

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011122\
 Data File : VD071668.D
 Acq On : 11 Jan 2022 10:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/12/2022
 Supervised By : Mahesh Dadoda 01/12/2022

Quant Time: Jan 12 04:26:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	320200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	546724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	490980	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	224400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	207393	50.337	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.680%			
35) Dibromofluoromethane	7.914	113	179181	49.591	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.180%			
50) Toluene-d8	10.332	98	706810	52.258	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.520%			
62) 4-Bromofluorobenzene	12.626	95	234944	49.296	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 98.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	121229	49.959	ug/l	93
3) Chloromethane	2.215	50	157190	49.397	ug/l	97
4) Vinyl Chloride	2.356	62	193016	48.482	ug/l #	89
5) Bromomethane	2.779	94	129336	48.611	ug/l	97
6) Chloroethane	2.926	64	134538	47.420	ug/l	99
7) Trichlorofluoromethane	3.279	101	273156	48.400	ug/l	99
8) Diethyl Ether	3.709	74	69516	46.832	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.109	101	160473	48.647	ug/l	100
10) Methyl Iodide	4.309	142	158050	50.111	ug/l	98
11) Tert butyl alcohol	5.215	59	54997	272.803	ug/l #	85
12) 1,1-Dichloroethene	4.073	96	138411	48.353	ug/l	95
13) Acrolein	3.926	56	73302	182.284	ug/l	99
14) Allyl chloride	4.721	41	280990	49.505	ug/l	100
15) Acrylonitrile	5.420	53	178282	227.271	ug/l	99
16) Acetone	4.156	43	240575	252.912	ug/l	99
17) Carbon Disulfide	4.415	76	353580	49.217	ug/l	97
18) Methyl Acetate	4.715	43	122963	44.973	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	346243	45.823	ug/l	98
20) Methylene Chloride	4.962	84	168933	47.923	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	160351	49.053	ug/l	98
22) Diisopropyl ether	6.362	45	590318	48.300	ug/l	96
23) Vinyl Acetate	6.303	43	1453614	254.858	ug/l	99
24) 1,1-Dichloroethane	6.267	63	335742	48.126	ug/l	99
25) 2-Butanone	7.209	43	257941	229.512	ug/l	95
26) 2,2-Dichloropropane	7.209	77	296517	50.616	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	186804	48.415	ug/l	98
28) Bromochloromethane	7.544	49	165880	48.810	ug/l	99
29) Tetrahydrofuran	7.562	42	145036	224.328	ug/l	99
30) Chloroform	7.703	83	344285	48.261	ug/l	97
31) Cyclohexane	7.985	56	282569	49.548	ug/l	92
32) 1,1,1-Trichloroethane	7.903	97	304113	48.367	ug/l	98
36) 1,1-Dichloropropene	8.114	75	250227	48.550	ug/l	99
37) Ethyl Acetate	7.291	43	105312	44.025	ug/l	96
38) Carbon Tetrachloride	8.097	117	260188	49.849	ug/l	93
39) Methylcyclohexane	9.350	83	277875	49.914	ug/l	96
40) Benzene	8.350	78	690216	48.604	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	54328	37.135	ug/l #	81
42) 1,2-Dichloroethane	8.420	62	220657	45.903	ug/l	97
43) Isopropyl Acetate	8.450	43	210967	46.852	ug/l	98
44) Trichloroethene	9.108	130	169835	46.472	ug/l	94
45) 1,2-Dichloropropane	9.385	63	185719	48.379	ug/l	96
46) Dibromomethane	9.473	93	91779	46.710	ug/l	98
47) Bromodichloromethane	9.656	83	260575	48.303	ug/l	99
48) Methyl methacrylate	9.450	41	104698	46.012	ug/l	95
49) 1,4-Dioxane	9.456	88	18295	928.720	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	551269	231.774	ug/l	98
52) Toluene	10.403	92	440633	49.295	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	232973	49.231	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	272275	48.798	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	124421	48.303	ug/l	98
56) Ethyl methacrylate	10.655	69	152735	48.374	ug/l	97
57) 1,3-Dichloropropane	10.944	76	220387	46.300	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	412933	236.909	ug/l	99
59) 2-Hexanone	10.979	43	406454	244.668	ug/l	98
60) Dibromochloromethane	11.138	129	156976	47.877	ug/l	96
61) 1,2-Dibromoethane	11.244	107	113228	45.945	ug/l	99
64) Tetrachloroethene	10.873	164	142004	49.238	ug/l	95
65) Chlorobenzene	11.661	112	455028	48.431	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	169384	47.547	ug/l	99
67) Ethyl Benzene	11.738	91	878134	50.911	ug/l	99
68) m/p-Xylenes	11.850	106	666863	103.952	ug/l	97
69) o-Xylene	12.173	106	310191	51.087	ug/l	97
70) Styrene	12.191	104	529943	50.919	ug/l	99
71) Bromoform	12.350	173	84315	48.471	ug/l #	100
73) Isopropylbenzene	12.473	105	860431	53.356	ug/l	99
74) N-amyl acetate	12.279	43	198887	50.279	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	133782	46.817	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	115932m	53.466	ug/l	
77) Bromobenzene	12.755	156	175276	50.318	ug/l	98
78) n-propylbenzene	12.814	91	1071045	52.810	ug/l	100
79) 2-Chlorotoluene	12.902	91	585373	51.210	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	701459	52.060	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	39922	51.329	ug/l	94
82) 4-Chlorotoluene	12.997	91	609670	51.410	ug/l	100
83) tert-Butylbenzene	13.214	119	603850	52.448	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	702192	52.699	ug/l	99
85) sec-Butylbenzene	13.391	105	945607	53.623	ug/l	99
86) p-Isopropyltoluene	13.508	119	778048	53.739	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	363097	50.510	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	357799	48.787	ug/l	99
89) n-Butylbenzene	13.832	91	773508	53.348	ug/l	99
90) Hexachloroethane	14.096	117	151956	53.048	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	307342	49.886	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	21907	47.698	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	182663	51.446	ug/l	100
94) Hexachlorobutadiene	15.255	225	106711	51.267	ug/l	99
95) Naphthalene	15.385	128	324262	51.582	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	156137	51.608	ug/l	99

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

