

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040622\
 Data File : VD072551.D
 Acq On : 06 Apr 2022 16:52
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/07/2022
 Supervised By : Mahesh Dadoda 04/07/2022

Quant Time: Apr 07 01:12:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	425437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	688188	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	641144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	315738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	242301	47.081	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.160%		
35) Dibromofluoromethane	7.908	113	261130	48.826	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.660%		
50) Toluene-d8	10.331	98	896547	48.226	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.460%		
62) 4-Bromofluorobenzene	12.620	95	349920	48.195	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	173006	51.240	ug/l	99
3) Chloromethane	2.208	50	173779	55.645	ug/l	100
4) Vinyl Chloride	2.350	62	191275	53.224	ug/l	98
5) Bromomethane	2.773	94	125355	52.090	ug/l	94
6) Chloroethane	2.926	64	133851	58.192	ug/l	97
7) Trichlorofluoromethane	3.273	101	406831	55.512	ug/l	96
8) Diethyl Ether	3.708	74	120538	55.346	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.096	101	261682	53.540	ug/l	97
10) Methyl Iodide	4.296	142	210833	46.555	ug/l	99
11) Tert butyl alcohol	5.208	59	72473	266.659	ug/l	98
12) 1,1-Dichloroethene	4.061	96	214697	56.186	ug/l	87
13) Acrolein	3.920	56	11807	97.897	ug/l	86
14) Allyl chloride	4.714	41	347486	51.746	ug/l #	91
15) Acrylonitrile	5.414	53	277755	255.015	ug/l	98
16) Acetone	4.149	43	251446	262.018	ug/l	94
17) Carbon Disulfide	4.408	76	425721	51.338	ug/l	100
18) Methyl Acetate	4.714	43	120125	44.432	ug/l #	89
19) Methyl tert-butyl Ether	5.467	73	600297	53.823	ug/l	98
20) Methylene Chloride	4.961	84	308132	53.935	ug/l #	83
21) trans-1,2-Dichloroethene	5.461	96	248409	53.211	ug/l	87
22) Diisopropyl ether	6.355	45	819724	53.393	ug/l #	94
23) Vinyl Acetate	6.296	43	2155167	260.718	ug/l #	93
24) 1,1-Dichloroethane	6.261	63	493968	53.395	ug/l	98
25) 2-Butanone	7.202	43	346760	261.268	ug/l #	88
26) 2,2-Dichloropropane	7.202	77	444291	54.069	ug/l	97
27) cis-1,2-Dichloroethene	7.202	96	307492	53.000	ug/l	92
28) Bromochloromethane	7.537	49	191440	48.295	ug/l #	79
29) Tetrahydrofuran	7.555	42	213830	266.853	ug/l #	88
30) Chloroform	7.702	83	547143	52.576	ug/l	99
31) Cyclohexane	7.979	56	375101	55.741	ug/l	89
32) 1,1,1-Trichloroethane	7.896	97	488077	55.296	ug/l	96
36) 1,1-Dichloropropene	8.102	75	362444	52.963	ug/l	95
37) Ethyl Acetate	7.285	43	154105	54.380	ug/l #	94
38) Carbon Tetrachloride	8.085	117	419540	56.941	ug/l	95
39) Methylcyclohexane	9.349	83	423696	53.045	ug/l	96
40) Benzene	8.343	78	1050515	56.244	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	101132	60.698	ug/l	89
42) 1,2-Dichloroethane	8.420	62	311206	54.512	ug/l	96
43) Isopropyl Acetate	8.443	43	296216	54.493	ug/l #	92
44) Trichloroethene	9.108	130	295624	55.750	ug/l	96
45) 1,2-Dichloropropane	9.379	63	286702	55.180	ug/l	97
46) Dibromomethane	9.467	93	151644	55.630	ug/l	97
47) Bromodichloromethane	9.655	83	418189	53.399	ug/l	96
48) Methyl methacrylate	9.449	41	148410	56.236	ug/l #	86
49) 1,4-Dioxane	9.455	88	36194	1116.181	ug/l #	91
51) 4-Methyl-2-Pentanone	10.220	43	791484	271.358	ug/l	91
52) Toluene	10.396	92	709039	57.142	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	374547	54.884	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	443907	55.017	ug/l #	88
55) 1,1,2-Trichloroethane	10.790	97	220215	53.287	ug/l	97
56) Ethyl methacrylate	10.655	69	268155	52.706	ug/l #	85
57) 1,3-Dichloropropane	10.937	76	365810	53.543	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.931	63	530225	259.876	ug/l	94
59) 2-Hexanone	10.973	43	554787	279.708	ug/l	92
60) Dibromochloromethane	11.131	129	282767	53.043	ug/l	99
61) 1,2-Dibromoethane	11.237	107	202886	55.294	ug/l	98
64) Tetrachloroethene	10.867	164	233000	55.622	ug/l	98
65) Chlorobenzene	11.661	112	767607	53.550	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	308231	53.784	ug/l	98
67) Ethyl Benzene	11.737	91	1406506	56.234	ug/l	100
68) m/p-Xylenes	11.843	106	1059831	111.690	ug/l	100
69) o-Xylene	12.167	106	512827	56.014	ug/l	97
70) Styrene	12.184	104	890266	55.175	ug/l	97
71) Bromoform	12.349	173	156908	51.647	ug/l #	98
73) Isopropylbenzene	12.467	105	1426192	55.931	ug/l	100
74) N-amyl acetate	12.278	43	290663	54.327	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.720	83	250378	51.840	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	180246m	52.342	ug/l	
77) Bromobenzene	12.749	156	309128	54.087	ug/l	92
78) n-propylbenzene	12.808	91	1705434	55.440	ug/l	98
79) 2-Chlorotoluene	12.896	91	956990	53.196	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	1175472	53.825	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	73779	52.572	ug/l	90
82) 4-Chlorotoluene	12.996	91	981706	52.397	ug/l	99
83) tert-Butylbenzene	13.214	119	1062141	56.179	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	1152429	53.964	ug/l	99
85) sec-Butylbenzene	13.390	105	1558765	54.736	ug/l	98
86) p-Isopropyltoluene	13.502	119	1273913	54.728	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	623237	52.625	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	613954	51.436	ug/l	100
89) n-Butylbenzene	13.831	91	1236947	55.783	ug/l	99
90) Hexachloroethane	14.096	117	248644	52.179	ug/l	99
91) 1,2-Dichlorobenzene	13.872	146	536743	51.385	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	38404	53.764	ug/l	87
93) 1,2,4-Trichlorobenzene	15.143	180	357996	55.292	ug/l	98
94) Hexachlorobutadiene	15.249	225	192712	53.137	ug/l	98
95) Naphthalene	15.384	128	673278	53.517	ug/l	100
96) 1,2,3-Trichlorobenzene	15.578	180	303230	53.660	ug/l	98

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

