

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD072986.D
 Acq On : 13 May 2022 13:07
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00 G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/16/2022
 Supervised By :Mahesh Dadoda 05/16/2022

Quant Time: May 13 14:43:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	294660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	479890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	462640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	229521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	174560	45.638	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.280%		
35) Dibromofluoromethane	7.908	113	181429	53.831	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.660%		
50) Toluene-d8	10.331	98	650496	53.806	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	107.620%		
62) 4-Bromofluorobenzene	12.620	95	242221	53.732	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	107.460%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	175936	43.208	ug/l	97
3) Chloromethane	2.208	50	173533	40.980	ug/l	96
4) Vinyl Chloride	2.350	62	166518	43.824	ug/l	95
5) Bromomethane	2.761	94	116321	49.761	ug/l	97
6) Chloroethane	2.914	64	107454	45.375	ug/l	95
7) Trichlorofluoromethane	3.273	101	320462	48.163	ug/l	99
8) Diethyl Ether	3.702	74	87300	45.766	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.091	101	198008	50.126	ug/l	98
10) Methyl Iodide	4.297	142	179064	45.169	ug/l	100
11) Tert butyl alcohol	5.214	59	62870	189.977	ug/l #	86
12) 1,1-Dichloroethene	4.061	96	166909	46.976	ug/l	99
13) Acrolein	3.920	56	22767	88.177	ug/l	99
14) Allyl chloride	4.708	41	276438	48.191	ug/l	92
15) Acrylonitrile	5.420	53	203440	224.412	ug/l	98
16) Acetone	4.149	43	154825	214.269	ug/l	97
17) Carbon Disulfide	4.408	76	495310	44.335	ug/l	99
18) Methyl Acetate	4.714	43	91854	44.103	ug/l	91
19) Methyl tert-butyl Ether	5.473	73	411516	48.313	ug/l	98
20) Methylene Chloride	4.961	84	221771	48.254	ug/l	85
21) trans-1,2-Dichloroethene	5.467	96	201555	49.463	ug/l	94
22) Diisopropyl ether	6.355	45	627182	49.702	ug/l	96
23) Vinyl Acetate	6.302	43	1648312	236.460	ug/l	95
24) 1,1-Dichloroethane	6.261	63	370260	48.838	ug/l	98
25) 2-Butanone	7.208	43	239126	214.567	ug/l #	89
26) 2,2-Dichloropropane	7.208	77	314187	49.021	ug/l	98
27) cis-1,2-Dichloroethene	7.202	96	234918	50.335	ug/l	92
28) Bromochloromethane	7.538	49	137523	48.643	ug/l #	83
29) Tetrahydrofuran	7.561	42	164568	231.668	ug/l	93
30) Chloroform	7.702	83	401493	50.049	ug/l	99
31) Cyclohexane	7.979	56	310516	46.441	ug/l	91
32) 1,1,1-Trichloroethane	7.902	97	345083	50.474	ug/l	97
36) 1,1-Dichloropropene	8.108	75	289445	52.816	ug/l	97
37) Ethyl Acetate	7.285	43	119825	47.563	ug/l	97
38) Carbon Tetrachloride	8.090	117	301052	52.920	ug/l	99
39) Methylcyclohexane	9.349	83	319005	50.184	ug/l	97
40) Benzene	8.343	78	830023	52.447	ug/l	99

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41) Methacrylonitrile	7.520	41	70623	47.080	ug/l	91
42) 1,2-Dichloroethane	8.420	62	237209	49.739	ug/l	96
43) Isopropyl Acetate	8.449	43	220734	47.471	ug/l #	92
44) Trichloroethene	9.108	130	222476	52.545	ug/l	95
45) 1,2-Dichloropropane	9.379	63	215717	51.902	ug/l	99
46) Dibromomethane	9.467	93	116935	51.004	ug/l	98
47) Bromodichloromethane	9.655	83	301430	51.108	ug/l #	99
48) Methyl methacrylate	9.449	41	113724	49.993	ug/l	91
49) 1,4-Dioxane	9.455	88	25352	981.980	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	591750	244.906	ug/l	94
52) Toluene	10.396	92	544781	55.183	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	273379	50.463	ug/l	95
54) cis-1,3-Dichloropropene	10.084	75	323506	51.400	ug/l	90
55) 1,1,2-Trichloroethane	10.790	97	157687	50.878	ug/l	96
56) Ethyl methacrylate	10.655	69	190040	52.077	ug/l #	85
57) 1,3-Dichloropropane	10.937	76	270546	50.868	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.931	63	424552	239.959	ug/l	98
59) 2-Hexanone	10.973	43	396610	243.940	ug/l	94
60) Dibromochloromethane	11.131	129	202481	51.897	ug/l	96
61) 1,2-Dibromoethane	11.237	107	149309	49.494	ug/l	97
64) Tetrachloroethene	10.867	164	173442	51.277	ug/l	96
65) Chlorobenzene	11.661	112	570874	53.350	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.731	131	217338	54.045	ug/l	99
67) Ethyl Benzene	11.731	91	1031006	55.674	ug/l	100
68) m/p-Xylenes	11.843	106	810860	113.671	ug/l	98
69) o-Xylene	12.167	106	379854	57.017	ug/l	95
70) Styrene	12.184	104	657941	57.000	ug/l	98
71) Bromoform	12.349	173	112107	51.438	ug/l #	99
73) Isopropylbenzene	12.467	105	1007949	56.444	ug/l	99
74) N-amyl acetate	12.278	43	217056	48.809	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	182116	50.521	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	132930m	51.940	ug/l	
77) Bromobenzene	12.749	156	227614	53.677	ug/l	95
78) n-propylbenzene	12.808	91	1263645	56.146	ug/l	99
79) 2-Chlorotoluene	12.896	91	718035	54.615	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	854467	56.431	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	56662	50.912	ug/l	89
82) 4-Chlorotoluene	12.990	91	754617	54.934	ug/l	99
83) tert-Butylbenzene	13.208	119	739826	57.470	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	854879	56.483	ug/l	99
85) sec-Butylbenzene	13.384	105	1111314	57.237	ug/l	100
86) p-Isopropyltoluene	13.502	119	903838	56.778	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	463540	54.264	ug/l	100
88) 1,4-Dichlorobenzene	13.578	146	461677	54.271	ug/l	99
89) n-Butylbenzene	13.825	91	879548	57.036	ug/l	100
90) Hexachloroethane	14.096	117	179285	54.976	ug/l	100
91) 1,2-Dichlorobenzene	13.872	146	404240	54.298	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.484	75	28467	49.818	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	236010	53.529	ug/l	100
94) Hexachlorobutadiene	15.243	225	127537	52.966	ug/l	98
95) Naphthalene	15.378	128	435063	53.669	ug/l	99
96) 1,2,3-Trichlorobenzene	15.572	180	209031	53.482	ug/l	99

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

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