

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072220\
 Data File : VD065993.D
 Acq On : 22 Jul 2020 10:02
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/23/2020 2:14:29 PM

Quant Time: Jul 22 15:47:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	373623	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	531565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	486025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	245747	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	153023	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
35) Dibromofluoromethane	7.91	113	165235	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
50) Toluene-d8	10.34	98	648881	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
62) 4-Bromofluorobenzene	12.64	95	213621	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	131209	46.275	ug/l	96
3) Chloromethane	2.21	50	104646	45.225	ug/l	100
4) Vinyl Chloride	2.35	62	107647	48.852	ug/l	99
5) Bromomethane	2.77	94	75205	48.365	ug/l	97
6) Chloroethane	2.93	64	65708	49.953	ug/l	96
7) Trichlorofluoromethane	3.27	101	270675	50.502	ug/l	99
8) Diethyl Ether	3.70	74	70184	47.374	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	163230	50.438	ug/l	98
10) Methyl Iodide	4.30	142	165222	50.445	ug/l	97
11) Tert butyl alcohol	5.20	59	40832	209.040	ug/l #	87
12) 1,1-Dichloroethene	4.07	96	155597	50.369	ug/l	91
13) Acrolein	3.92	56	60845	237.548	ug/l	100
14) Allyl chloride	4.71	41	239724	49.644	ug/l	98
15) Acrylonitrile	5.42	53	152816	241.447	ug/l	98
16) Acetone	4.16	43	176710	287.162	ug/l	97
17) Carbon Disulfide	4.40	76	487507	48.652	ug/l	97
18) Methyl Acetate	4.71	43	64834	45.290	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	314229	49.508	ug/l	95
20) Methylene Chloride	4.96	84	172180	50.640	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	174691	50.035	ug/l	97
22) Diisopropyl ether	6.36	45	464239	50.604	ug/l	98
23) Vinyl Acetate	6.30	43	1333062	257.653	ug/l	98
24) 1,1-Dichloroethane	6.27	63	278112	50.032	ug/l	97
25) 2-Butanone	7.21	43	209539	256.618	ug/l	99
26) 2,2-Dichloropropane	7.21	77	257008	51.415	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	182955	49.493	ug/l	99
28) Bromochloromethane	7.55	49	122763	52.035	ug/l	98
29) Tetrahydrofuran	7.56	42	121779	241.717	ug/l	99
30) Chloroform	7.71	83	286280	49.235	ug/l	99
31) Cyclohexane	7.98	56	266998	48.823	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	266801	49.606	ug/l	99
36) 1,1-Dichloropropene	8.11	75	234568	51.705	ug/l	98
37) Ethyl Acetate	7.29	43	85506	49.353	ug/l	98
38) Carbon Tetrachloride	8.09	117	258735	52.562	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072220\
 Data File : VD065993.D
 Acq On : 22 Jul 2020 10:02
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/23/2020 2:14:29 PM

Quant Time: Jul 22 15:47:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	300978	54.784	ug/l	98
40) Benzene	8.35	78	644291	50.764	ug/l	98
41) Methacrylonitrile	7.52	41	45945	46.292	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	173448	49.871	ug/l	99
43) Isopropyl Acetate	8.45	43	166126	49.093	ug/l	100
44) Trichloroethene	9.11	130	191336	49.817	ug/l	97
45) 1,2-Dichloropropane	9.39	63	155423	50.562	ug/l	96
46) Dibromomethane	9.48	93	81759	49.408	ug/l	98
47) Bromodichloromethane	9.66	83	222556	50.865	ug/l	98
48) Methyl methacrylate	9.46	41	89396	52.372	ug/l	97
49) 1,4-Dioxane	9.46	88	17853	931.228	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	427059	250.474	ug/l	99
52) Toluene	10.40	92	424748	51.317	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	207668	50.945	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	249923	50.579	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	114151	48.639	ug/l	94
56) Ethyl methacrylate	10.66	69	141723	51.940	ug/l	96
57) 1,3-Dichloropropane	10.95	76	196340	50.536	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	362170	277.850	ug/l	99
59) 2-Hexanone	10.98	43	313678	265.481	ug/l	97
60) Dibromochloromethane	11.14	129	156600	49.489	ug/l	98
61) 1,2-Dibromoethane	11.25	107	112314	49.634	ug/l	99
64) Tetrachloroethene	10.88	164	170312	51.628	ug/l	96
65) Chlorobenzene	11.67	112	447557	50.294	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	168236	51.200	ug/l	100
67) Ethyl Benzene	11.75	91	805271	52.583	ug/l	100
68) m/p-Xylenes	11.86	106	629776	106.993	ug/l	98
69) o-Xylene	12.18	106	283530	52.960	ug/l	99
70) Styrene	12.20	104	489963	53.266	ug/l	100
71) Bromoform	12.37	173	94755	49.231	ug/l #	100
73) Isopropylbenzene	12.48	105	790563	53.164	ug/l	100
74) N-amyl acetate	12.29	43	160446	52.039	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	120010	48.834	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	90509m	48.915	ug/l	
77) Bromobenzene	12.77	156	194049	51.062	ug/l	97
78) n-propylbenzene	12.83	91	928940	53.835	ug/l	100
79) 2-Chlorotoluene	12.91	91	510223	51.757	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	664137	54.362	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	41875	51.930	ug/l	93
82) 4-Chlorotoluene	13.01	91	541586	52.049	ug/l	100
83) tert-Butylbenzene	13.23	119	584555	54.679	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	654653	54.315	ug/l	100
85) sec-Butylbenzene	13.41	105	806974	54.802	ug/l	100
86) p-Isopropyltoluene	13.52	119	741144	55.401	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	360789	51.135	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	365887	51.297	ug/l	99
89) n-Butylbenzene	13.85	91	688011	55.311	ug/l	99
90) Hexachloroethane	14.12	117	144556	52.198	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	312554	51.121	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19902	49.414	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072220\
Data File : VD065993.D
Acq On : 22 Jul 2020 10:02
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
7/23/2020 2:14:29 PM

Quant Time: Jul 22 15:47:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	236303	53.845	ug/l	98
94) Hexachlorobutadiene	15.27	225	146641	54.048	ug/l	98
95) Naphthalene	15.41	128	367867	47.340	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	197777	51.840	ug/l	100

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

