

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073011.D
 Acq On : 14 May 2022 01:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2022
 Supervised By : Mahesh Dadoda 05/19/2022

Quant Time: May 16 05:19:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	303164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	509303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	487769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	232998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	176548	44.863	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.720%		
35) Dibromofluoromethane	7.914	113	182480	51.016	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.040%		
50) Toluene-d8	10.332	98	645420	50.303	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.600%		
62) 4-Bromofluorobenzene	12.620	95	238300	49.810	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.620%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	166933	39.847	ug/l	96
3) Chloromethane	2.209	50	173125	39.737	ug/l	95
4) Vinyl Chloride	2.344	62	163868	41.917	ug/l	94
5) Bromomethane	2.762	94	115155	47.820	ug/l	100
6) Chloroethane	2.921	64	106273	43.617	ug/l	100
7) Trichlorofluoromethane	3.268	101	302094	44.129	ug/l	100
8) Diethyl Ether	3.709	74	90780	46.255	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	183991	45.271	ug/l	96
10) Methyl Iodide	4.297	142	192322	47.153	ug/l	100
11) Tert butyl alcohol	5.203	59	84729	248.847	ug/l #	82
12) 1,1-Dichloroethene	4.068	96	167987	45.953	ug/l	90
13) Acrolein	3.921	56	21062	77.456	ug/l	99
14) Allyl chloride	4.709	41	284449	48.196	ug/l	91
15) Acrylonitrile	5.420	53	215530	231.079	ug/l	96
16) Acetone	4.156	43	155553	208.891	ug/l	94
17) Carbon Disulfide	4.409	76	480843	41.833	ug/l	99
18) Methyl Acetate	4.715	43	104467	48.778	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	423495	48.325	ug/l	100
20) Methylene Chloride	4.956	84	232111	49.212	ug/l	91
21) trans-1,2-Dichloroethene	5.467	96	202870	48.389	ug/l	91
22) Diisopropyl ether	6.362	45	624423	48.096	ug/l	96
23) Vinyl Acetate	6.303	43	1697515	236.687	ug/l	95
24) 1,1-Dichloroethane	6.262	63	378968	48.584	ug/l	98
25) 2-Butanone	7.209	43	257411	224.495	ug/l	95
26) 2,2-Dichloropropane	7.203	77	290395	44.038	ug/l	96
27) cis-1,2-Dichloroethene	7.203	96	230483	47.999	ug/l	93
28) Bromochloromethane	7.544	49	139105	47.822	ug/l #	83
29) Tetrahydrofuran	7.556	42	168411	230.428	ug/l	93
30) Chloroform	7.703	83	397878	48.207	ug/l	97
31) Cyclohexane	7.979	56	300538	43.688	ug/l	93
32) 1,1,1-Trichloroethane	7.897	97	338079	48.062	ug/l	97
36) 1,1-Dichloropropene	8.109	75	281148	48.339	ug/l	96
37) Ethyl Acetate	7.285	43	122587	45.849	ug/l	95
38) Carbon Tetrachloride	8.097	117	292511	48.449	ug/l	98
39) Methylcyclohexane	9.350	83	309027	45.807	ug/l	99
40) Benzene	8.344	78	828965	49.355	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	72898	45.790	ug/l	92
42) 1,2-Dichloroethane	8.420	62	240140	47.445	ug/l	97
43) Isopropyl Acetate	8.450	43	234444	47.508	ug/l	94
44) Trichloroethene	9.108	130	219981	48.955	ug/l	98
45) 1,2-Dichloropropane	9.379	63	215522	48.861	ug/l	98
46) Dibromomethane	9.467	93	115375	47.418	ug/l	96
47) Bromodichloromethane	9.650	83	304112	48.585	ug/l	97
48) Methyl methacrylate	9.450	41	110632	45.825	ug/l #	84
49) 1,4-Dioxane	9.456	88	24973	911.437	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	622053	242.579	ug/l	95
52) Toluene	10.397	92	539327	51.476	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	269218	46.825	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	321828	48.180	ug/l #	89
55) 1,1,2-Trichloroethane	10.791	97	159319	48.436	ug/l	97
56) Ethyl methacrylate	10.655	69	196988	50.864	ug/l #	86
57) 1,3-Dichloropropane	10.938	76	274081	48.556	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	475650	253.314	ug/l	97
59) 2-Hexanone	10.973	43	415518	240.810	ug/l	94
60) Dibromochloromethane	11.132	129	204333	49.347	ug/l	97
61) 1,2-Dibromoethane	11.238	107	152840	47.739	ug/l	99
64) Tetrachloroethene	10.867	164	172160	48.276	ug/l	95
65) Chlorobenzene	11.661	112	565781	50.150	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	213165	50.276	ug/l	98
67) Ethyl Benzene	11.732	91	1023058	52.399	ug/l	100
68) m/p-Xylenes	11.844	106	786508	104.577	ug/l	98
69) o-Xylene	12.173	106	368073	52.402	ug/l	97
70) Styrene	12.185	104	643151	52.848	ug/l	98
71) Bromoform	12.349	173	116436	50.672	ug/l #	98
73) Isopropylbenzene	12.467	105	988656	54.538	ug/l	100
74) N-amyl acetate	12.279	43	226019	50.066	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	183318	50.096	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	127247m	48.977	ug/l	
77) Bromobenzene	12.749	156	220790	51.290	ug/l	94
78) n-propylbenzene	12.808	91	1209072	52.920	ug/l	99
79) 2-Chlorotoluene	12.897	91	696221	52.166	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	830636	54.038	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	54175	47.951	ug/l	87
82) 4-Chlorotoluene	12.991	91	725438	52.022	ug/l	100
83) tert-Butylbenzene	13.208	119	716645	54.839	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	817058	53.178	ug/l	99
85) sec-Butylbenzene	13.385	105	1067399	54.155	ug/l	99
86) p-Isopropyltoluene	13.502	119	861842	53.332	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	441518	50.914	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	436939	50.596	ug/l	99
89) n-Butylbenzene	13.826	91	817882	52.246	ug/l	100
90) Hexachloroethane	14.096	117	175016	52.866	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	383831	50.787	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	26502	45.687	ug/l	88
93) 1,2,4-Trichlorobenzene	15.143	180	227516	50.832	ug/l	97
94) Hexachlorobutadiene	15.249	225	123166	50.387	ug/l	98
95) Naphthalene	15.379	128	429131	52.147	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	199839	50.367	ug/l	99

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

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