

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073029.D
 Acq On : 14 May 2022 11:01
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: May 16 05:22:56 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	263554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	456449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	434385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	213981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	167989	49.103	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.200%		
35) Dibromofluoromethane	7.903	113	165037	51.483	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.960%		
50) Toluene-d8	10.332	98	598521	52.049	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.100%		
62) 4-Bromofluorobenzene	12.620	95	220670	51.466	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	138994	38.165	ug/l	97
3) Chloromethane	2.209	50	154583	40.814	ug/l	96
4) Vinyl Chloride	2.344	62	142883	42.042	ug/l	99
5) Bromomethane	2.762	94	101363	48.439	ug/l	99
6) Chloroethane	2.921	64	94018	44.387	ug/l	99
7) Trichlorofluoromethane	3.273	101	262168	44.053	ug/l	99
8) Diethyl Ether	3.709	74	81394	47.706	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.091	101	155195	43.925	ug/l	97
10) Methyl Iodide	4.297	142	161478	45.541	ug/l	100
11) Tert butyl alcohol	5.226	59	47302	159.804	ug/l #	74
12) 1,1-Dichloroethene	4.067	96	145950	45.926	ug/l	97
13) Acrolein	3.926	56	13307	51.334	ug/l	99
14) Allyl chloride	4.715	41	248809	48.494	ug/l	90
15) Acrylonitrile	5.414	53	199566	246.120	ug/l	97
16) Acetone	4.150	43	146634	227.754	ug/l	97
17) Carbon Disulfide	4.409	76	423362	42.368	ug/l	98
18) Methyl Acetate	4.709	43	129450	69.633	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	381446	50.068	ug/l	99
20) Methylene Chloride	4.956	84	211122	51.822	ug/l	86
21) trans-1,2-Dichloroethene	5.467	96	178929	49.093	ug/l	93
22) Diisopropyl ether	6.361	45	565158	50.073	ug/l	94
23) Vinyl Acetate	6.303	43	1412499	226.547	ug/l	96
24) 1,1-Dichloroethane	6.261	63	338137	49.865	ug/l	99
25) 2-Butanone	7.208	43	239950	240.718	ug/l	93
26) 2,2-Dichloropropane	7.203	77	234597	40.923	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	210451	50.414	ug/l	91
28) Bromochloromethane	7.544	49	135474	53.574	ug/l	84
29) Tetrahydrofuran	7.561	42	156861	246.881	ug/l	93
30) Chloroform	7.708	83	356597	49.699	ug/l	98
31) Cyclohexane	7.979	56	248727	41.590	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	302182	49.415	ug/l	96
36) 1,1-Dichloropropene	8.103	75	250480	48.053	ug/l	98
37) Ethyl Acetate	7.291	43	108508	45.283	ug/l	97
38) Carbon Tetrachloride	8.091	117	256799	47.460	ug/l	97
39) Methylcyclohexane	9.350	83	260433	43.074	ug/l	98
40) Benzene	8.344	78	749387	49.783	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	66566	46.654	ug/l	92
42) 1,2-Dichloroethane	8.420	62	216016	47.621	ug/l	96
43) Isopropyl Acetate	8.450	43	213108	48.185	ug/l #	94
44) Trichloroethene	9.108	130	196942	48.903	ug/l	97
45) 1,2-Dichloropropane	9.379	63	193850	49.036	ug/l	100
46) Dibromomethane	9.473	93	107807	49.438	ug/l	99
47) Bromodichloromethane	9.655	83	274399	48.914	ug/l #	99
48) Methyl methacrylate	9.450	41	111961	51.746	ug/l	91
49) 1,4-Dioxane	9.450	88	23997	977.230	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	580768	252.705	ug/l	94
52) Toluene	10.397	92	476563	50.752	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	240243	46.624	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	280575	46.868	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	148768	50.465	ug/l	96
56) Ethyl methacrylate	10.655	69	174719	50.338	ug/l	88
57) 1,3-Dichloropropane	10.938	76	248796	49.180	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	462955	275.103	ug/l	97
59) 2-Hexanone	10.973	43	384529	248.656	ug/l	95
60) Dibromochloromethane	11.132	129	183901	49.555	ug/l	98
61) 1,2-Dibromoethane	11.238	107	137184	47.810	ug/l	98
64) Tetrachloroethene	10.873	164	151684	47.761	ug/l	98
65) Chlorobenzene	11.661	112	506672	50.430	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	193585	51.269	ug/l	98
67) Ethyl Benzene	11.738	91	905416	52.072	ug/l	99
68) m/p-Xylenes	11.844	106	698825	104.337	ug/l	99
69) o-Xylene	12.173	106	329584	52.689	ug/l	97
70) Styrene	12.185	104	574893	53.045	ug/l	97
71) Bromoform	12.349	173	103812	50.730	ug/l #	99
73) Isopropylbenzene	12.467	105	869992	52.257	ug/l	100
74) N-amyl acetate	12.279	43	185315	44.698	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	169973	50.577	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	121112m	50.759	ug/l	
77) Bromobenzene	12.749	156	200709	50.769	ug/l	94
78) n-propylbenzene	12.808	91	1075655	51.264	ug/l	100
79) 2-Chlorotoluene	12.896	91	623455	50.865	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	744558	52.743	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	48823	47.054	ug/l	90
82) 4-Chlorotoluene	12.991	91	657109	51.310	ug/l	100
83) tert-Butylbenzene	13.208	119	639067	53.248	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	734607	52.061	ug/l	100
85) sec-Butylbenzene	13.385	105	929025	51.324	ug/l	100
86) p-Isopropyltoluene	13.502	119	768910	51.810	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	399701	50.188	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	398416	50.236	ug/l	99
89) n-Butylbenzene	13.826	91	721016	50.152	ug/l	100
90) Hexachloroethane	14.096	117	157253	51.722	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	355558	51.227	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	25669	48.184	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	200101	48.680	ug/l	99
94) Hexachlorobutadiene	15.249	225	102850	45.815	ug/l	98
95) Naphthalene	15.379	128	400503	52.994	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	183172	50.270	ug/l	99

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

