

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052122\
 Data File : VD073227.D
 Acq On : 21 May 2022 13:31
 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 22 01:31:00 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	343178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	563458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	542333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	259598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	192064	50.642	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.280%			
35) Dibromofluoromethane	7.909	113	199601	53.684	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.360%			
50) Toluene-d8	10.332	98	746055	54.434	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.860%			
62) 4-Bromofluorobenzene	12.620	95	262958	54.670	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.340%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	148799	43.392	ug/l	99
3) Chloromethane	2.209	50	159430	41.116	ug/l	94
4) Vinyl Chloride	2.344	62	154353	43.533	ug/l	99
5) Bromomethane	2.762	94	110405	48.445	ug/l	94
6) Chloroethane	2.915	64	98520	45.199	ug/l	98
7) Trichlorofluoromethane	3.268	101	298607	47.628	ug/l	98
8) Diethyl Ether	3.709	74	83309	48.357	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.091	101	181286	48.462	ug/l	96
10) Methyl Iodide	4.297	142	184204	45.641	ug/l	99
11) Tert butyl alcohol	5.220	59	60158	102.236	ug/l	98
12) 1,1-Dichloroethene	4.062	96	166616	48.311	ug/l	87
13) Acrolein	3.920	56	59956	258.628	ug/l	100
14) Allyl chloride	4.715	41	261847	47.036	ug/l	92
15) Acrylonitrile	5.415	53	192148	243.910	ug/l	98
16) Acetone	4.150	43	174705	265.947	ug/l	95
17) Carbon Disulfide	4.403	76	499509	43.690	ug/l	99
18) Methyl Acetate	4.709	43	85167	46.624	ug/l #	91
19) Methyl tert-butyl Ether	5.479	73	388932	49.501	ug/l	94
20) Methylene Chloride	4.956	84	200338	47.913	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	197342	47.325	ug/l	96
22) Diisopropyl ether	6.362	45	579610	49.666	ug/l	93
23) Vinyl Acetate	6.303	43	1535334	246.647	ug/l	95
24) 1,1-Dichloroethane	6.256	63	350732	46.822	ug/l	98
25) 2-Butanone	7.203	43	239337	249.025	ug/l	100
26) 2,2-Dichloropropane	7.203	77	305568	47.833	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	223868	48.518	ug/l	91
28) Bromochloromethane	7.538	49	136709	52.974	ug/l	85
29) Tetrahydrofuran	7.561	42	149980	241.334	ug/l	91
30) Chloroform	7.703	83	376485	48.142	ug/l	98
31) Cyclohexane	7.979	56	307605	46.412	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	331921	48.528	ug/l	95
36) 1,1-Dichloropropene	8.108	75	280511	50.164	ug/l	95
37) Ethyl Acetate	7.291	43	106119	48.044	ug/l #	94
38) Carbon Tetrachloride	8.091	117	289634	51.096	ug/l	97
39) Methylcyclohexane	9.350	83	322058	51.679	ug/l	98
40) Benzene	8.344	78	803258	49.842	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	62393	48.483	ug/l #	90
42) 1,2-Dichloroethane	8.414	62	225406	50.266	ug/l	97
43) Isopropyl Acetate	8.444	43	207444	50.811	ug/l #	92
44) Trichloroethene	9.108	130	215548	50.156	ug/l	95
45) 1,2-Dichloropropane	9.379	63	205391	50.606	ug/l	99
46) Dibromomethane	9.467	93	107851	48.384	ug/l	97
47) Bromodichloromethane	9.655	83	282911	49.603	ug/l	99
48) Methyl methacrylate	9.450	41	104296	50.777	ug/l #	88
49) 1,4-Dioxane	9.450	88	24708	1073.346	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	539681	254.514	ug/l	92
52) Toluene	10.397	92	528999	51.944	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	262641	50.972	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	309035	50.118	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	151682	50.321	ug/l	98
56) Ethyl methacrylate	10.650	69	179828	53.657	ug/l	87
57) 1,3-Dichloropropane	10.938	76	252945	50.012	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	412071	258.034	ug/l	96
59) 2-Hexanone	10.973	43	381990	273.246	ug/l	94
60) Dibromochloromethane	11.132	129	193001	51.349	ug/l	98
61) 1,2-Dibromoethane	11.238	107	144761	50.258	ug/l	98
64) Tetrachloroethene	10.867	164	172051	48.436	ug/l	95
65) Chlorobenzene	11.661	112	544340	48.926	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	207439	50.273	ug/l	98
67) Ethyl Benzene	11.738	91	1003996	51.405	ug/l	98
68) m/p-Xylenes	11.844	106	787189	103.740	ug/l	98
69) o-Xylene	12.173	106	360648	51.737	ug/l	97
70) Styrene	12.185	104	636553	53.077	ug/l	97
71) Bromoform	12.349	173	107235	50.496	ug/l #	99
73) Isopropylbenzene	12.467	105	975874	52.731	ug/l	99
74) N-amyl acetate	12.279	43	206190	51.072	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	170165	49.855	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	121803m	47.820	ug/l	
77) Bromobenzene	12.749	156	217760	49.986	ug/l	93
78) n-propylbenzene	12.808	91	1226086	52.772	ug/l	99
79) 2-Chlorotoluene	12.896	91	689337	51.387	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	831924	53.067	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	53499	50.424	ug/l	89
82) 4-Chlorotoluene	12.991	91	726195	51.647	ug/l	100
83) tert-Butylbenzene	13.208	119	720553	54.536	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	823712	53.187	ug/l	98
85) sec-Butylbenzene	13.385	105	1081281	53.597	ug/l	100
86) p-Isopropyltoluene	13.502	119	894711	54.405	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	449065	51.140	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	439132	49.541	ug/l	98
89) n-Butylbenzene	13.826	91	848900	54.176	ug/l	99
90) Hexachloroethane	14.096	117	172475	50.686	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	386945	50.930	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	26163	50.054	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	228513	52.977	ug/l	98
94) Hexachlorobutadiene	15.249	225	124401	51.180	ug/l	99
95) Naphthalene	15.385	128	405109	47.851	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	199175	52.086	ug/l	100

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

