

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100719\
 Data File : VD063898.D
 Acq On : 07 Oct 2019 14:06
 Operator : VA/SY
 Sample : K5111-03 4PPB MDL
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019DL

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 1:46:14 PM

Quant Time: Oct 08 17:36:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 08 17:31:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	184905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	295168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	284594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	143128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	82111	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	
35) Dibromofluoromethane	7.92	113	81622	45.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.50%	
50) Toluene-d8	10.34	98	341129	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
62) 4-Bromofluorobenzene	12.63	95	107934	42.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.84%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	5807	4.428	ug/l	92
3) Chloromethane	2.21	50	19665	4.897	ug/l	94
4) Vinyl Chloride	2.35	62	19215	4.534	ug/l #	84
5) Bromomethane	2.77	94	13507	4.957	ug/l	90
6) Chloroethane	2.93	64	12458	4.445	ug/l #	87
7) Trichlorofluoromethane	3.27	101	26230	4.681	ug/l #	82
8) Diethyl Ether	3.70	74	4242	4.716	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	4.09	101	7668	4.944	ug/l #	39
10) Methyl Iodide	4.29	142	8878	4.154	ug/l	99
11) Tert butyl alcohol	5.24	59	2775	21.733	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	7354	4.746	ug/l #	65
13) Acrolein	3.92	56	2917	18.143	ug/l #	71
14) Allyl chloride	4.70	41	11867m	4.606	ug/l	
15) Acrylonitrile	5.43	53	9459	23.854	ug/l	97
16) Acetone	4.17	43	11275	24.057	ug/l	97
17) Carbon Disulfide	4.39	76	24567	4.361	ug/l	98
18) Methyl Acetate	4.73	43	5455	5.951	ug/l #	80
19) Methyl tert-butyl Ether	5.48	73	18372	4.578	ug/l #	64
20) Methylene Chloride	4.96	84	15493	6.441	ug/l #	87
21) trans-1,2-Dichloroethene	5.47	96	8952	4.640	ug/l	92
22) Diisopropyl ether	6.37	45	24382	4.634	ug/l #	90
23) Vinyl Acetate	6.31	43	68210	21.791	ug/l #	94
24) 1,1-Dichloroethane	6.27	63	13792	4.255	ug/l	98
25) 2-Butanone	7.23	43	13868	24.967	ug/l	92
26) 2,2-Dichloropropane	7.22	77	14674	5.005	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	10172	4.658	ug/l	91
28) Bromochloromethane	7.54	49	6133	5.050	ug/l	96
29) Tetrahydrofuran	7.57	42	6968	21.493	ug/l	95
30) Chloroform	7.71	83	15716	4.465	ug/l	91
31) Cyclohexane	7.98	56	18240	6.002	ug/l #	87
32) 1,1,1-Trichloroethane	7.90	97	12828	4.248	ug/l	94
36) 1,1-Dichloropropene	8.11	75	13209	4.894	ug/l	98
37) Ethyl Acetate	7.30	43	5394	4.404	ug/l #	94
38) Carbon Tetrachloride	8.10	117	11716	4.296	ug/l #	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100719\
 Data File : VD063898.D
 Acq On : 07 Oct 2019 14:06
 Operator : VA/SY
 Sample : K5111-03 4PPB MDL
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019DL

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 1:46:14 PM

Quant Time: Oct 08 17:36:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 08 17:31:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	16257	4.899	ug/l #	81
40) Benzene	8.36	78	33831	4.374	ug/l	99
41) Methacrylonitrile	7.53	41	2158	3.449	ug/l #	26
42) 1,2-Dichloroethane	8.43	62	9606	4.294	ug/l	94
43) Isopropyl Acetate	8.46	43	10233	4.521	ug/l	97
44) Trichloroethene	9.11	130	9971	4.471	ug/l	92
45) 1,2-Dichloropropane	9.38	63	7749	4.093	ug/l #	82
46) Dibromomethane	9.48	93	4973	4.613	ug/l	98
47) Bromodichloromethane	9.67	83	11569	4.168	ug/l	95
48) Methyl methacrylate	9.46	41	4837	4.460	ug/l	94
49) 1,4-Dioxane	9.47	88	1454	98.805	ug/l #	82
51) 4-Methyl-2-Pentanone	10.24	43	25548	21.765	ug/l	100
52) Toluene	10.40	92	23788	4.481	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	10644	3.930	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	14010	4.494	ug/l #	83
55) 1,1,2-Trichloroethane	10.80	97	6877	4.518	ug/l #	90
56) Ethyl methacrylate	10.67	69	8530	4.425	ug/l	97
57) 1,3-Dichloropropane	10.95	76	11640	4.469	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	15691	18.937	ug/l	99
59) 2-Hexanone	10.98	43	17426	20.523	ug/l	99
60) Dibromochloromethane	11.14	129	8312	4.194	ug/l	94
61) 1,2-Dibromoethane	11.24	107	6374	4.319	ug/l	95
64) Tetrachloroethene	10.87	164	9027	4.646	ug/l	91
65) Chlorobenzene	11.67	112	24819	4.342	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.74	131	8524	4.047	ug/l	93
67) Ethyl Benzene	11.75	91	42772	4.150	ug/l	90
68) m/p-Xylenes	11.86	106	32766	8.237	ug/l	97
69) o-Xylene	12.18	106	17153	4.503	ug/l	88
70) Styrene	12.20	104	25677	3.982	ug/l	96
71) Bromoform	12.37	173	4617	4.085	ug/l #	93
73) Isopropylbenzene	12.48	105	42418	4.409	ug/l	97
74) N-amyl acetate	12.29	43	8921	4.306	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	7274	4.344	ug/l	93
76) 1,2,3-Trichloropropane	12.78	75	4353m	4.541	ug/l	
77) Bromobenzene	12.76	156	10055	4.194	ug/l	87
78) n-propylbenzene	12.82	91	50402	4.463	ug/l	99
79) 2-Chlorotoluene	12.90	91	27643	4.439	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	34194	4.260	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	2097	3.871	ug/l #	93
82) 4-Chlorotoluene	13.01	91	28280	4.281	ug/l	98
83) tert-Butylbenzene	13.23	119	28038	3.925	ug/l	88
84) 1,2,4-Trimethylbenzene	13.27	105	35409	4.279	ug/l	95
85) sec-Butylbenzene	13.40	105	42742	4.430	ug/l	96
86) p-Isopropyltoluene	13.51	119	38441	4.211	ug/l	96
87) 1,3-Dichlorobenzene	13.51	146	19922	4.206	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	21732	4.651	ug/l	96
89) n-Butylbenzene	13.84	91	38213	4.497	ug/l	96
90) Hexachloroethane	14.11	117	7439	4.531	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	17078	4.184	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1237m	4.270	ug/l	

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100719\
Data File : VD063898.D
Acq On : 07 Oct 2019 14:06
Operator : VA/SY
Sample : K5111-03 4PPB MDL
Misc : 5.00g/5.00mL/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019DL

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:14 PM

Quant Time: Oct 08 17:36:43 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 08 17:31:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	13831	4.391	ug/l	95
94) Hexachlorobutadiene	15.27	225	7212	4.149	ug/l	92
95) Naphthalene	15.40	128	22570	4.263	ug/l	96
96) 1,2,3-Trichlorobenzene	15.60	180	11270	4.147	ug/l	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100719\
Data File : VD063898.D
Acq On : 07 Oct 2019 14:06
Operator : VA/SY
Sample : K5111-03 4PPB MDL
Misc : 5.00µ/5.00mL/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2019DL

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:14 PM

Quant Time: Oct 08 17:36:43 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 08 17:31:21 2019
Response via : Initial Calibration

