

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050222\
 Data File : VD072745.D
 Acq On : 02 May 2022 12:37
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/03/2022
 Supervised By : Mahesh Dadoda 05/03/2022

Quant Time: May 03 08:05:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:04:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	331818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	544713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	535322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	262851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	205257	47.654	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.300%		
35) Dibromofluoromethane	7.909	113	191835	50.145	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.300%		
50) Toluene-d8	10.332	98	695458	50.679	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.360%		
62) 4-Bromofluorobenzene	12.620	95	262809	51.362	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	225975	49.283	ug/l	100
3) Chloromethane	2.209	50	227781	47.767	ug/l	100
4) Vinyl Chloride	2.350	62	217550	50.843	ug/l	98
5) Bromomethane	2.768	94	132449	46.128	ug/l	98
6) Chloroethane	2.921	64	128993	48.370	ug/l	96
7) Trichlorofluoromethane	3.273	101	368494	49.180	ug/l	97
8) Diethyl Ether	3.709	74	104555	48.673	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	218296	49.074	ug/l	98
10) Methyl Iodide	4.297	142	233440	52.291	ug/l	98
11) Tert butyl alcohol	5.215	59	79137	208.462	ug/l #	83
12) 1,1-Dichloroethene	4.068	96	197490	49.359	ug/l	95
13) Acrolein	3.921	56	63748	211.166	ug/l	95
14) Allyl chloride	4.715	41	325453	50.382	ug/l	93
15) Acrylonitrile	5.420	53	253441	248.260	ug/l	97
16) Acetone	4.150	43	231754	257.534	ug/l	98
17) Carbon Disulfide	4.409	76	622791	49.503	ug/l	98
18) Methyl Acetate	4.715	43	115750	45.522	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	494292	51.533	ug/l	99
20) Methylene Chloride	4.962	84	256072	38.423	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	232491	50.665	ug/l	88
22) Diisopropyl ether	6.362	45	733829	51.641	ug/l	93
23) Vinyl Acetate	6.303	43	2049314	261.064	ug/l	97
24) 1,1-Dichloroethane	6.256	63	417990	48.960	ug/l	99
25) 2-Butanone	7.209	43	320546	255.416	ug/l	96
26) 2,2-Dichloropropane	7.203	77	362466	50.221	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	260269	49.522	ug/l	94
28) Bromochloromethane	7.544	49	165173	51.880	ug/l	88
29) Tetrahydrofuran	7.561	42	202108	252.654	ug/l	93
30) Chloroform	7.703	83	438775	48.572	ug/l	98
31) Cyclohexane	7.979	56	378074	50.213	ug/l	95
32) 1,1,1-Trichloroethane	7.897	97	382851	49.727	ug/l	97
36) 1,1-Dichloropropene	8.109	75	328250	52.769	ug/l	97
37) Ethyl Acetate	7.291	43	150748	52.717	ug/l	95
38) Carbon Tetrachloride	8.097	117	334615	51.820	ug/l	99
39) Methylcyclohexane	9.350	83	381115	52.820	ug/l	97
40) Benzene	8.350	78	926339	51.567	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	95881	58.692	ug/l	93
42) 1,2-Dichloroethane	8.420	62	275919	50.971	ug/l	96
43) Isopropyl Acetate	8.444	43	278944	52.851	ug/l	96
44) Trichloroethene	9.108	130	246924	51.379	ug/l	98
45) 1,2-Dichloropropane	9.379	63	243366	51.586	ug/l	97
46) Dibromomethane	9.467	93	132620	50.962	ug/l	97
47) Bromodichloromethane	9.656	83	344747	51.496	ug/l	95
48) Methyl methacrylate	9.450	41	141226	54.695	ug/l	90
49) 1,4-Dioxane	9.456	88	29397	1003.154	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	732113	266.940	ug/l	94
52) Toluene	10.397	92	598889	53.445	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	322658	52.472	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	369807	51.764	ug/l	92
55) 1,1,2-Trichloroethane	10.791	97	181723	51.655	ug/l	97
56) Ethyl methacrylate	10.655	69	231298	55.841	ug/l #	86
57) 1,3-Dichloropropane	10.938	76	308125	51.039	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	562805	280.246	ug/l	97
59) 2-Hexanone	10.973	43	522797	283.287	ug/l	97
60) Dibromochloromethane	11.132	129	225129	50.835	ug/l	99
61) 1,2-Dibromoethane	11.238	107	177409	51.810	ug/l	100
64) Tetrachloroethene	10.867	164	195290	49.897	ug/l	96
65) Chlorobenzene	11.661	112	629351	50.829	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	238515	51.258	ug/l	98
67) Ethyl Benzene	11.738	91	1129462	52.710	ug/l	98
68) m/p-Xylenes	11.844	106	886710	107.427	ug/l	99
69) o-Xylene	12.167	106	413599	53.653	ug/l	97
70) Styrene	12.185	104	719505	53.870	ug/l	98
71) Bromoform	12.349	173	128056	50.778	ug/l #	100
73) Isopropylbenzene	12.467	105	1072755	52.456	ug/l	100
74) N-amyl acetate	12.279	43	267516	52.528	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	201880	48.903	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	154520m	54.431	ug/l	
77) Bromobenzene	12.749	156	246969	50.856	ug/l	96
78) n-propylbenzene	12.808	91	1358945	52.724	ug/l	100
79) 2-Chlorotoluene	12.897	91	768384	51.034	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	922775	53.214	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	66772	52.388	ug/l	91
82) 4-Chlorotoluene	12.991	91	808145	51.371	ug/l	100
83) tert-Butylbenzene	13.208	119	775399	52.596	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	911437	52.584	ug/l	99
85) sec-Butylbenzene	13.385	105	1174836	52.836	ug/l	100
86) p-Isopropyltoluene	13.502	119	969117	53.159	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	487378	49.820	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	483351	49.614	ug/l	99
89) n-Butylbenzene	13.826	91	941352	53.304	ug/l	99
90) Hexachloroethane	14.096	117	187429	50.186	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	431334	50.590	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	32383	49.485	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	264203	52.325	ug/l	100
94) Hexachlorobutadiene	15.249	225	137496	49.861	ug/l	99
95) Naphthalene	15.379	128	500815	53.946	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	235675	52.653	ug/l	98

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

