

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\
 Data File : VD067889.D
 Acq On : 07 Dec 2020 10:00
 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
 12/8/2020 5:05:39 PM

Quant Time: Dec 08 03:18:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	202953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	284473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	258035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	133513	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	103864	47.67	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.34%
35) Dibromofluoromethane	7.92	113	90186	47.38	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.76%
50) Toluene-d8	10.34	98	332011	48.45	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.90%
62) 4-Bromofluorobenzene	12.63	95	119920	50.62	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.24%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92297	52.256	ug/l	95
3) Chloromethane	2.21	50	49413	48.476	ug/l	99
4) Vinyl Chloride	2.35	62	63869	49.751	ug/l	94
5) Bromomethane	2.77	94	64563	56.336	ug/l	91
6) Chloroethane	2.93	64	42488	50.833	ug/l	95
7) Trichlorofluoromethane	3.28	101	202256	51.486	ug/l	99
8) Diethyl Ether	3.71	74	35631	46.536	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	90546	50.547	ug/l	98
10) Methyl Iodide	4.30	142	89601	47.190	ug/l	99
11) Tert butyl alcohol	5.21	59	24462	208.939	ug/l #	89
12) 1,1-Dichloroethene	4.07	96	81431	48.420	ug/l	99
13) Acrolein	3.93	56	19215	229.494	ug/l	95
14) Allyl chloride	4.71	41	72706	46.732	ug/l	88
15) Acrylonitrile	5.43	53	61438	231.415	ug/l	99
16) Acetone	4.16	43	75208	279.344	ug/l	99
17) Carbon Disulfide	4.41	76	223846	47.673	ug/l	100
18) Methyl Acetate	4.72	43	22904	45.262	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	182783	50.757	ug/l	99
20) Methylene Chloride	4.96	84	89200	51.250	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	95407	49.854	ug/l	90
22) Diisopropyl ether	6.36	45	148979	47.610	ug/l	95
23) Vinyl Acetate	6.31	43	436069	250.501	ug/l	99
24) 1,1-Dichloroethane	6.27	63	135325	49.335	ug/l	98
25) 2-Butanone	7.21	43	63267	223.417	ug/l	100
26) 2,2-Dichloropropane	7.21	77	173073	52.912	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	102247	48.847	ug/l	96
28) Bromochloromethane	7.55	49	40086	46.029	ug/l #	97
29) Tetrahydrofuran	7.56	42	35593	220.748	ug/l	95
30) Chloroform	7.71	83	181696	49.566	ug/l	96
31) Cyclohexane	7.98	56	104462	45.508	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	202329	52.287	ug/l	98
36) 1,1-Dichloropropene	8.12	75	127676	51.845	ug/l	99
37) Ethyl Acetate	7.29	43	29256	44.078	ug/l	95
38) Carbon Tetrachloride	8.10	117	197694	53.057	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\
 Data File : VD067889.D
 Acq On : 07 Dec 2020 10:00
 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
 12/8/2020 5:05:39 PM

Quant Time: Dec 08 03:18:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	147289	50.470	ug/l	97
40) Benzene	8.35	78	341560	50.688	ug/l	96
41) Methacrylonitrile	7.53	41	15709	49.824	ug/l #	73
42) 1,2-Dichloroethane	8.43	62	122715	51.096	ug/l	99
43) Isopropyl Acetate	8.46	43	59861	45.837	ug/l	97
44) Trichloroethene	9.11	130	119923	51.762	ug/l	94
45) 1,2-Dichloropropane	9.39	63	65731	47.526	ug/l	92
46) Dibromomethane	9.48	93	46948	48.823	ug/l	97
47) Bromodichloromethane	9.67	83	138133	50.388	ug/l	98
48) Methyl methacrylate	9.46	41	32540	49.069	ug/l	95
49) 1,4-Dioxane	9.46	88	10580	962.891	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	143157	231.611	ug/l	100
52) Toluene	10.41	92	238907	50.710	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	118996	50.292	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	131293	51.013	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	61242	46.538	ug/l	99
56) Ethyl methacrylate	10.67	69	63865	47.699	ug/l	98
57) 1,3-Dichloropropane	10.95	76	98305	47.159	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	153596	252.104	ug/l	97
59) 2-Hexanone	10.99	43	111860	256.723	ug/l	94
60) Dibromochloromethane	11.14	129	100040	50.431	ug/l	96
61) 1,2-Dibromoethane	11.25	107	59746	46.168	ug/l	98
64) Tetrachloroethene	10.88	164	106939	50.808	ug/l	94
65) Chlorobenzene	11.68	112	271842	51.057	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	110701	50.977	ug/l	96
67) Ethyl Benzene	11.75	91	471906	52.030	ug/l	97
68) m/p-Xylenes	11.86	106	368938	103.161	ug/l	100
69) o-Xylene	12.18	106	168342	53.022	ug/l	100
70) Styrene	12.20	104	285279	51.673	ug/l	98
71) Bromoform	12.37	173	54916	47.774	ug/l #	95
73) Isopropylbenzene	12.48	105	490226	53.392	ug/l	99
74) N-amyl acetate	12.29	43	55241	48.639	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	54243	44.747	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	43158m	44.388	ug/l	
77) Bromobenzene	12.76	156	118420	51.879	ug/l	97
78) n-propylbenzene	12.83	91	535976	52.668	ug/l	99
79) 2-Chlorotoluene	12.91	91	308186	51.478	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	430491	54.153	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	19248	47.356	ug/l	97
82) 4-Chlorotoluene	13.01	91	335168	52.483	ug/l	99
83) tert-Butylbenzene	13.23	119	377517	55.807	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	424773	53.735	ug/l	99
85) sec-Butylbenzene	13.41	105	478368	52.982	ug/l	100
86) p-Isopropyltoluene	13.52	119	468391	52.932	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	222362	50.500	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	219717	49.878	ug/l	99
89) n-Butylbenzene	13.85	91	395497	53.797	ug/l	100
90) Hexachloroethane	14.11	117	82312	50.384	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	189434	49.604	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12809	50.631	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120720\
Data File : VD067889.D
Acq On : 07 Dec 2020 10:00
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
12/8/2020 5:05:39 PM

Quant Time: Dec 08 03:18:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	143401	53.682	ug/l	99
94) Hexachlorobutadiene	15.27	225	95352	54.702	ug/l	98
95) Naphthalene	15.41	128	218049	50.163	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	120558	52.260	ug/l	98

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

