

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011122\
 Data File : VD071676.D
 Acq On : 11 Jan 2022 17:57
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/12/2022
 Supervised By : Mahesh Dadoda 01/12/2022

Quant Time: Jan 12 04:27:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	294390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	506670	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	470133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	232572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	195302	51.559	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.120%			
35) Dibromofluoromethane	7.914	113	168377	50.285	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.560%			
50) Toluene-d8	10.338	98	653296	52.120	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.240%			
62) 4-Bromofluorobenzene	12.626	95	224314	50.787	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	105856	47.420	ug/l	99
3) Chloromethane	2.215	50	150161	51.367	ug/l	98
4) Vinyl Chloride	2.350	62	178448	48.752	ug/l	95
5) Bromomethane	2.773	94	114687	46.860	ug/l	93
6) Chloroethane	2.926	64	124561	47.753	ug/l	93
7) Trichlorofluoromethane	3.279	101	236779	45.632	ug/l	96
8) Diethyl Ether	3.709	74	68521	50.209	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.103	101	142387	46.948	ug/l	99
10) Methyl Iodide	4.303	142	131787	45.448	ug/l	98
11) Tert butyl alcohol	5.220	59	52006	283.149	ug/l	98
12) 1,1-Dichloroethene	4.073	96	121486	46.161	ug/l	90
13) Acrolein	3.920	56	68535	185.371	ug/l	99
14) Allyl chloride	4.715	41	255187	48.901	ug/l	98
15) Acrylonitrile	5.420	53	180262	249.942	ug/l	99
16) Acetone	4.156	43	244822	279.942	ug/l	95
17) Carbon Disulfide	4.415	76	315189	47.734	ug/l	100
18) Methyl Acetate	4.720	43	121237	48.260	ug/l	98
19) Methyl tert-butyl Ether	5.485	73	347569	50.031	ug/l	94
20) Methylene Chloride	4.967	84	160607	49.650	ug/l	90
21) trans-1,2-Dichloroethene	5.479	96	141847	47.197	ug/l	94
22) Diisopropyl ether	6.362	45	574620	51.137	ug/l	97
23) Vinyl Acetate	6.309	43	1413292	269.513	ug/l	99
24) 1,1-Dichloroethane	6.267	63	311691	48.596	ug/l	97
25) 2-Butanone	7.209	43	269349	260.674	ug/l	96
26) 2,2-Dichloropropane	7.209	77	262533	48.744	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	176494	49.754	ug/l	99
28) Bromochloromethane	7.550	49	166064	53.149	ug/l	99
29) Tetrahydrofuran	7.561	42	151718	255.237	ug/l	98
30) Chloroform	7.708	83	320178	48.817	ug/l	99
31) Cyclohexane	7.985	56	250452	47.778	ug/l #	95
32) 1,1,1-Trichloroethane	7.903	97	277458	47.997	ug/l	99
36) 1,1-Dichloropropene	8.114	75	224648	47.032	ug/l	99
37) Ethyl Acetate	7.291	43	106826	48.188	ug/l	98
38) Carbon Tetrachloride	8.097	117	237499	49.099	ug/l	99
39) Methylcyclohexane	9.355	83	244692	47.428	ug/l	96
40) Benzene	8.350	78	630639	47.919	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	73171	53.456	ug/l #	90
42) 1,2-Dichloroethane	8.426	62	213381	47.899	ug/l	98
43) Isopropyl Acetate	8.450	43	215760	51.704	ug/l	99
44) Trichloroethene	9.108	130	160375	47.353	ug/l	98
45) 1,2-Dichloropropane	9.385	63	177355	49.853	ug/l	99
46) Dibromomethane	9.473	93	88937	48.842	ug/l	98
47) Bromodichloromethane	9.655	83	250145	50.035	ug/l	99
48) Methyl methacrylate	9.450	41	109972	52.150	ug/l	88
49) 1,4-Dioxane	9.461	88	20537	1124.948	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	578133	262.284	ug/l	98
52) Toluene	10.397	92	414345	50.018	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	231996	52.901	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	259346	50.155	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	124886	52.316	ug/l	97
56) Ethyl methacrylate	10.655	69	158350	54.117	ug/l	98
57) 1,3-Dichloropropane	10.938	76	216979	49.187	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	424098	262.549	ug/l	100
59) 2-Hexanone	10.979	43	424808	275.932	ug/l	100
60) Dibromochloromethane	11.138	129	152590	50.218	ug/l	98
61) 1,2-Dibromoethane	11.238	107	112055	49.063	ug/l	99
64) Tetrachloroethene	10.873	164	129741	46.980	ug/l	97
65) Chlorobenzene	11.661	112	429248	47.713	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	164347	48.179	ug/l	98
67) Ethyl Benzene	11.738	91	817070	49.471	ug/l	99
68) m/p-Xylenes	11.849	106	623085	101.435	ug/l	96
69) o-Xylene	12.173	106	288826	49.677	ug/l	100
70) Styrene	12.185	104	506349	50.810	ug/l	99
71) Bromoform	12.355	173	86294	51.808	ug/l #	99
73) Isopropylbenzene	12.473	105	790299	47.285	ug/l	99
74) N-amyl acetate	12.279	43	204481	49.876	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	139657	47.155	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	117156m	52.132	ug/l	
77) Bromobenzene	12.749	156	168465	46.663	ug/l	98
78) n-propylbenzene	12.814	91	1004688	47.797	ug/l	99
79) 2-Chlorotoluene	12.902	91	560160	47.283	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	669619	47.951	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	40634	50.409	ug/l	96
82) 4-Chlorotoluene	12.996	91	584664	47.569	ug/l	100
83) tert-Butylbenzene	13.214	119	568164	47.614	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	668334	48.395	ug/l	99
85) sec-Butylbenzene	13.391	105	872278	47.727	ug/l	99
86) p-Isopropyltoluene	13.508	119	718698	47.896	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	353776	47.484	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	353780	46.544	ug/l	98
89) n-Butylbenzene	13.832	91	715978	47.645	ug/l	99
90) Hexachloroethane	14.096	117	138422	46.625	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	305004	47.767	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	22059	46.341	ug/l	90
93) 1,2,4-Trichlorobenzene	15.143	180	179758	48.849	ug/l	99
94) Hexachlorobutadiene	15.249	225	94152	43.644	ug/l	95
95) Naphthalene	15.385	128	327303	50.236	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	154503	49.273	ug/l	99

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

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