

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073188.D
 Acq On : 20 May 2022 17:00
 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

Reviewed By :Krupa Patel 05/24/2022
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 21 00:14:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	352044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	583789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	555498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	268563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	200357	51.498	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.000%			
35) Dibromofluoromethane	7.909	113	208414	54.102	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.200%			
50) Toluene-d8	10.332	98	799899	56.330	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.660%			
62) 4-Bromofluorobenzene	12.620	95	278529	55.891	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	152594	43.378	ug/l	100
3) Chloromethane	2.209	50	169137	42.521	ug/l	94
4) Vinyl Chloride	2.350	62	159669	43.898	ug/l	100
5) Bromomethane	2.762	94	114534	49.041	ug/l	99
6) Chloroethane	2.915	64	101442	45.368	ug/l	99
7) Trichlorofluoromethane	3.268	101	307781	47.855	ug/l	99
8) Diethyl Ether	3.709	74	81854	46.316	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	185643	48.377	ug/l	97
10) Methyl Iodide	4.297	142	183727	44.376	ug/l	99
11) Tert butyl alcohol	5.226	59	63412	105.052	ug/l #	93
12) 1,1-Dichloroethene	4.068	96	171234	48.399	ug/l	92
13) Acrolein	3.921	56	96448	416.418	ug/l	98
14) Allyl chloride	4.709	41	258688	45.298	ug/l	91
15) Acrylonitrile	5.409	53	201288	249.077	ug/l	97
16) Acetone	4.150	43	174352	258.725	ug/l	93
17) Carbon Disulfide	4.409	76	512521	43.699	ug/l	100
18) Methyl Acetate	4.709	43	88340	47.143	ug/l	91
19) Methyl tert-butyl Ether	5.479	73	395379	49.055	ug/l	99
20) Methylene Chloride	4.956	84	225238	52.928	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	203197	47.502	ug/l	89
22) Diisopropyl ether	6.356	45	599212	50.053	ug/l	95
23) Vinyl Acetate	6.297	43	1600749	250.679	ug/l	95
24) 1,1-Dichloroethane	6.262	63	360273	46.884	ug/l	99
25) 2-Butanone	7.203	43	245854	249.364	ug/l	93
26) 2,2-Dichloropropane	7.197	77	305840	46.670	ug/l	95
27) cis-1,2-Dichloroethene	7.203	96	225970	47.741	ug/l	93
28) Bromochloromethane	7.538	49	130400	49.257	ug/l #	83
29) Tetrahydrofuran	7.556	42	158885	249.225	ug/l	92
30) Chloroform	7.703	83	390927	48.730	ug/l	96
31) Cyclohexane	7.985	56	312212	45.921	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	338843	48.292	ug/l	97
36) 1,1-Dichloropropene	8.109	75	285552	49.287	ug/l	96
37) Ethyl Acetate	7.285	43	115787	50.596	ug/l #	96
38) Carbon Tetrachloride	8.091	117	296858	50.547	ug/l	99
39) Methylcyclohexane	9.350	83	330077	51.121	ug/l	98
40) Benzene	8.344	78	819561	49.083	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	66647	49.985	ug/l	90
42) 1,2-Dichloroethane	8.414	62	227343	48.933	ug/l	96
43) Isopropyl Acetate	8.444	43	209393	49.503	ug/l #	92
44) Trichloroethene	9.103	130	220661	49.557	ug/l	94
45) 1,2-Dichloropropane	9.379	63	210030	49.947	ug/l	99
46) Dibromomethane	9.461	93	113118	48.980	ug/l	97
47) Bromodichloromethane	9.656	83	302045	51.113	ug/l	98
48) Methyl methacrylate	9.450	41	114652	53.875	ug/l	93
49) 1,4-Dioxane	9.456	88	26204	1098.690	ug/l	91
51) 4-Methyl-2-Pentanone	10.220	43	577736	262.973	ug/l	94
52) Toluene	10.397	92	538168	51.004	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	268208	50.240	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	316325	49.514	ug/l	91
55) 1,1,2-Trichloroethane	10.791	97	160064	51.252	ug/l	97
56) Ethyl methacrylate	10.656	69	186436	53.692	ug/l #	85
57) 1,3-Dichloropropane	10.938	76	267179	50.986	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	437236	263.736	ug/l	97
59) 2-Hexanone	10.973	43	405971	280.287	ug/l	94
60) Dibromochloromethane	11.132	129	201138	51.651	ug/l	97
61) 1,2-Dibromoethane	11.238	107	148885	49.890	ug/l	98
64) Tetrachloroethene	10.867	164	179857	49.433	ug/l	98
65) Chlorobenzene	11.661	112	572541	50.241	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	214257	50.695	ug/l	99
67) Ethyl Benzene	11.732	91	1034072	51.690	ug/l	100
68) m/p-Xylenes	11.844	106	812290	104.511	ug/l	98
69) o-Xylene	12.167	106	374610	52.466	ug/l	94
70) Styrene	12.185	104	645201	52.523	ug/l	98
71) Bromoform	12.350	173	112388	51.668	ug/l #	100
73) Isopropylbenzene	12.467	105	1004550	52.469	ug/l	100
74) N-amyl acetate	12.279	43	211534	50.647	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	176019	49.849	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	147609m	56.017	ug/l	
77) Bromobenzene	12.750	156	227928	50.573	ug/l	93
78) n-propylbenzene	12.808	91	1262068	52.508	ug/l	99
79) 2-Chlorotoluene	12.897	91	707942	51.012	ug/l	98
80) 1,3,5-Trimethylbenzene	12.950	105	851391	52.496	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	56624	51.588	ug/l	87
82) 4-Chlorotoluene	12.991	91	741258	50.958	ug/l	99
83) tert-Butylbenzene	13.208	119	707256	51.743	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	845010	52.740	ug/l	99
85) sec-Butylbenzene	13.391	105	1092424	52.342	ug/l	100
86) p-Isopropyltoluene	13.502	119	903016	53.077	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	458335	50.453	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	454140	49.524	ug/l	99
89) n-Butylbenzene	13.826	91	874128	53.924	ug/l	99
90) Hexachloroethane	14.097	117	177456	50.409	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	396177	50.404	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	27530	50.911	ug/l	92
93) 1,2,4-Trichlorobenzene	15.144	180	234384	52.525	ug/l	99
94) Hexachlorobutadiene	15.249	225	128704	51.183	ug/l	98
95) Naphthalene	15.379	128	416922	47.621	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	203504	51.442	ug/l	100

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

