Tokuthion (Prothothiofos)	0.333	0.331	99.4	63.0-120	
Trichloronate	0.333	0.347	104	62.0-120	
(S) Triphenyl Phosphate			*103*	*36.0-121*	

Method an M

M 4119775-1 09/13/24 13:52

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	*76.6*			*10.0-135*
(S) Tetrachloro-m-xylene	*81.8*			*10.0-139*

Laborator Contro Samp e LCS

LCS 4119775-2 09/13/24 14:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Aldrin	0.0666	0.0589	88.4	34.0-136	
Alpha BHC	0.0666	0.0585	87.8	34.0-139	
Beta BHC	0.0666	0.0554	83.2	34.0-133	
Delta BHC	0.0666	0.0556	83.5	34.0-135	
Gamma BHC	0.0666	0.0587	88.1	34.0-136	
4,4-DDD	0.0666	0.0591	88.7	33.0-141	
4,4-DDE	0.0666	0.0580	87.1	34.0-134	
4,4-DDT	0.0666	0.0588	88.3	30.0-143	
Dieldrin	0.0666	0.0589	88.4	35.0-137	
Endosulfan I	0.0666	0.0570	85.6	34.0-134	

Laborator Contro Samp e LCS

LCS 4119775-2 09/13/24 14:02

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endosulfan II	0.0666	0.0583	87.5	35.0-132	
Endosulfan sulfate	0.0666	0.0564	84.7	35.0-132	
Endrin	0.0666	0.0562	84.4	34.0-137	
Endrin aldehyde	0.0666	0.0541	81.2	23.0-121	
Endrin ketone	0.0666	0.0592	88.9	35.0-144	
Heptachlor	0.0666	0.0585	87.8	36.0-141	
Heptachlor epoxide	0.0666	0.0579	86.9	36.0-134	
Hexachlorobenzene	0.0666	0.0567	85.1	33.0-129	
Methoxychlor	0.0666	0.0561	84.2	28.0-150	
(S) Decachlorobiphenyl			*84.2*	*10.0-135*	
(S) Tetrachloro-m-xylene			*93.2*	*10.0-139*	

L1775077-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1775077-01 09/13/24 14:12 MS 4119775-3 09/13/24 14:22 MS 4119775-4 09/13/24 14:32

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 %
Aldrin	0.0659	U	0.0583	0.0474	88.5	72.6	1	20.0-135			20.6	37
Alpha BHC	0.0659	U	0.0571	0.0462	86.6	70.8	1	27.0-140			21.1	35
Beta BHC	0.0659	U	0.0542	0.0443	82.2	67.8	1	23.0-141			20.1	37
Delta BHC	0.0659	U	0.0542	0.0440	82.2	67.4	1	21.0-138			20.8	35
Gamma BHC	0.0659	U	0.0574	0.0466	87.1	71.4	1	27.0-137			20.8	36
4,4-DDD	0.0659	U	0.0629	0.0509	95.4	77.9	1	15.0-152			21.1	39
4,4-DDE	0.0659	0.0387	0.111	0.0876	110	74.9	1	10.0-152			23.6	40
4,4-DDT	0.0659	U	0.0606	0.0491	92.0	75.2	1	10.0-151			21.0	40
Dieldrin	0.0659	U	0.0615	0.0515	93.3	78.9	1	17.0-145			17.7	37
Endosulfan I	0.0659	U	0.0577	0.0466	87.6	71.4	1	20.0-137			21.3	36
Endosulfan II	0.0659	U	0.0618	0.0506	93.8	77.5	1	15.0-141			19.9	37
Endosulfan sulfate	0.0659	U	0.0552	0.0462	83.8	70.8	1	15.0-143			17.8	38
Endrin	0.0659	U	0.0582	0.0485	88.3	74.3	1	19.0-143			18.2	37
Endrin aldehyde	0.0659	U	0.0602	0.0509	91.4	77.9	1	10.0-139			16.7	40
Endrin ketone	0.0659	U	0.0580	0.0481	88.0	73.7	1	17.0-149			18.7	38
Heptachlor	0.0659	U	0.0580	0.0472	88.0	72.3	1	22.0-138			20.5	37
Heptachlor epoxide	0.0659	U	0.0583	0.0474	88.5	72.6	1	22.0-138			20.6	36
Hexachlorobenzene	0.0659	U	0.0553	0.0455	83.9	69.7	1	25.0-126			19.4	35
Methoxychlor	0.0659	U	0.0639	0.0538	97.0	82.4	1	10.0-159			17.2	40
(S) Decachlorobiphenyl					*95.8*	*88.4*		*10.0-135*				
(S) Tetrachloro-m-xylene					*93.2*	*85.5*		*10.0-139*				

Method an M

M 4120207-3 09/13/24 21:52

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
Anthracene	U		0.00593	0.0333
Benzidine	U		0.0626	1.67
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
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
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
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
Naphthalene	U		0.00836	0.0333
Nitrobenzene	U		0.0116	0.333
n-Nitrosodimethylamine	U		0.0494	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

Method an M

M 4120207-3 09/13/24 21:52

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Pyrene	U		0.00648	0.0333
1,2,4-Trichlorobenzene	U		0.0104	0.333
4-Chloro-3-methylphenol	U		0.0108	0.333
2-Chlorophenol	U		0.0110	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
2,4,6-Trichlorophenol	U		0.0107	0.333
(S) 2-Fluorophenol	*72.8*			*12.0-120*
(S) Phenol-d5	*67.7*			*10.0-120*
(S) Nitrobenzene-d5	*59.2*			*10.0-122*
(S) 2-Fluorobiphenyl	*68.8*			*15.0-120*
(S) 2,4,6-Tribromophenol	*68.2*			*10.0-127*
(S) p-Terphenyl-d14	*76.9*			*10.0-120*

Laborator Contro Samp e LCS

LCS 4120207-1 09/13/24 21:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acenaphthene	0.666	0.543	81.5	38.0-120	
Acenaphthylene	0.666	0.539	80.9	40.0-120	
Anthracene	0.666	0.606	91.0	42.0-120	
Benzidine	1.33	0.571	42.9	10.0-120	
Benzo(a)anthracene	0.666	0.592	88.9	44.0-120	
Benzo(b)fluoranthene	0.666	0.602	90.4	43.0-120	
Benzo(k)fluoranthene	0.666	0.621	93.2	44.0-120	
Benzo(g,h,i)perylene	0.666	0.572	85.9	43.0-120	
Benzo(a)pyrene	0.666	0.623	93.5	45.0-120	
Bis(2-chlorethoxy)methane	0.666	0.436	65.5	20.0-120	
Bis(2-chloroethyl)ether	0.666	0.593	89.0	16.0-120	
2,2-Oxybis(1-Chloropropane)	0.666	0.494	74.2	23.0-120	
4-Bromophenyl-phenylether	0.666	0.627	94.1	40.0-120	
2-Chloronaphthalene	0.666	0.524	78.7	35.0-120	

Laborator Contro Samp e LCS

LCS 4120207-1 09/13/24 21:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Chlorophenyl-phenylether	0.666	0.578	86.8	40.0-120	
Chrysene	0.666	0.609	91.4	43.0-120	
Dibenz(a,h)anthracene	0.666	0.618	92.8	44.0-120	
3,3-Dichlorobenzidine	1.33	1.07	80.5	28.0-120	
2,4-Dinitrotoluene	0.666	0.615	92.3	45.0-120	
2,6-Dinitrotoluene	0.666	0.582	87.4	42.0-120	
Fluoranthene	0.666	0.628	94.3	44.0-120	
Fluorene	0.666	0.569	85.4	41.0-120	
Hexachlorobenzene	0.666	0.587	88.1	39.0-120	
Hexachloro-1,3-butadiene	0.666	0.448	67.3	15.0-120	
Hexachlorocyclopentadiene	0.666	0.411	61.7	15.0-120	
Hexachloroethane	0.666	0.466	70.0	17.0-120	
Indeno(1,2,3-cd)pyrene	0.666	0.569	85.4	45.0-120	
Isophorone	0.666	0.422	63.4	23.0-120	
Naphthalene	0.666	0.441	66.2	18.0-120	
Nitrobenzene	0.666	0.412	61.9	17.0-120	
n-Nitrosodimethylamine	0.666	0.453	68.0	10.0-125	
n-Nitrosodiphenylamine	0.666	0.589	88.4	40.0-120	
n-Nitrosodi-n-propylamine	0.666	0.492	73.9	26.0-120	
Phenanthrene	0.666	0.600	90.1	42.0-120	
Benzylbutyl phthalate	0.666	0.577	86.6	40.0-120	
Bis(2-ethylhexyl)phthalate	0.666	0.575	86.3	41.0-120	
Di-n-butyl phthalate	0.666	0.593	89.0	43.0-120	
Diethyl phthalate	0.666	0.576	86.5	43.0-120	
Dimethyl phthalate	0.666	0.557	83.6	43.0-120	
Di-n-octyl phthalate	0.666	0.564	84.7	40.0-120	
Pyrene	0.666	0.592	88.9	41.0-120	
1,2,4-Trichlorobenzene	0.666	0.438	65.8	17.0-120	
4-Chloro-3-methylphenol	0.666	0.439	65.9	28.0-120	
2-Chlorophenol	0.666	0.523	78.5	28.0-120	
2,4-Dichlorophenol	0.666	0.468	70.3	25.0-120	
2,4-Dimethylphenol	0.666	0.457	68.6	15.0-120	
4,6-Dinitro-2-methylphenol	0.666	0.564	84.7	16.0-120	
2,4-Dinitrophenol	0.666	0.389	58.4	10.0-120	
2-Nitrophenol	0.666	0.464	69.7	20.0-120	
4-Nitrophenol	0.666	0.568	85.3	27.0-120	
Pentachlorophenol	0.666	0.529	79.4	29.0-120	
Phenol	0.666	0.504	75.7	28.0-120	
2,4,6-Trichlorophenol	0.666	0.501	75.2	37.0-120	
(S) 2-Fluorophenol			*79.4*	*12.0-120*	

Laborator Contro Samp e LCS

LCS 4120207-1 09/13/24 21:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) Phenol-d5			*75.5*	*10.0-120*	
(S) Nitrobenzene-d5			*54.1*	*10.0-122*	
(S) 2-Fluorobiphenyl			*78.4*	*15.0-120*	
(S) 2,4,6-Tribromophenol			*90.4*	*10.0-127*	
(S) p-Terphenyl-d14			*81.1*	*10.0-120*	

L1776754-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1776754-01 09/14/24 03:03 MS 4120207-4 09/14/24 03:24 MS 4120207-5 09/14/24 03:44

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	0.737	U	0.670	0.537	90.8	74.4	10	18.0-120			22.0	32
Acenaphthylene	0.737	U	0.610	0.521	82.7	72.2	10	25.0-120			15.7	32
Anthracene	0.737	0.101	0.785	0.615	92.7	71.2	10	22.0-120			24.2	29
Benzidine	1.47	U	U	U	0.000	0.000	10	10.0-120	6	6	0.000	40
Benzo(a)anthracene	0.737	0.241	1.05	0.733	109	68.1	10	25.0-120		3	35.4	29
Benzo(b)fluoranthene	0.737	0.414	1.31	1.02	121	84.0	10	19.0-122			24.5	31
Benzo(k)fluoranthene	0.737	0.136	0.880	0.749	101	85.0	10	23.0-120			16.0	30
Benzo(g,h,i)perylene	0.737	0.187	0.593	0.433	55.1	34.0	10	10.0-120			31.3	33
Benzo(a)pyrene	0.737	0.253	1.04	0.788	107	74.1	10	24.0-120			27.5	30
Bis(2-chlorethoxy)methane	0.737	U	0.623	0.538	84.5	74.5	10	10.0-120			14.7	34
Bis(2-chloroethyl)ether	0.737	U	0.686	0.620	93.1	85.9	10	10.0-120			10.2	40
2,2-Oxybis(1-Chloropropane)	0.737	U	0.632	0.575	85.7	79.8	10	10.0-120			9.35	40
4-Bromophenyl-phenylether	0.737	U	0.672	0.587	91.1	81.3	10	27.0-120			13.5	30
2-Chloronaphthalene	0.737	U	0.590	0.502	80.0	69.6	10	20.0-120			16.0	32
4-Chlorophenyl-phenylether	0.737	U	0.653	0.543	88.6	75.3	10	24.0-120			18.3	29
Chrysene	0.737	0.225	1.10	0.754	119	73.3	10	21.0-120		3	37.7	29
Dibenz(a,h)anthracene	0.737	U	0.459	0.332	62.3	46.0	10	10.0-120		3	32.2	32
3,3-Dichlorobenzidine	1.47	U	0.356	0.465	24.2	32.3	10	10.0-120			26.4	34
2,4-Dinitrotoluene	0.737	U	0.590	0.407	80.0	56.4	10	30.0-120		3	36.6	31
2,6-Dinitrotoluene	0.737	U	0.634	0.482	86.0	66.9	10	25.0-120			27.2	31
Fluoranthene	0.737	0.550	1.58	0.955	140	56.1	10	18.0-126	5	3	49.5	32
Fluorene	0.737	U	0.676	0.561	91.7	77.8	10	25.0-120			18.6	30
Hexachlorobenzene	0.737	3.31	0.907	0.724	0.000	0.000	10	27.0-120			22.5	28
Hexachloro-1,3-butadiene	0.737	U	0.679	0.557	92.2	77.1	10	10.0-120			19.9	38
Hexachlorocyclopentadiene	0.737	U	U	U	4.73	1.95	10	10.0-120	6	3 6	85.1	40
Hexachloroethane	0.737	U	0.398	0.340	54.1	47.1	10	10.0-120			15.9	40
Indeno(1,2,3-cd)pyrene	0.737	0.163	0.671	0.418	68.9	35.4	10	10.0-120		3	46.3	32
Isophorone	0.737	U	0.621	0.539	84.2	74.7	10	13.0-120			14.1	34

L1776754-01 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1776754-01 09/14/24 03:03 MS 4120207-4 09/14/24 03:24 MS 4120207-5 09/14/24 03:44

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 %
Naphthalene	0.737	U	0.694	0.615	94.1	85.3	10	10.0-120			12.0	35
Nitrobenzene	0.737	U	0.620	0.527	84.1	73.0	10	10.0-120			16.2	36
n-Nitrosodimethylamine	0.737	U	0.644	U	87.4	0.000	10	10.0-127		3 6	200	40
n-Nitrosodiphenylamine	0.737	U	0.650	0.565	88.1	78.4	10	17.0-120			13.8	29
n-Nitrosodi-n-propylamine	0.737	U	0.634	0.583	86.0	80.8	10	10.0-120			8.36	37
Phenanthrene	0.737	0.399	1.16	0.774	103	51.8	10	17.0-120		3	40.1	31
Benzylbutyl phthalate	0.737	U	0.729	0.681	98.9	94.3	10	23.0-120			6.91	30
Bis(2-ethylhexyl)phthalate	0.737	12.4	8.75	2.53	0.000	0.000	10	17.0-126		3	110	30
Di-n-butyl phthalate	0.737	U	0.718	0.645	97.4	89.4	10	30.0-120			10.7	29
Diethyl phthalate	0.737	U	0.629	0.546	85.3	75.6	10	26.0-120			14.1	28
Dimethyl phthalate	0.737	U	U	U	82.4	71.9	10	25.0-120			15.7	29
Di-n-octyl phthalate	0.737	U	0.749	0.626	102	86.8	10	21.0-123			17.9	29
Pyrene	0.737	0.461	1.39	0.940	127	66.3	10	16.0-121	5	3	39.0	32
1,2,4-Trichlorobenzene	0.737	U	0.629	0.549	85.3	76.1	10	12.0-120			13.5	37
4-Chloro-3-methylphenol	0.737	U	0.645	0.600	87.5	83.1	10	15.0-120			7.29	30
2-Chlorophenol	0.737	U	0.629	0.557	85.3	77.1	10	15.0-120			12.1	37
2,4-Dichlorophenol	0.737	U	0.611	0.535	82.9	74.1	10	20.0-120			13.3	31
2,4-Dimethylphenol	0.737	U	0.629	0.546	85.3	75.6	10	10.0-120			14.1	33
4,6-Dinitro-2-methylphenol	0.737	U	U	U	13.3	0.000	10	10.0-120		3 6	200	39
2,4-Dinitrophenol	0.666	U	U	U	0.000	0.000	10	10.0-121	6	6	0.000	40
2-Nitrophenol	0.737	U	0.544	0.419	73.9	58.1	10	12.0-120			25.9	39
4-Nitrophenol	0.737	U	0.590	0.440	80.0	61.0	10	10.0-137			29.0	32
Pentachlorophenol	0.737	U	0.563	0.476	76.4	66.0	10	10.0-160			16.8	31
Phenol	0.737	U	0.609	0.515	82.6	71.3	10	12.0-120			16.7	38
2,4,6-Trichlorophenol	0.737	U	0.536	0.486	72.7	67.3	10	19.0-120			9.75	32
(S) 2-Fluorophenol					*91.1*	*80.4*		*12.0-120*				
(S) Phenol-d5					*80.6*	*72.1*		*10.0-120*				
(S) Nitrobenzene-d5					*66.4*	*67.2*		*10.0-122*				
(S) 2-Fluorobiphenyl					*80.8*	*69.6*		*15.0-120*				
(S) 2,4,6-Tribromophenol					*86.2*	*77.3*		*10.0-127*				
(S) p-Terphenyl-d14					*82.0*	*76.7*		*10.0-120*				

Sample Narrative:

OS: Dilution due to matrix impact during extraction procedure

u de to ead ng and Understand ng our Laborator eport

The nformat on be o s des gned to better e p a n the ar ous terms used n our report of ana t ca resu ts from the Laborator Th s s not ntended as a comprehens e e p anat on, and f ou ha e add t ona uest ons p ease contact our project representat e

esu ts sc a mer - Informat on that ma be pro ded b the customer, and conta ned th n th s report, nc ude Perm t L m ts, Project ame, Samp e I , Samp e Matr , Samp e Preser at on, e d an s, e d Sp es, e d up cates, n-S te ata, Samp ng Co ect on ates/T mes, and Samp ng Locat on esu ts re ate to the accurac of th s nformat on pro ded, and as the samp es are rece ed

Abbre at ons and ef n t ons

dr	esu ts are reported based on the dr e ght of the samp e th s on be present on a dr report bas s for so s
M L	Method etect on L m t
M L dr	Method etect on L m t
L	eported etect on L m t
L dr	eported etect on L m t
ec	eco er
P	e at e Percent fference
S	Samp e e er roup
S	Surrogate Surrogate Standard - Ana tes added to e er b an , samp e, Laborator Contro Samp e/ up cate and Matr Sp e/ up cate used to e a uate ana t ca eff c enc b measur ng reco er Surrogates are not e pected to be detected n a en ronmenta med a
U	ot detected at the eport ng L m t or M L here app cab e
Ana te	The name of the part cu ar compound or ana s s performed Some Ana ses and Methods ha e mu t p e ana tes reported
ut on	If the samp e matr conta ns an nterfer ng mater a , the samp e preparat on o ume or e ght a ues d ffer from the standard, or f concentrat ons of ana tes n the samp e are h gher than the h ghest m t of concentrat on that the aborator can accurate report, the samp e ma be d uted for ana s s If a a ue d fferent than 1 s used n th s f e d, the resu t reported has a read been corrected for th s factor
L m ts	These are the target reco er ranges or d fference a ue that the aborator has h stor ca determ ned as norma for the method and ana te be ng reported Successfu C Samp e ana s s target a ana tes reco ered or dup cated th n these ranges
r g na Samp e	The non-sp ed samp e n the prep batch used to determ ne the e at e Percent fference P from a ua t contro samp e The r g na Samp e ma not be nc uded th n the reported S
ua f er	Th s co umn pro des a etter and/or number des gnat on that corresponds to add t ona nformat on concern ng the resu t reported If a ua f er s present, a def n t on per ua f er s pro ded th n the ossar and ef n t ons page and potent a a d scuss on of poss b e mp cat ons of the ua f er n the Case arrat e f app cab e
esu t	The actua ana t ca f na resu t corrected for an samp e spec f c character st cs reported for our samp e If there as no measurab e resu t returned for a spec f c ana te, the resu t n th s co umn ma state ot etected or L e o etectab e Le e s The nformat on n the resu ts co umn shou d a a s be accompan ed b e ther an M L Method etect on L m t or L eport ng etect on L m t that def nes the o est a ue that the aborator cou d detect or report for th s ana te
Uncerta nt ad ochem str	Conf dence e e of 2 s gma
Case arrat e Cn	A br ef d scuss on about the nc uded samp e resu ts, nc ud ng a d scuss on of an non-conformances to protoco obser ed e ther at samp e rece pt b the aborator from the f e d or dur ng the ana t ca process If present, there be a sect on n the Case arrat e to d scuss the mean ng of an data ua f ers used n the report
ua t Contro Summar c	Th s sect on of the report nc udes the resu ts of the aborator ua t contro ana ses re u red b procedure or ana t ca methods to ass st n e a uat ng the a d t of the resu ts reported for our samp es These ana ses are not be ng performed on our samp es t p ca , but on aborator generated mater a
Samp e Cha n of Custod Sc	Th s s the document created n the f e d hen our samp es ere n t a co ected Th s s used to er f the t me and date of co ect on, the person co ect ng the samp es, and the ana ses that the aborator s re uested to perform Th s cha n of custod a so documents a persons e c ud ng commerc a sh ppers that ha e had contro or possess on of the samp es from the t me of co ect on unt de er to the aborator for ana s s
Samp e esu ts Sr	Th s sect on of our report pro de the resu ts of a test ng performed on our samp es These resu ts are pro ded b samp e I and are separated b the ana ses performed on each samp e The header ne of each ana s s sect on for each samp e pro de the name and method number for the ana s s reported
Samp e Summar Ss	Th s sect on of the Ana t ca eport def nes the spec f c ana ses performed for each samp e I , nc ud ng the dates and t mes of preparat on and/or ana s s

ua f er escr pt on

	The same ana te s found n the assoc ated b an
	The dent f cat on of the ana te s acceptab e the reported a ue s an est mate
3	The assoc ated batch C as outs de the estab shed ua t contro range for prec s on
4	The assoc ated batch C as outs de the estab shed ua t contro range for accurac
5	The samp e matr nterfered th the ab t to ma e an accurate determ nat on sp e a ue s h gh
6	The samp e matr nterfered th the ab t to ma e an accurate determ nat on sp e a ue s o
	The samp e concentrat on s too h gh to e a uate accurate sp e reco er es

ACC E ITATI S L CATI S

Pace Ana t ca at ona 12065 Lebanon d Mount u et, T 37122

Ala ama		Ne raska	N OS
Alaska		Nevada	N
Ari ona	A	Ne ampshire	
Arkansas		Ne ersey N LAP	N
California		Ne Me ico	N
Colorado	N	Ne ork	
Connecticut	P	North Carolina	nv
lorida		North Carolina	D
eorgia	N LAP	North Carolina	
eorgia		North Dakota	R
daho	N	Ohio AP	CL
llinois		Oklahoma	
ndiana	C N	Oregon	N
o a		Pennsylvania	
ansas		Rhode sland	LAO
entucky		South Carolina	
entucky		South Dakota	n a
Louisiana	A	ennessee	
Louisiana	LA	e as	
Maine	N	e as	LAB
Maryland		Utah	N
Massachusetts	M N	ermont	
Michigan		irginia	
Minnesota		ashington	C
Mississippi	N	est irginia	
Missouri		isconsin	
Montana	C R	yoming	A LA
A LA SO	.	A A LAP LLC MLAP	
A LA SO	.	DOD	.
Canada	.	USDA	P
PA Crypto	N		

Drinking ater Underground Storage anks A uatic o icity Chemical Micro iological Mold aste ater n a Accreditation not applica le
Not all certifications held y the la oratory are applica le to the results reported in the attached report.
Accreditation is only applica le to the test methods specified on each scope of accreditation held y Pace Analytical.

Company Name/Address:
Tetra Tech EMI - Houston, TX

1500 CityWest Boulevard
Suite 1000
Houston, TX 77042

Billing Information:
Accounts Payable
901 West Wall
Suite 100
Midland, TX 79701

Pres Chk

Report to: Diana Eldam/Manuela Pastrano

Email To: manuela.pastrano@tetratech.com;diana.eldam

Project Description: DR Horton - (COR) Keller Crossing Phase II

City/State Collected:

Please Circle: PT MT CT ET

Phone: 832-251-5160

Client Project #

Lab Project # TETRAHTX-KELLER

Collected by (print): Mark Wodarczyk

Site/Facility ID #

P.O. #

Collected by (signature): Mwn.

Immediately Packed on Ice N ___ Y ✓

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 1 of 2

Pace
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MT JULIET, TN

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

LPM 08/30

E107

Acctnum: TETRAHTX
Template: T259305
Prelogin: P1097763
PM: 3564 - Chad A Upchurch
PB: 8-29-24 BK
Shipped Via: FedEx Standard

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCA, SV8270 8ozClr-NoPres	GROCA 40mlAmb/MeOH 10ml/Syr	MRCRA8 8ozClr-NoPres	SV8081,SV8141,SV8151 8ozClr-NoPres	V8260 40mlAmb/MeOH 10ml/Syr	Remarks	Sample # (lab only)
Area12-Comp	Comp	SS	0-0.5	9/10/24	1450	3	X	X	X	X	X		-01
Area12-1-0.5	Grab	SS	0-0.5		1330							Hold Sample	-02
Area12-1-2		SS	1-2		1335							Hold Sample	-03
Area12-2-0.5		SS	0-0.5		1345							Hold Sample	-04
Area12-2-2		SS	1-2		1350							Hold Sample	-05
Area12-3-0.5		SS	0-0.5		1410							Hold Sample	-06
Area12-3-2		SS	1-2		1415							Hold Sample	-07
Area12-4-0.5		SS	0-0.5		1420							Hold Sample	-08
Area12-4-2		SS	1-2		1425							Hold Sample	-09
Area12-5-0.5		SS	0-0.5		1440							Hold Sample	-10

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

Remark: All discrete Soil samples will be placed on hold for the same analyses at the lab, pending the Results of the Composite Soil Samples

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: ___ UPS ___ FedEx ___ Courier _____

Tracking # 4102 9169 9092

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 / MeoH / TBR
	9/10/24	1530		1
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.1 °C Bottles Received: 33
				2.1+0.3=0.4
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9-12-24 Time: 0900
			Ei Dano	

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

CONFIDENTIAL

No reliance without separate reliance agreement.

Company Name/Address:
Tetra Tech EMI - Houston, TX

1500 CityWest Boulevard
Suite 1000
Houston, TX 77042

Billing Information:
Accounts Payable
901 West Wall
Suite 100
Midland, TX 79701

Pres Chk

Report to:
Diana Eldam/Manuela Pastrano

Email To:
manuela.pastrano@tetratech.com;diana.eldam

Project Description:
DR Horton - (COR) Keller Crossing Phase II

City/State Collected:

Please Circle: PT MT CT ET

Phone: 832-251-5160

Client Project #

Lab Project #
TETRAHTX-KELLER

Collected by (print):
Mark Modakevych

Site/Facility ID #

P.O. #

Collected by (signature):
Mark M.

Immediately Packed on Ice N ___ Y ✓

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

Quote #

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	DROCA, SV8270 8ozClr-NoPres	GROCA 40mlAmb/MeOH10ml/Syr	MRCRA8 8ozClr-NoPres	SV8081,SV8141,SV8151 8ozClr-NoPres	V8260 40mlAmb/MeOH10ml/Syr						Remarks	Sample # (lab only)
Area 12-5-2	Grab	SS	1-2	9/10/24	1445	3											Hold sample "1"	
		SS																
		SS																
		SS																
		SS																
		SS																
		SS																
		SS																
		SS																
		SS																

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
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 # L1271006

Table #

Acctnum: TETRAHTX
Template: T259305
Prelogin: P1097763
PM: 3564 - Chad A Upchurch
PB: 8-29-24 BK
Shipped Via: FedEX Standard

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

Remarks: See page 1 remarks

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 4102 9169 9082

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) / MeOH / TBR	If preservation required by Login: Date/Time
[signature]	9/10/24	1530		1	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.1 °C Bottles Received: 33	
				0+0.3=0.4	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9-11-24 Time: 0900	Hold: Condition: NCF / OK
CONFIDENTIAL			[signature] 17		

No reliance without separate reliance agreement.

ANALYTICAL REPORT

September 20, 2024

Tetra Tech EMI - Houston, TX

Samp e e er roup: L1777203

Samp es ece ed: 09/12/2024

Project umber:

escr pt on: Horton - C e er Cross ng Phase II

eport To: ana E dam/Manue a Pastrano
1500 C t est ou e ard
Su te 1000
Houston, TX 77042

Ent re eport e e ed :

Chad A Upchurch
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

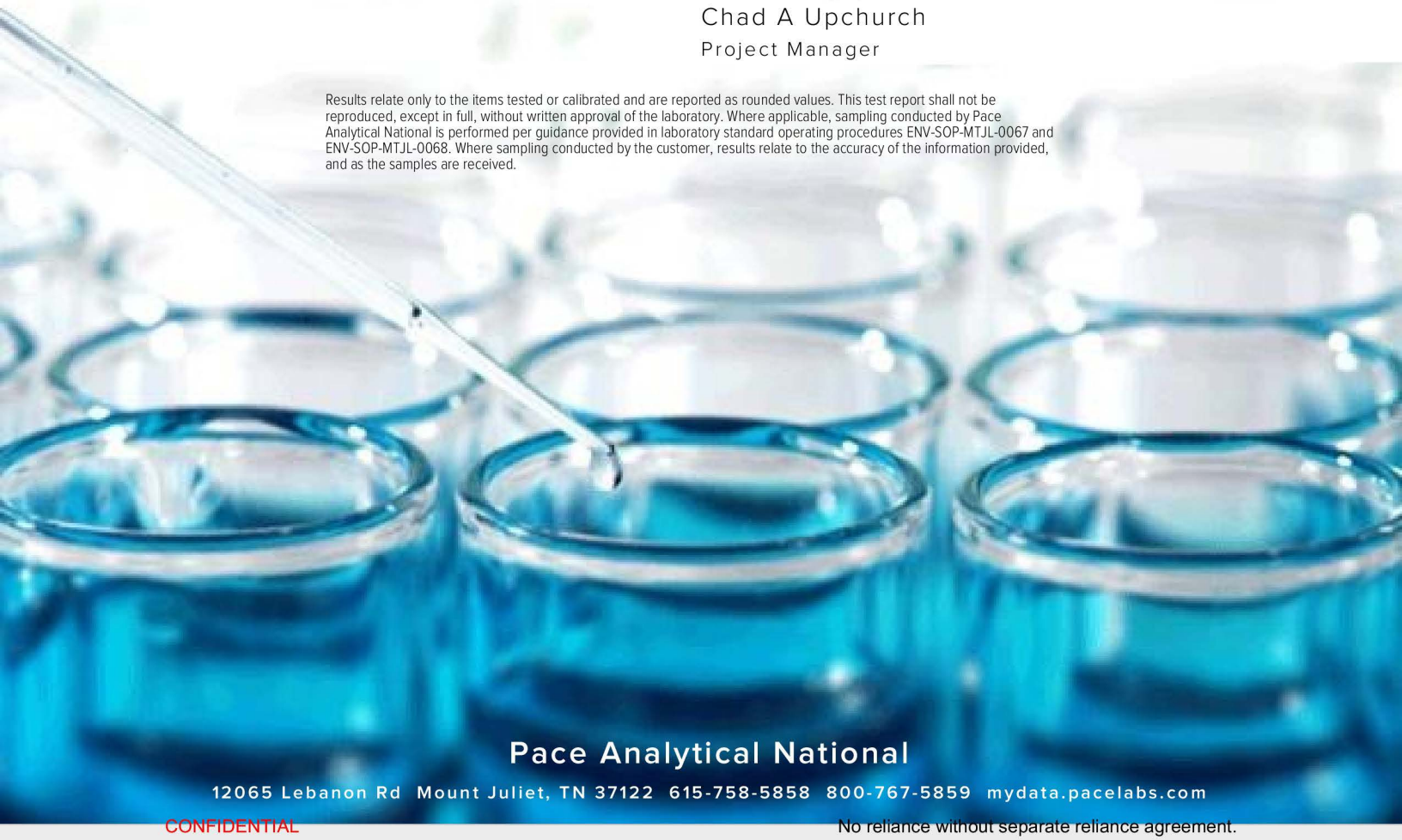


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A EA 13-C MP L1777203-01 So d

Collected by: J.A.
Collected date/time: 09/11/24 12:45
Received date/time: 09/12/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG2362343	1	09/14/24 09:38	09/14/24 09:50	CMB	Mt. Juliet, TN
Mercury by Method 7471A	WG2362413	1	09/14/24 15:44	09/15/24 15:30	AKB	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG2362655	1	09/14/24 17:15	09/14/24 19:30	MAP	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG2362169	29.8	09/11/24 12:45	09/13/24 21:13	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2362311	1.19	09/11/24 12:45	09/13/24 21:26	JAH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG2362676	2	09/15/24 08:27	09/16/24 14:03	JSS	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG2361757	1	09/14/24 06:22	09/15/24 02:30	HCS	Mt. Juliet, TN
OP Pesticides by Method 8141	WG2362681	1	09/15/24 15:35	09/16/24 12:58	HMH	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG2362484	1	09/14/24 11:45	09/15/24 00:45	HCS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2364587	10	09/18/24 07:42	09/19/24 19:42	DSH	Mt. Juliet, TN

A samp e a uots ere rece ed at the correct temperature, n the proper conta ners, th the appropr ate preser at es, and th n method spec f ed ho d ng t mes, un ess ua f ed or notated th n the report here app cab e, a M L L and L L a ues reported for en ronmenta samp es ha e been corrected for the d ut on factor used n the ana s s A Method and atch ua t Contro are th n estab shed cr ter a e cept here addressed n th s case narrat e, a non-conformance form or proper ua f ed th n the samp e resu ts m d g ta s gnature be o , I aff rm to the best of m no edge, a prob ems/anoma es obser ed b the aborator as ha ng the potent a to affect the ua t of the data ha e been dent f ed b the aborator , and no nformat on or data ha e been no ng thhe d that ou d affect the ua t of the data



Chad A Upchurch
Project Manager

Project arrat e

2364587: He ach oroc c opentad ne s report ng th cr t ca o reco er n the aborator contro samp e s Th s compound s a method def ned poor performer esu ts are est mated

Tota So ds b Method 2540 -2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.3		1	09/14/2024 09:50	WG2362343

Mercur b Method 7471A

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0672		0.0183	0.0407	1	09/15/2024 15:30	WG2362413

Meta s ICP b Method 6010

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.50		0.527	2.04	1	09/14/2024 19:30	WG2362655
Barium	125		0.0867	0.509	1	09/14/2024 19:30	WG2362655
Cadmium	0.147	_	0.0479	0.509	1	09/14/2024 19:30	WG2362655
Chromium	16.0		0.135	1.02	1	09/14/2024 19:30	WG2362655
Lead	7.91		0.212	0.509	1	09/14/2024 19:30	WG2362655
Selenium	1.52	_	0.777	2.04	1	09/14/2024 19:30	WG2362655
Silver	0.324	_	0.129	1.02	1	09/14/2024 19:30	WG2362655

o at e rgan c Compounds C b Method 8015

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	1.72	__	1.02	3.08	29.8	09/13/2024 21:13	WG2362169
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*77.0-120*		*09/13/2024 21:13*	WG2362169

o at e rgan c Compounds C/MS b Method 8260

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Acetone	0.0460	_	0.0448	0.0614	1.19	09/13/2024 21:26	WG2362311
Acrylonitrile	U		0.00444	0.0154	1.19	09/13/2024 21:26	WG2362311
Benzene	U		0.000574	0.00123	1.19	09/13/2024 21:26	WG2362311
Bromobenzene	U		0.00110	0.0154	1.19	09/13/2024 21:26	WG2362311
Bromodichloromethane	U		0.000891	0.00307	1.19	09/13/2024 21:26	WG2362311
Bromoform	U		0.00143	0.0307	1.19	09/13/2024 21:26	WG2362311
Bromomethane	U		0.00242	0.0154	1.19	09/13/2024 21:26	WG2362311
n-Butylbenzene	U		0.00645	0.0154	1.19	09/13/2024 21:26	WG2362311
sec-Butylbenzene	U		0.00354	0.0154	1.19	09/13/2024 21:26	WG2362311
tert-Butylbenzene	U		0.00239	0.00614	1.19	09/13/2024 21:26	WG2362311
Carbon tetrachloride	U		0.00110	0.00614	1.19	09/13/2024 21:26	WG2362311
Chlorobenzene	U		0.000258	0.00307	1.19	09/13/2024 21:26	WG2362311
Chlorodibromomethane	U		0.000751	0.00307	1.19	09/13/2024 21:26	WG2362311
Chloroethane	U		0.00209	0.00614	1.19	09/13/2024 21:26	WG2362311
Chloroform	U		0.00127	0.00307	1.19	09/13/2024 21:26	WG2362311
Chloromethane	U		0.00535	0.0154	1.19	09/13/2024 21:26	WG2362311
2-Chlorotoluene	U		0.00106	0.00307	1.19	09/13/2024 21:26	WG2362311
4-Chlorotoluene	U		0.000552	0.00614	1.19	09/13/2024 21:26	WG2362311
1,2-Dibromo-3-Chloropropane	U		0.00479	0.0307	1.19	09/13/2024 21:26	WG2362311
1,2-Dibromoethane	U		0.000796	0.00307	1.19	09/13/2024 21:26	WG2362311
Dibromomethane	U		0.000921	0.00614	1.19	09/13/2024 21:26	WG2362311
1,2-Dichlorobenzene	U		0.000522	0.00614	1.19	09/13/2024 21:26	WG2362311
1,3-Dichlorobenzene	U		0.000737	0.00614	1.19	09/13/2024 21:26	WG2362311
1,4-Dichlorobenzene	U		0.000860	0.00614	1.19	09/13/2024 21:26	WG2362311
Dichlorodifluoromethane	U		0.00198	0.00614	1.19	09/13/2024 21:26	WG2362311
1,1-Dichloroethane	U		0.000603	0.00307	1.19	09/13/2024 21:26	WG2362311

o at e rgan c Compounds C/MS b Method 8260

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,2-Dichloroethane	U		0.000797	0.00307	1.19	09/13/2024 21:26	WG2362311
1,1-Dichloroethene	U		0.000744	0.00307	1.19	09/13/2024 21:26	WG2362311
cis-1,2-Dichloroethene	U		0.000901	0.00307	1.19	09/13/2024 21:26	WG2362311
trans-1,2-Dichloroethene	U		0.00128	0.00614	1.19	09/13/2024 21:26	WG2362311
1,2-Dichloropropane	U		0.00174	0.00614	1.19	09/13/2024 21:26	WG2362311
1,1-Dichloropropene	U		0.000994	0.00307	1.19	09/13/2024 21:26	WG2362311
1,3-Dichloropropane	U		0.000615	0.00614	1.19	09/13/2024 21:26	WG2362311
cis-1,3-Dichloropropene	U		0.000930	0.00307	1.19	09/13/2024 21:26	WG2362311
trans-1,3-Dichloropropene	U		0.00140	0.00614	1.19	09/13/2024 21:26	WG2362311
2,2-Dichloropropane	U		0.00169	0.00307	1.19	09/13/2024 21:26	WG2362311
Di-isopropyl ether	U		0.000504	0.00123	1.19	09/13/2024 21:26	WG2362311
Ethylbenzene	U		0.000905	0.00307	1.19	09/13/2024 21:26	WG2362311
Hexachloro-1,3-butadiene	U		0.00737	0.0307	1.19	09/13/2024 21:26	WG2362311
Isopropylbenzene	U		0.000522	0.00307	1.19	09/13/2024 21:26	WG2362311
p-Isopropyltoluene	U		0.00313	0.00614	1.19	09/13/2024 21:26	WG2362311
2-Butanone (MEK)	U		0.0780	0.123	1.19	09/13/2024 21:26	WG2362311
Methylene Chloride	U		0.00815	0.0307	1.19	09/13/2024 21:26	WG2362311
4-Methyl-2-pentanone (MIBK)	0.00313	J	0.00280	0.0307	1.19	09/13/2024 21:26	WG2362311
Methyl tert-butyl ether	U		0.000430	0.00123	1.19	09/13/2024 21:26	WG2362311
Naphthalene	U		0.00600	0.0154	1.19	09/13/2024 21:26	WG2362311
n-Propylbenzene	U		0.00117	0.00614	1.19	09/13/2024 21:26	WG2362311
Styrene	0.000308	J	0.000282	0.0154	1.19	09/13/2024 21:26	WG2362311
1,1,1,2-Tetrachloroethane	U		0.00117	0.00307	1.19	09/13/2024 21:26	WG2362311
1,1,2,2-Tetrachloroethane	U		0.000854	0.00307	1.19	09/13/2024 21:26	WG2362311
1,1,2-Trichlorotrifluoroethane	U		0.000926	0.00307	1.19	09/13/2024 21:26	WG2362311
Tetrachloroethene	U		0.00110	0.00307	1.19	09/13/2024 21:26	WG2362311
Toluene	U		0.00160	0.00614	1.19	09/13/2024 21:26	WG2362311
1,2,3-Trichlorobenzene	U		0.00900	0.0154	1.19	09/13/2024 21:26	WG2362311
1,2,4-Trichlorobenzene	U		0.00541	0.0154	1.19	09/13/2024 21:26	WG2362311
1,1,1-Trichloroethane	U		0.00114	0.00307	1.19	09/13/2024 21:26	WG2362311
1,1,2-Trichloroethane	U		0.000733	0.00307	1.19	09/13/2024 21:26	WG2362311
Trichloroethene	U		0.000717	0.00123	1.19	09/13/2024 21:26	WG2362311
Trichlorofluoromethane	U		0.00102	0.00307	1.19	09/13/2024 21:26	WG2362311
1,2,3-Trichloropropane	U		0.00199	0.0154	1.19	09/13/2024 21:26	WG2362311
1,2,4-Trimethylbenzene	U		0.00194	0.00614	1.19	09/13/2024 21:26	WG2362311
1,2,3-Trimethylbenzene	U		0.00194	0.00614	1.19	09/13/2024 21:26	WG2362311
1,3,5-Trimethylbenzene	U		0.00246	0.00614	1.19	09/13/2024 21:26	WG2362311
Vinyl chloride	U		0.00142	0.00307	1.19	09/13/2024 21:26	WG2362311
Xylenes, Total	U		0.00108	0.00799	1.19	09/13/2024 21:26	WG2362311
(S) Toluene-d8	*104*			*75.0-131*		*09/13/2024 21:26*	WG2362311
(S) 4-Bromofluorobenzene	*96.8*			*67.0-138*		*09/13/2024 21:26*	WG2362311
(S) 1,2-Dichloroethane-d4	*90.8*			*70.0-130*		*09/13/2024 21:26*	WG2362311

Sem - o at e rgan c Compounds C b Method 8015

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C12-C22 Hydrocarbons	9.93		1.50	8.14	2	09/16/2024 14:03	WG2362676
(S) o-Terphenyl	*62.1*			*18.0-148*		*09/16/2024 14:03*	WG2362676

Ch or nated Ac d Herb c des C b Method 8151

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2,4-D	U		0.00714	0.0712	1	09/15/2024 02:30	WG2361757
Dalapon	U		0.0115	0.0712	1	09/15/2024 02:30	WG2361757
2,4-DB	U		0.0302	0.0712	1	09/15/2024 02:30	WG2361757
Dicamba	U		0.0160	0.0712	1	09/15/2024 02:30	WG2361757
Dichloroprop	U		0.0249	0.0712	1	09/15/2024 02:30	WG2361757
Dinoseb	U		0.00709	0.0712	1	09/15/2024 02:30	WG2361757
MCPA	U		0.451	6.61	1	09/15/2024 02:30	WG2361757
MCPP	U		0.373	6.61	1	09/15/2024 02:30	WG2361757
2,4,5-T	0.0115	_	0.00867	0.0712	1	09/15/2024 02:30	WG2361757
2,4,5-TP (Silvex)	U		0.0109	0.0712	1	09/15/2024 02:30	WG2361757
(S) 2,4-Dichlorophenyl Acetic Acid	*48.2*			*22.0-132*		*09/15/2024 02:30*	WG2361757

P Pest c des b Method 8141

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Azinphos-Methyl	U		0.0324	0.102	1	09/16/2024 12:58	WG2362681
Bolstar (Sulprofos)	U		0.0152	0.102	1	09/16/2024 12:58	WG2362681
Chlorpyrifos	U		0.0160	0.102	1	09/16/2024 12:58	WG2362681
Coumaphos	U		0.0247	0.102	1	09/16/2024 12:58	WG2362681
Demeton,-O and -S	U		0.00594	0.0712	1	09/16/2024 12:58	WG2362681
Diazinon	U		0.0229	0.102	1	09/16/2024 12:58	WG2362681
Dichlorvos	U		0.0305	0.102	1	09/16/2024 12:58	WG2362681
Dimethoate	U		0.0340	0.102	1	09/16/2024 12:58	WG2362681
Disulfoton	U		0.0258	0.102	1	09/16/2024 12:58	WG2362681
EPN	U		0.0281	0.102	1	09/16/2024 12:58	WG2362681
Ethoprop	U		0.0120	0.102	1	09/16/2024 12:58	WG2362681
Ethyl Parathion	U	4	0.0167	0.102	1	09/16/2024 12:58	WG2362681
Fensulfothion	U		0.0359	0.102	1	09/16/2024 12:58	WG2362681
Fenthion	U		0.0135	0.102	1	09/16/2024 12:58	WG2362681
Malathion	U		0.0182	0.102	1	09/16/2024 12:58	WG2362681
Merphos	U		0.0236	0.102	1	09/16/2024 12:58	WG2362681
Methyl parathion	U		0.0207	0.102	1	09/16/2024 12:58	WG2362681
Mevinphos	U		0.0234	0.102	1	09/16/2024 12:58	WG2362681
Naled	U		0.0488	0.102	1	09/16/2024 12:58	WG2362681
Phorate	U		0.0214	0.102	1	09/16/2024 12:58	WG2362681
Ronnel	U		0.0152	0.102	1	09/16/2024 12:58	WG2362681
Stirophos	U		0.0181	0.102	1	09/16/2024 12:58	WG2362681
Sulfotep	U	4	0.0100	0.102	1	09/16/2024 12:58	WG2362681
TEPP	U		0.160	1.02	1	09/16/2024 12:58	WG2362681
Tokuthion (Prothothiofos)	U		0.0153	0.102	1	09/16/2024 12:58	WG2362681
Trichloronate	U		0.0205	0.102	1	09/16/2024 12:58	WG2362681
(S) Triphenyl Phosphate	*106*			*36.0-121*		*09/16/2024 12:58*	WG2362681

Pest c des C b Method 8081

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Aldrin	U		0.00383	0.0204	1	09/15/2024 00:45	WG2362484
Alpha BHC	U		0.00374	0.0204	1	09/15/2024 00:45	WG2362484
Beta BHC	U		0.00386	0.0204	1	09/15/2024 00:45	WG2362484
Delta BHC	U		0.00352	0.0204	1	09/15/2024 00:45	WG2362484
Gamma BHC	U		0.00350	0.0204	1	09/15/2024 00:45	WG2362484
4,4-DDD	U		0.00376	0.0204	1	09/15/2024 00:45	WG2362484
4,4-DDE	U		0.00372	0.0204	1	09/15/2024 00:45	WG2362484
4,4-DDT	U		0.00638	0.0204	1	09/15/2024 00:45	WG2362484
Dieldrin	U		0.00350	0.0204	1	09/15/2024 00:45	WG2362484

Pest c des C b Method 8081

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Endosulfan I	U		0.00369	0.0204	1	09/15/2024 00:45	WG2362484
Endosulfan II	U		0.00341	0.0204	1	09/15/2024 00:45	WG2362484
Endosulfan sulfate	U		0.00370	0.0204	1	09/15/2024 00:45	WG2362484
Endrin	U		0.00356	0.0204	1	09/15/2024 00:45	WG2362484
Endrin aldehyde	U		0.00345	0.0204	1	09/15/2024 00:45	WG2362484
Endrin ketone	U		0.00723	0.0204	1	09/15/2024 00:45	WG2362484
Heptachlor	U		0.00435	0.0204	1	09/15/2024 00:45	WG2362484
Heptachlor epoxide	U		0.00345	0.0204	1	09/15/2024 00:45	WG2362484
Hexachlorobenzene	U		0.00352	0.0204	1	09/15/2024 00:45	WG2362484
Methoxychlor	U		0.00492	0.0204	1	09/15/2024 00:45	WG2362484
Chlordane	U		0.105	0.305	1	09/15/2024 00:45	WG2362484
Toxaphene	U		0.126	0.407	1	09/15/2024 00:45	WG2362484
(S) Decachlorobiphenyl	*60.2*			*10.0-135*		*09/15/2024 00:45*	WG2362484
(S) Tetrachloro-m-xylene	*64.9*			*10.0-139*		*09/15/2024 00:45*	WG2362484

Sem o at e rgan c Compounds C/MS b Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.0548	0.339	10	09/19/2024 19:42	WG2364587
Acenaphthylene	U		0.0477	0.339	10	09/19/2024 19:42	WG2364587
Anthracene	U		0.0603	0.339	10	09/19/2024 19:42	WG2364587
Benzidine	U		0.637	17.0	10	09/19/2024 19:42	WG2364587
Benzo(a)anthracene	U		0.0597	0.339	10	09/19/2024 19:42	WG2364587
Benzo(b)fluoranthene	U		0.0632	0.339	10	09/19/2024 19:42	WG2364587
Benzo(k)fluoranthene	U		0.0602	0.339	10	09/19/2024 19:42	WG2364587
Benzo(g,h,i)perylene	U		0.0620	0.339	10	09/19/2024 19:42	WG2364587
Benzo(a)pyrene	U		0.0630	0.339	10	09/19/2024 19:42	WG2364587
Bis(2-chlorethoxy)methane	U		0.102	3.39	10	09/19/2024 19:42	WG2364587
Bis(2-chloroethyl)ether	U		0.112	3.39	10	09/19/2024 19:42	WG2364587
2,2-Oxybis(1-Chloropropane)	U		0.147	3.39	10	09/19/2024 19:42	WG2364587
4-Bromophenyl-phenylether	U		0.119	3.39	10	09/19/2024 19:42	WG2364587
2-Chloronaphthalene	U		0.0595	0.339	10	09/19/2024 19:42	WG2364587
4-Chlorophenyl-phenylether	U		0.118	3.39	10	09/19/2024 19:42	WG2364587
Chrysene	U		0.0674	0.339	10	09/19/2024 19:42	WG2364587
Dibenz(a,h)anthracene	U		0.0939	0.339	10	09/19/2024 19:42	WG2364587
3,3-Dichlorobenzidine	U		0.125	3.39	10	09/19/2024 19:42	WG2364587
2,4-Dinitrotoluene	U		0.0972	3.39	10	09/19/2024 19:42	WG2364587
2,6-Dinitrotoluene	U		0.111	3.39	10	09/19/2024 19:42	WG2364587
Fluoranthene	U		0.0612	0.339	10	09/19/2024 19:42	WG2364587
Fluorene	U		0.0551	0.339	10	09/19/2024 19:42	WG2364587
Hexachlorobenzene	U		0.120	3.39	10	09/19/2024 19:42	WG2364587
Hexachloro-1,3-butadiene	U		0.114	3.39	10	09/19/2024 19:42	WG2364587
Hexachlorocyclopentadiene	U	4	0.178	3.39	10	09/19/2024 19:42	WG2364587
Hexachloroethane	U		0.133	3.39	10	09/19/2024 19:42	WG2364587
Indeno(1,2,3-cd)pyrene	U		0.0957	0.339	10	09/19/2024 19:42	WG2364587
Isophorone	U		0.104	3.39	10	09/19/2024 19:42	WG2364587
Naphthalene	U		0.0851	0.339	10	09/19/2024 19:42	WG2364587
Nitrobenzene	U		0.118	3.39	10	09/19/2024 19:42	WG2364587
n-Nitrosodimethylamine	U		0.503	3.39	10	09/19/2024 19:42	WG2364587
n-Nitrosodiphenylamine	U		0.256	3.39	10	09/19/2024 19:42	WG2364587
n-Nitrosodi-n-propylamine	U		0.113	3.39	10	09/19/2024 19:42	WG2364587
Phenanthrene	U		0.0673	0.339	10	09/19/2024 19:42	WG2364587
Benzylbutyl phthalate	U		0.106	3.39	10	09/19/2024 19:42	WG2364587
Bis(2-ethylhexyl)phthalate	U		0.429	3.39	10	09/19/2024 19:42	WG2364587
Di-n-butyl phthalate	U		0.116	3.39	10	09/19/2024 19:42	WG2364587
Diethyl phthalate	U		0.112	3.39	10	09/19/2024 19:42	WG2364587

Sem o at e rgan c Compounds C/MS b Method 8270C

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Dimethyl phthalate	U		0.718	3.39	10	09/19/2024 19:42	WG2364587
Di-n-octyl phthalate	U		0.229	3.39	10	09/19/2024 19:42	WG2364587
Pyrene	U		0.0659	0.339	10	09/19/2024 19:42	WG2364587
1,2,4-Trichlorobenzene	U		0.106	3.39	10	09/19/2024 19:42	WG2364587
4-Chloro-3-methylphenol	U		0.110	3.39	10	09/19/2024 19:42	WG2364587
2-Chlorophenol	U		0.112	3.39	10	09/19/2024 19:42	WG2364587
2,4-Dichlorophenol	U		0.0987	3.39	10	09/19/2024 19:42	WG2364587
2,4-Dimethylphenol	U		0.0885	3.39	10	09/19/2024 19:42	WG2364587
4,6-Dinitro-2-methylphenol	U		0.768	3.39	10	09/19/2024 19:42	WG2364587
2,4-Dinitrophenol	U		0.793	3.39	10	09/19/2024 19:42	WG2364587
2-Nitrophenol	U		0.121	3.39	10	09/19/2024 19:42	WG2364587
4-Nitrophenol	U		0.106	3.39	10	09/19/2024 19:42	WG2364587
Pentachlorophenol	U		0.0912	3.39	10	09/19/2024 19:42	WG2364587
Phenol	U	4	0.136	3.39	10	09/19/2024 19:42	WG2364587
2,4,6-Trichlorophenol	U		0.109	3.39	10	09/19/2024 19:42	WG2364587
(S) 2-Fluorophenol	*73.8*			*12.0-120*		*09/19/2024 19:42*	WG2364587
(S) Phenol-d5	*70.8*			*10.0-120*		*09/19/2024 19:42*	WG2364587
(S) Nitrobenzene-d5	*66.8*			*10.0-122*		*09/19/2024 19:42*	WG2364587
(S) 2-Fluorobiphenyl	*76.6*			*15.0-120*		*09/19/2024 19:42*	WG2364587
(S) 2,4,6-Tribromophenol	*73.8*			*10.0-127*		*09/19/2024 19:42*	WG2364587
(S) p-Terphenyl-d14	*76.3*			*10.0-120*		*09/19/2024 19:42*	WG2364587

Sample Narrative:

L1777203-01 WG2364587: Dilution due to matrix impact during extract concentration procedure

Method an M

M 4120113-1 09/14/24 09:50

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

L1776101-09 r g na Samp e S up cate UP

S L1776101-09 09/14/24 09:50 UP 4120113-3 09/14/24 09:50

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	99.5	99.5	1	0.0189		10

Laborator Contro Samp e LCS

LCS 4120113-2 09/14/24 09:50

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	90.0-110	

Method an M

M 4120065-1 09/15/24 14:37

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

Laborator Contro Samp e LCS

LCS 4120065-2 09/15/24 14:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.481	96.2	80.0-120	

L1777025-59 r g na Samp e S Matr Sp e MS Matr Sp e up cate MS

S L1777025-59 09/15/24 14:42 MS 4120065-4 09/15/24 14:52 MS 4120065-5 09/15/24 14:55

Analyte	Spike Amount (dry) mg/kg	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.562	U	0.433	0.663	77.1	118	1	75.0-125		3	42.0	20

Method an M

M 4119921-1 09/14/24 19:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Barium	0.197	_	0.0852	0.500
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Lead	U		0.208	0.500
Selenium	U		0.764	2.00
Silver	U		0.127	1.00

Laborator Contro Samp e LCS

LCS 4119921-2 09/14/24 19:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	92.5	92.5	80.0-120	
Barium	100	94.6	94.6	80.0-120	
Cadmium	100	93.2	93.2	80.0-120	
Chromium	100	94.0	94.0	80.0-120	
Lead	100	90.1	90.1	80.0-120	
Silver	20.0	18.5	92.6	80.0-120	

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S L1777231-02 09/14/24 19:21 MS 4119921-5 09/14/24 19:27 MS 4119921-6 09/14/24 19:28

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 %
Arsenic	100	17.5	122	103	104	85.9	1	75.0-125			16.3	20
Barium	100	40.9	150	142	109	101	1	75.0-125			5.49	20
Chromium	100	8.13	107	94.0	98.6	85.8	1	75.0-125			12.7	20
Lead	100	7.40	108	94.6	101	87.2	1	75.0-125			13.4	20
Selenium	100	1.41	96.4	86.0	95.0	84.6	1	75.0-125			11.5	20

Method an M

M 4120102-2 09/13/24 13:23

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C5 - C12	1.44	_	0.830	2.50
(S) a,a,a-Trifluorotoluene(FID)	*98.4*			*77.0-120*

Laborator Contro Samp e LCS

LCS 4120102-1 09/13/24 12:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C5 - C12	5.00	4.82	96.4	72.0-125	
(S) a,a,a-Trifluorotoluene(FID)			*106*	*77.0-120*	

Method an M

M 4120051-3 09/13/24 18:42

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00500
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
Isopropylbenzene	U		0.000425	0.00250

Method an M

M 4120051-3 09/13/24 18:42

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
1,1,2-Trichlorotrifluoroethane	U		0.000754	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,2,3-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*104*			*75.0-131*
(S) 4-Bromofluorobenzene	*96.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*93.5*			*70.0-130*

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LCS 4120051-1 09/13/24 17:06 LCS 4120051-2 09/13/24 17:25

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	0.625	0.822	0.751	132	120	10.0-160			9.03	31
Acrylonitrile	0.625	0.734	0.664	117	106	45.0-153			10.0	22
Benzene	0.125	0.130	0.125	104	100	70.0-123			3.92	20
Bromobenzene	0.125	0.125	0.123	100	98.4	73.0-121			1.61	20
Bromodichloromethane	0.125	0.124	0.125	99.2	100	73.0-121			0.803	20