

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052522\
 Data File : VD073358.D
 Acq On : 25 May 2022 13:35
 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 05/26/2022
 Supervised By :Mahesh Dadoda 05/30/2022

Quant Time: May 26 02:23:38 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	379296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	622346	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	574693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	280016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	188544	44.980	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.960%		
35) Dibromofluoromethane	7.908	113	201979	49.183	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.360%		
50) Toluene-d8	10.332	98	761227	50.285	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.580%		
62) 4-Bromofluorobenzene	12.620	95	273842	51.546	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	220211	58.102	ug/l	98
3) Chloromethane	2.209	50	213215	49.751	ug/l	97
4) Vinyl Chloride	2.350	62	206924	52.802	ug/l	99
5) Bromomethane	2.762	94	138990	55.791	ug/l	89
6) Chloroethane	2.920	64	124178	51.546	ug/l	98
7) Trichlorofluoromethane	3.273	101	358687	51.763	ug/l	96
8) Diethyl Ether	3.709	74	95366	50.085	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.097	101	213414	51.618	ug/l	96
10) Methyl Iodide	4.303	142	247841	55.561	ug/l	97
11) Tert butyl alcohol	5.208	59	88884	136.671	ug/l #	84
12) 1,1-Dichloroethene	4.067	96	203159	53.297	ug/l	88
13) Acrolein	3.920	56	62623	243.359	ug/l	97
14) Allyl chloride	4.714	41	304687	49.519	ug/l #	91
15) Acrylonitrile	5.414	53	213299	244.976	ug/l	97
16) Acetone	4.150	43	212028	292.027	ug/l	96
17) Carbon Disulfide	4.409	76	667715	52.841	ug/l	99
18) Methyl Acetate	4.708	43	95291	47.198	ug/l	91
19) Methyl tert-butyl Ether	5.473	73	429714	49.484	ug/l	99
20) Methylene Chloride	4.961	84	246537	53.840	ug/l	88
21) trans-1,2-Dichloroethene	5.467	96	233289	50.618	ug/l	88
22) Diisopropyl ether	6.361	45	630809	48.907	ug/l	92
23) Vinyl Acetate	6.297	43	1728608	251.253	ug/l	95
24) 1,1-Dichloroethane	6.255	63	391499	47.287	ug/l	97
25) 2-Butanone	7.208	43	276424	260.226	ug/l	95
26) 2,2-Dichloropropane	7.202	77	339176	48.038	ug/l	96
27) cis-1,2-Dichloroethene	7.202	96	249261	48.878	ug/l	91
28) Bromochloromethane	7.538	49	128497	45.051	ug/l #	81
29) Tetrahydrofuran	7.555	42	166314	242.134	ug/l	91
30) Chloroform	7.702	83	401262	46.424	ug/l	100
31) Cyclohexane	7.979	56	361625	49.367	ug/l	92
32) 1,1,1-Trichloroethane	7.902	97	367722	48.643	ug/l	96
36) 1,1-Dichloropropene	8.102	75	319928	51.799	ug/l	95
37) Ethyl Acetate	7.291	43	120926	49.568	ug/l #	97
38) Carbon Tetrachloride	8.091	117	325078	51.923	ug/l	96
39) Methylcyclohexane	9.349	83	384043	55.794	ug/l	98
40) Benzene	8.344	78	903730	50.771	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	62163	43.734	ug/l #	85
42) 1,2-Dichloroethane	8.420	62	231572	46.755	ug/l	94
43) Isopropyl Acetate	8.444	43	225731	50.059	ug/l #	92
44) Trichloroethene	9.108	130	244712	51.554	ug/l	93
45) 1,2-Dichloropropane	9.379	63	219409	48.945	ug/l	93
46) Dibromomethane	9.467	93	116170	47.185	ug/l	97
47) Bromodichloromethane	9.655	83	302256	47.980	ug/l	97
48) Methyl methacrylate	9.449	41	116245	51.239	ug/l #	87
49) 1,4-Dioxane	9.455	88	25053	985.352	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	586028	250.221	ug/l	94
52) Toluene	10.396	92	582121	51.752	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	284607	50.008	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	342484	50.287	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	163164	49.008	ug/l	98
56) Ethyl methacrylate	10.649	69	198403	53.598	ug/l #	83
57) 1,3-Dichloropropane	10.938	76	279350	50.006	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	407175	233.121	ug/l	96
59) 2-Hexanone	10.973	43	434400	281.333	ug/l	91
60) Dibromochloromethane	11.132	129	201619	48.566	ug/l	98
61) 1,2-Dibromoethane	11.238	107	157727	49.578	ug/l	98
64) Tetrachloroethene	10.867	164	199970	53.126	ug/l	99
65) Chlorobenzene	11.661	112	594604	50.434	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	218644	50.005	ug/l	99
67) Ethyl Benzene	11.732	91	1096921	53.001	ug/l	100
68) m/p-Xylenes	11.843	106	869957	108.192	ug/l	96
69) o-Xylene	12.173	106	400197	54.178	ug/l	95
70) Styrene	12.185	104	680101	53.515	ug/l	97
71) Bromoform	12.349	173	114103	50.704	ug/l #	99
73) Isopropylbenzene	12.467	105	1067302	53.466	ug/l	99
74) N-amyl acetate	12.279	43	218346	50.139	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	178311	48.433	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	128109m	46.628	ug/l	
77) Bromobenzene	12.749	156	237994	50.647	ug/l	91
78) n-propylbenzene	12.808	91	1309441	52.250	ug/l	98
79) 2-Chlorotoluene	12.896	91	736317	50.886	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	888548	52.546	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	56122	49.039	ug/l	90
82) 4-Chlorotoluene	12.990	91	770830	50.824	ug/l	99
83) tert-Butylbenzene	13.208	119	773200	54.253	ug/l	94
84) 1,2,4-Trimethylbenzene	13.255	105	880279	52.695	ug/l	99
85) sec-Butylbenzene	13.385	105	1161578	53.379	ug/l	99
86) p-Isopropyltoluene	13.502	119	946917	53.381	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	477396	50.402	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	467097	48.853	ug/l	99
89) n-Butylbenzene	13.826	91	914310	54.096	ug/l	99
90) Hexachloroethane	14.096	117	186026	50.682	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	408928	49.898	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.484	75	26492	46.988	ug/l	86
93) 1,2,4-Trichlorobenzene	15.143	180	243723	52.383	ug/l	99
94) Hexachlorobutadiene	15.249	225	132874	50.680	ug/l	97
95) Naphthalene	15.379	128	440056	48.164	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	214522	52.009	ug/l	98

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

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