

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021422\
 Data File : VD071947.D
 Acq On : 14 Feb 2022 09:54
 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 02/15/2022
 Supervised By : Semsettin Yesilyurt 02/15/2022

Quant Time: Feb 15 00:32:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	385445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	611225	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	577900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	293737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	243896	50.063	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.120%			
35) Dibromofluoromethane	7.908	113	221305	55.082	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.160%			
50) Toluene-d8	10.338	98	782062	52.120	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.240%			
62) 4-Bromofluorobenzene	12.626	95	287968	54.956	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	208554	45.628	ug/l	98
3) Chloromethane	2.215	50	230615	42.142	ug/l	97
4) Vinyl Chloride	2.356	62	256159	44.711	ug/l	98
5) Bromomethane	2.779	94	174449	46.149	ug/l	95
6) Chloroethane	2.926	64	168958	46.535	ug/l	98
7) Trichlorofluoromethane	3.285	101	391967	47.739	ug/l	94
8) Diethyl Ether	3.714	74	99173	45.777	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.103	101	223020	48.146	ug/l	98
10) Methyl Iodide	4.303	142	240574	50.661	ug/l	96
11) Tert butyl alcohol	5.208	59	56011	181.623	ug/l	97
12) 1,1-Dichloroethene	4.079	96	204758	48.353	ug/l	98
13) Acrolein	3.920	56	76842	177.581	ug/l	99
14) Allyl chloride	4.720	41	392371	48.610	ug/l	100
15) Acrylonitrile	5.420	53	274875	249.643	ug/l	98
16) Acetone	4.156	43	370834	278.066	ug/l	99
17) Carbon Disulfide	4.414	76	661444	44.796	ug/l	98
18) Methyl Acetate	4.714	43	124145	43.055	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	493276	48.692	ug/l	96
20) Methylene Chloride	4.967	84	232536	47.590	ug/l	98
21) trans-1,2-Dichloroethene	5.479	96	239518	48.586	ug/l	98
22) Diisopropyl ether	6.361	45	816037	51.581	ug/l	98
23) Vinyl Acetate	6.303	43	2326150	266.532	ug/l	100
24) 1,1-Dichloroethane	6.267	63	469174	50.880	ug/l	100
25) 2-Butanone	7.208	43	404740	260.333	ug/l	96
26) 2,2-Dichloropropane	7.208	77	400739	52.516	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	263769	49.816	ug/l	98
28) Bromochloromethane	7.544	49	162342	46.676	ug/l	99
29) Tetrahydrofuran	7.561	42	231023	251.140	ug/l	99
30) Chloroform	7.708	83	472370	50.142	ug/l	99
31) Cyclohexane	7.985	56	440159	47.325	ug/l	97
32) 1,1,1-Trichloroethane	7.902	97	421602	50.738	ug/l	99
36) 1,1-Dichloropropene	8.108	75	369279	53.551	ug/l	99
37) Ethyl Acetate	7.291	43	159310	49.690	ug/l	98
38) Carbon Tetrachloride	8.097	117	372874	54.677	ug/l	97
39) Methylcyclohexane	9.349	83	428573	53.637	ug/l	94
40) Benzene	8.350	78	991858	53.284	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	83079	45.804	ug/l #	85
42) 1,2-Dichloroethane	8.420	62	310302	52.791	ug/l	100
43) Isopropyl Acetate	8.450	43	306999	53.277	ug/l	99
44) Trichloroethene	9.108	130	248303	51.663	ug/l	98
45) 1,2-Dichloropropane	9.385	63	258057	53.765	ug/l	96
46) Dibromomethane	9.467	93	132742	52.819	ug/l	98
47) Bromodichloromethane	9.655	83	356730	53.672	ug/l	97
48) Methyl methacrylate	9.449	41	160809	52.731	ug/l	98
49) 1,4-Dioxane	9.461	88	27166	947.045	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	833488	276.404	ug/l	99
52) Toluene	10.396	92	632678	54.659	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	325271	53.284	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	374709	52.366	ug/l	99
55) 1,1,2-Trichloroethane	10.791	97	178924	53.644	ug/l	98
56) Ethyl methacrylate	10.655	69	223778	54.188	ug/l	99
57) 1,3-Dichloropropane	10.938	76	323459	54.321	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	490804	252.468	ug/l	98
59) 2-Hexanone	10.979	43	624193	285.196	ug/l	98
60) Dibromochloromethane	11.132	129	222031	53.907	ug/l	99
61) 1,2-Dibromoethane	11.243	107	169355	52.700	ug/l	99
64) Tetrachloroethene	10.873	164	207269	50.704	ug/l	93
65) Chlorobenzene	11.661	112	634111	51.866	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	239711	53.895	ug/l	98
67) Ethyl Benzene	11.738	91	1217613	54.125	ug/l	100
68) m/p-Xylenes	11.849	106	928025	108.456	ug/l	97
69) o-Xylene	12.173	106	418178	53.778	ug/l	100
70) Styrene	12.185	104	735748	54.894	ug/l	99
71) Bromoform	12.355	173	124445	52.403	ug/l #	99
73) Isopropylbenzene	12.473	105	1153424	50.710	ug/l	100
74) N-amyl acetate	12.279	43	283709	50.720	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	205551	48.834	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	140843m	45.497	ug/l	
77) Bromobenzene	12.755	156	243618	48.149	ug/l	98
78) n-propylbenzene	12.814	91	1463085	51.299	ug/l	99
79) 2-Chlorotoluene	12.896	91	805501	49.838	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	968907	51.357	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	59765	47.470	ug/l	98
82) 4-Chlorotoluene	12.996	91	841816	50.063	ug/l	99
83) tert-Butylbenzene	13.214	119	808860	51.733	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	952565	51.328	ug/l	100
85) sec-Butylbenzene	13.390	105	1267303	51.801	ug/l	100
86) p-Isopropyltoluene	13.508	119	1051269	52.880	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	512070	49.841	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	488830	47.673	ug/l	98
89) n-Butylbenzene	13.832	91	1022059	52.401	ug/l	100
90) Hexachloroethane	14.102	117	208654	52.802	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	430297	48.940	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	34307	49.214	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	251233	48.914	ug/l	100
94) Hexachlorobutadiene	15.255	225	145212	51.850	ug/l	98
95) Naphthalene	15.384	128	458973	45.127	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	216195	49.108	ug/l	99

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

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