

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
 Data File : VD072202.D
 Acq On : 15 Mar 2022 21:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/16/2022
 Supervised By : Mahesh Dadoda 03/17/2022

Quant Time: Mar 16 01:04:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	479812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	811479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	756600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	369199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	287769	53.816	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.640%			
35) Dibromofluoromethane	7.909	113	283345	49.619	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.240%			
50) Toluene-d8	10.332	98	1049950	50.284	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.560%			
62) 4-Bromofluorobenzene	12.626	95	396309	48.848	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.700%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	194036	43.722	ug/l	99
3) Chloromethane	2.209	50	217963	55.270	ug/l	98
4) Vinyl Chloride	2.344	62	199849	52.500	ug/l	98
5) Bromomethane	2.762	94	133773	53.967	ug/l	98
6) Chloroethane	2.921	64	142100	56.460	ug/l	93
7) Trichlorofluoromethane	3.273	101	392887	45.703	ug/l	99
8) Diethyl Ether	3.709	74	135578	57.104	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.085	101	252829	46.125	ug/l	96
10) Methyl Iodide	4.297	142	227324	46.456	ug/l	98
11) Tert butyl alcohol	5.220	59	85751	276.581	ug/l	100
12) 1,1-Dichloroethene	4.068	96	227946	51.691	ug/l	92
13) Acrolein	3.915	56	52338	189.182	ug/l	97
14) Allyl chloride	4.715	41	426752	55.349	ug/l	93
15) Acrylonitrile	5.420	53	343950	287.106	ug/l	98
16) Acetone	4.150	43	250530	215.790	ug/l	97
17) Carbon Disulfide	4.409	76	523323	50.856	ug/l	98
18) Methyl Acetate	4.715	43	149614	52.586	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	694418	57.936	ug/l	93
20) Methylene Chloride	4.962	84	315025	55.532	ug/l	89
21) trans-1,2-Dichloroethene	5.467	96	267538	54.851	ug/l	91
22) Diisopropyl ether	6.362	45	1009327	57.393	ug/l	93
23) Vinyl Acetate	6.303	43	2704468	301.329	ug/l	96
24) 1,1-Dichloroethane	6.262	63	557941	53.795	ug/l	98
25) 2-Butanone	7.209	43	404730	261.459	ug/l	92
26) 2,2-Dichloropropane	7.203	77	433356	46.308	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	341826	54.893	ug/l	95
28) Bromochloromethane	7.544	49	239208	57.290	ug/l	84
29) Tetrahydrofuran	7.556	42	273024	299.952	ug/l	95
30) Chloroform	7.703	83	581832	52.658	ug/l	99
31) Cyclohexane	7.979	56	416278	49.828	ug/l	97
32) 1,1,1-Trichloroethane	7.903	97	484265	49.347	ug/l	96
36) 1,1-Dichloropropene	8.108	75	389487	48.619	ug/l	98
37) Ethyl Acetate	7.291	43	189427	53.981	ug/l #	95
38) Carbon Tetrachloride	8.091	117	405645	44.546	ug/l	96
39) Methylcyclohexane	9.350	83	455940	50.577	ug/l	98
40) Benzene	8.344	78	1178445	51.563	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	131782	64.430	ug/l	96
42) 1,2-Dichloroethane	8.420	62	355461	51.271	ug/l	95
43) Isopropyl Acetate	8.450	43	396195	58.169	ug/l	98
44) Trichloroethene	9.108	130	317389	49.468	ug/l	94
45) 1,2-Dichloropropane	9.385	63	324402	51.756	ug/l	96
46) Dibromomethane	9.467	93	162653	52.754	ug/l	94
47) Bromodichloromethane	9.655	83	453328	50.435	ug/l	99
48) Methyl methacrylate	9.450	41	171326	52.680	ug/l #	85
49) 1,4-Dioxane	9.455	88	39927	1079.898	ug/l #	77
51) 4-Methyl-2-Pentanone	10.220	43	988689	276.375	ug/l	94
52) Toluene	10.397	92	771491	51.300	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	411550	50.115	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	490310	51.648	ug/l	92
55) 1,1,2-Trichloroethane	10.791	97	245662	52.304	ug/l	98
56) Ethyl methacrylate	10.655	69	328182	59.655	ug/l #	90
57) 1,3-Dichloropropane	10.938	76	410051	52.019	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	649636	262.633	ug/l	96
59) 2-Hexanone	10.979	43	686596	277.888	ug/l	97
60) Dibromochloromethane	11.132	129	301384	49.451	ug/l	98
61) 1,2-Dibromoethane	11.238	107	218363	51.451	ug/l	95
64) Tetrachloroethene	10.873	164	253253	47.507	ug/l	98
65) Chlorobenzene	11.661	112	837450	49.927	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	321663	48.495	ug/l	98
67) Ethyl Benzene	11.738	91	1496289	49.946	ug/l	99
68) m/p-Xylenes	11.844	106	1143588	100.529	ug/l	99
69) o-Xylene	12.173	106	560843	51.543	ug/l	96
70) Styrene	12.185	104	966692	50.877	ug/l	98
71) Bromoform	12.349	173	174654	49.293	ug/l #	98
73) Isopropylbenzene	12.473	105	1483947	50.721	ug/l	99
74) N-amyl acetate	12.279	43	367773	58.494	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	271676	51.920	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	206836m	50.787	ug/l	
77) Bromobenzene	12.749	156	340927	51.773	ug/l	94
78) n-propylbenzene	12.808	91	1775882	49.972	ug/l	98
79) 2-Chlorotoluene	12.896	91	1041592	50.688	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	1246221	49.582	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	85908	52.337	ug/l	89
82) 4-Chlorotoluene	12.996	91	1071672	50.367	ug/l	99
83) tert-Butylbenzene	13.214	119	1087148	49.335	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	1240300	50.081	ug/l	100
85) sec-Butylbenzene	13.391	105	1570512	47.459	ug/l	99
86) p-Isopropyltoluene	13.502	119	1316768	48.356	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	674335	48.862	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	663493	48.482	ug/l	99
89) n-Butylbenzene	13.832	91	1231892	47.462	ug/l	99
90) Hexachloroethane	14.096	117	250301	46.899	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	596978	49.614	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.485	75	42520	50.917	ug/l	86
93) 1,2,4-Trichlorobenzene	15.143	180	382810	48.054	ug/l	100
94) Hexachlorobutadiene	15.249	225	200666	43.303	ug/l	99
95) Naphthalene	15.385	128	721147	52.515	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	333926	48.426	ug/l	99

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

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