

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065265.D
 Acq On : 20 Feb 2020 19:49
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:22:58 PM

Quant Time: Feb 21 06:00:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	496081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	746024	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	685882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	335125	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	229449	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.92	113	235643	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	10.34	98	922506	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
62) 4-Bromofluorobenzene	12.64	95	292994	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	205922	49.491	ug/l	99
3) Chloromethane	2.21	50	256492	48.431	ug/l	99
4) Vinyl Chloride	2.36	62	253194	47.016	ug/l	99
5) Bromomethane	2.77	94	145730	44.756	ug/l	98
6) Chloroethane	2.93	64	155407	47.276	ug/l	100
7) Trichlorofluoromethane	3.27	101	357981	46.430	ug/l	99
8) Diethyl Ether	3.71	74	119343	51.279	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	228054	46.839	ug/l	99
10) Methyl Iodide	4.30	142	262691	51.963	ug/l	99
11) Tert butyl alcohol	5.26	59	63154	236.816	ug/l	97
12) 1,1-Dichloroethene	4.06	96	217298	47.245	ug/l	97
13) Acrolein	3.93	56	92018	285.892	ug/l	98
14) Allyl chloride	4.71	41	376066	50.350	ug/l	98
15) Acrylonitrile	5.43	53	265147	257.330	ug/l	99
16) Acetone	4.17	43	217071	198.979	ug/l	98
17) Carbon Disulfide	4.40	76	730326	47.362	ug/l	99
18) Methyl Acetate	4.73	43	122400	49.886	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	492188	51.316	ug/l	99
20) Methylene Chloride	4.96	84	256166	53.025	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	257334	49.216	ug/l	99
22) Diisopropyl ether	6.37	45	749823	52.076	ug/l	98
23) Vinyl Acetate	6.31	43	2110092	265.825	ug/l	100
24) 1,1-Dichloroethane	6.27	63	438346	49.082	ug/l	98
25) 2-Butanone	7.22	43	319785	231.685	ug/l	97
26) 2,2-Dichloropropane	7.21	77	355818	45.919	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	278278	50.244	ug/l	98
28) Bromochloromethane	7.55	49	179951	54.311	ug/l	98
29) Tetrahydrofuran	7.57	42	211523	261.551	ug/l	100
30) Chloroform	7.72	83	433050	48.129	ug/l	100
31) Cyclohexane	7.98	56	404430	46.089	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	381395	47.376	ug/l	99
36) 1,1-Dichloropropene	8.12	75	345081	47.539	ug/l	99
37) Ethyl Acetate	7.30	43	148283	48.865	ug/l	99
38) Carbon Tetrachloride	8.10	117	346028	46.828	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065265.D
 Acq On : 20 Feb 2020 19:49
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 3:22:58 PM

Quant Time: Feb 21 06:00:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	420961	49.329	ug/l	99
40) Benzene	8.36	78	1011855	49.386	ug/l	100
41) Methacrylonitrile	7.53	41	81799	46.686	ug/l	98
42) 1,2-Dichloroethane	8.43	62	274567	48.746	ug/l	99
43) Isopropyl Acetate	8.46	43	279220	50.600	ug/l	100
44) Trichloroethene	9.11	130	272252	47.937	ug/l	99
45) 1,2-Dichloropropane	9.39	63	255332	50.117	ug/l	99
46) Dibromomethane	9.48	93	131838	50.294	ug/l	99
47) Bromodichloromethane	9.67	83	337522	48.859	ug/l	96
48) Methyl methacrylate	9.46	41	134553	52.752	ug/l	97
49) 1,4-Dioxane	9.47	88	31397	1021.232	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	714452	254.909	ug/l	99
52) Toluene	10.41	92	637421	50.261	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	327151	51.092	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	392685	50.786	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	182730	49.527	ug/l	96
56) Ethyl methacrylate	10.67	69	230821	54.202	ug/l	98
57) 1,3-Dichloropropane	10.95	76	318574	50.732	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	313911	233.809	ug/l	100
59) 2-Hexanone	10.99	43	491855	245.151	ug/l	98
60) Dibromochloromethane	11.15	129	234760	49.713	ug/l	100
61) 1,2-Dibromoethane	11.25	107	173809	49.755	ug/l	100
64) Tetrachloroethene	10.88	164	235481	48.408	ug/l	98
65) Chlorobenzene	11.67	112	663512	48.207	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	248076	48.298	ug/l	99
67) Ethyl Benzene	11.75	91	1192995	49.489	ug/l	100
68) m/p-Xylenes	11.86	106	915330	99.247	ug/l	99
69) o-Xylene	12.18	106	419755	51.372	ug/l	98
70) Styrene	12.20	104	742503	51.182	ug/l	100
71) Bromoform	12.37	173	134984	47.360	ug/l #	99
73) Isopropylbenzene	12.48	105	1119602	50.462	ug/l	100
74) N-amyl acetate	12.30	43	252852	51.288	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	193545	48.335	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	130203m	45.664	ug/l	
77) Bromobenzene	12.77	156	274216	49.773	ug/l	100
78) n-propylbenzene	12.83	91	1339522	50.240	ug/l	100
79) 2-Chlorotoluene	12.91	91	735289	49.228	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	924173	50.574	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	61684	46.710	ug/l	96
82) 4-Chlorotoluene	13.01	91	777930	49.059	ug/l	99
83) tert-Butylbenzene	13.23	119	771926	50.401	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	919548	50.275	ug/l	99
85) sec-Butylbenzene	13.41	105	1085758	49.198	ug/l	100
86) p-Isopropyltoluene	13.53	119	1009513	50.020	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	518049	48.639	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	506216	48.157	ug/l	99
89) n-Butylbenzene	13.86	91	928331	49.917	ug/l	100
90) Hexachloroethane	14.12	117	195266	47.650	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	443970	48.547	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29596	47.962	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
Data File : VD065265.D
Acq On : 20 Feb 2020 19:49
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
2/21/2020 3:22:58 PM

Quant Time: Feb 21 06:00:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	310691	51.938	ug/l	99
94) Hexachlorobutadiene	15.28	225	180582	47.059	ug/l	99
95) Naphthalene	15.41	128	523747	53.857	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	265759	50.868	ug/l	98

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

