

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121121\
 Data File : VD071285.D
 Acq On : 11 Dec 2021 22:27
 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 :Semsettin Yesilyurt 12/12/2021
 Supervised By :Amit Patel 12/13/2021

Quant Time: Dec 12 18:54:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	212719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	373916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	356292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	184730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	151548	60.716	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.440%			
35) Dibromofluoromethane	7.914	113	137042	57.555	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.120%			
50) Toluene-d8	10.332	98	455442	50.263	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.520%			
62) 4-Bromofluorobenzene	12.620	95	177342	56.462	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	70016	38.597	ug/l	96
3) Chloromethane	2.209	50	132922	55.388	ug/l	98
4) Vinyl Chloride	2.350	62	151171	56.461	ug/l	97
5) Bromomethane	2.762	94	103726	53.742	ug/l	99
6) Chloroethane	2.920	64	114803	62.342	ug/l	95
7) Trichlorofluoromethane	3.273	101	174702	48.167	ug/l	94
8) Diethyl Ether	3.709	74	56528	57.489	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.097	101	102887	48.081	ug/l	97
10) Methyl Iodide	4.303	142	90996	37.804	ug/l	95
11) Tert butyl alcohol	5.220	59	63091	416.881	ug/l #	93
12) 1,1-Dichloroethene	4.067	96	95749	48.487	ug/l	95
13) Acrolein	3.920	56	29237	171.408	ug/l	97
14) Allyl chloride	4.709	41	194356	51.816	ug/l #	81
15) Acrylonitrile	5.420	53	175474	366.947	ug/l	97
16) Acetone	4.150	43	184782	275.249	ug/l #	83
17) Carbon Disulfide	4.409	76	250341	43.299	ug/l	96
18) Methyl Acetate	4.714	43	147008	79.826	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	303061	62.621	ug/l	97
20) Methylene Chloride	4.956	84	145503	58.477	ug/l	90
21) trans-1,2-Dichloroethene	5.473	96	113894	51.236	ug/l	88
22) Diisopropyl ether	6.361	45	445424	59.270	ug/l	93
23) Vinyl Acetate	6.303	43	1076425	263.252	ug/l	97
24) 1,1-Dichloroethane	6.261	63	242147	56.020	ug/l	100
25) 2-Butanone	7.208	43	239086	305.260	ug/l #	85
26) 2,2-Dichloropropane	7.208	77	178260	45.352	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	140289	55.784	ug/l	92
28) Bromochloromethane	7.544	49	108083	57.569	ug/l	91
29) Tetrahydrofuran	7.561	42	147975	373.352	ug/l	94
30) Chloroform	7.708	83	257009	59.245	ug/l	98
31) Cyclohexane	7.985	56	187692	44.208	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	207632	53.310	ug/l	95
36) 1,1-Dichloropropene	8.108	75	172007	49.219	ug/l	96
37) Ethyl Acetate	7.285	43	98875	65.498	ug/l #	91
38) Carbon Tetrachloride	8.091	117	178148	51.713	ug/l	94
39) Methylcyclohexane	9.355	83	184604	43.918	ug/l	97
40) Benzene	8.350	78	501378	52.817	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	51765	65.969	ug/l	88
42) 1,2-Dichloroethane	8.420	62	176356	60.863	ug/l	95
43) Isopropyl Acetate	8.450	43	189218	56.237	ug/l #	89
44) Trichloroethene	9.108	130	128517	50.777	ug/l	94
45) 1,2-Dichloropropane	9.379	63	138757	55.583	ug/l	98
46) Dibromomethane	9.473	93	77149	59.566	ug/l	94
47) Bromodichloromethane	9.661	83	200807	58.626	ug/l	98
48) Methyl methacrylate	9.450	41	88841	60.123	ug/l #	79
49) 1,4-Dioxane	9.455	88	18609	1488.428	ug/l #	88
51) 4-Methyl-2-Pentanone	10.220	43	550237	314.258	ug/l	90
52) Toluene	10.397	92	318695	52.913	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	177740	56.440	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	204209	54.590	ug/l #	82
55) 1,1,2-Trichloroethane	10.791	97	108571	63.900	ug/l	94
56) Ethyl methacrylate	10.655	69	138525	55.841	ug/l #	73
57) 1,3-Dichloropropane	10.938	76	187514	62.823	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	310199	268.293	ug/l	100
59) 2-Hexanone	10.979	43	381613	290.946	ug/l	87
60) Dibromochloromethane	11.132	129	132130	62.570	ug/l	97
61) 1,2-Dibromoethane	11.238	107	102607	62.879	ug/l	100
64) Tetrachloroethene	10.873	164	109540	48.428	ug/l	96
65) Chlorobenzene	11.661	112	344052	52.044	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	132938	55.076	ug/l	98
67) Ethyl Benzene	11.738	91	624922	50.215	ug/l	99
68) m/p-Xylenes	11.844	106	473209	100.718	ug/l	95
69) o-Xylene	12.173	106	227423	51.501	ug/l	95
70) Styrene	12.185	104	401198	53.907	ug/l	97
71) Bromoform	12.349	173	78606	62.861	ug/l #	97
73) Isopropylbenzene	12.467	105	599413	44.813	ug/l	99
74) N-amyl acetate	12.279	43	179065	49.022	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	131590	59.739	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	104502m	59.375	ug/l	
77) Bromobenzene	12.749	156	141557	48.860	ug/l	97
78) n-propylbenzene	12.808	91	750857	45.076	ug/l	100
79) 2-Chlorotoluene	12.896	91	434221	46.445	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	517116	46.882	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	34165	45.933	ug/l #	78
82) 4-Chlorotoluene	12.996	91	450421	46.407	ug/l	98
83) tert-Butylbenzene	13.214	119	437600	46.196	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	523173	48.583	ug/l	98
85) sec-Butylbenzene	13.390	105	658235	45.496	ug/l	100
86) p-Isopropyltoluene	13.502	119	553035	46.735	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	287736	49.891	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	283963	49.696	ug/l	100
89) n-Butylbenzene	13.832	91	534752	46.293	ug/l	98
90) Hexachloroethane	14.096	117	107255	47.813	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	252050	51.391	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	22805	63.574	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	147362	48.168	ug/l	99
94) Hexachlorobutadiene	15.249	225	78532	45.368	ug/l	99
95) Naphthalene	15.384	128	329790	61.150	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	132493	50.990	ug/l	97

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

