

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120121\
 Data File : VD071110.D
 Acq On : 01 Dec 2021 17:28
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/02/2021
 Supervised By : Mahesh Dadoda 12/03/2021

Quant Time: Dec 02 03:15:35 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	290661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	490415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	441961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	215407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	155235	45.516	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.040%		
35) Dibromofluoromethane	7.909	113	143414	45.923	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.840%		
50) Toluene-d8	10.332	98	526165	44.274	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.540%		
62) 4-Bromofluorobenzene	12.626	95	192639	46.762	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.520%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	115121	46.445	ug/l	91
3) Chloromethane	2.209	50	179034	54.597	ug/l	100
4) Vinyl Chloride	2.350	62	199212	54.452	ug/l	99
5) Bromomethane	2.774	94	137229	52.034	ug/l	99
6) Chloroethane	2.926	64	144094	57.265	ug/l	93
7) Trichlorofluoromethane	3.274	101	268732	54.223	ug/l	97
8) Diethyl Ether	3.709	74	74236	55.253	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.097	101	159097	54.412	ug/l	97
10) Methyl Iodide	4.303	142	152576	45.354	ug/l	95
11) Tert butyl alcohol	5.203	59	68732	328.026	ug/l #	90
12) 1,1-Dichloroethene	4.073	96	141473	52.430	ug/l	81
13) Acrolein	3.921	56	48489	208.047	ug/l	94
14) Allyl chloride	4.715	41	277173	54.080	ug/l #	81
15) Acrylonitrile	5.420	53	196447	300.646	ug/l	96
16) Acetone	4.150	43	242722	265.795	ug/l	88
17) Carbon Disulfide	4.409	76	397363	50.298	ug/l	97
18) Methyl Acetate	4.721	43	145854	57.962	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	383581	58.005	ug/l	100
20) Methylene Chloride	4.962	84	178597	52.066	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	165866	54.607	ug/l	93
22) Diisopropyl ether	6.362	45	593428	57.790	ug/l	94
23) Vinyl Acetate	6.303	43	1424070	255.747	ug/l	96
24) 1,1-Dichloroethane	6.262	63	329697	55.821	ug/l	99
25) 2-Butanone	7.209	43	286562	271.249	ug/l	90
26) 2,2-Dichloropropane	7.209	77	277356	51.642	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	194639	56.642	ug/l	93
28) Bromochloromethane	7.544	49	126537	49.325	ug/l	91
29) Tetrahydrofuran	7.562	42	162078	299.277	ug/l	95
30) Chloroform	7.709	83	336769	56.814	ug/l	99
31) Cyclohexane	7.985	56	290958	50.154	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	291838	54.838	ug/l #	94
36) 1,1-Dichloropropene	8.109	75	249230	54.375	ug/l	98
37) Ethyl Acetate	7.291	43	113388	57.269	ug/l #	86
38) Carbon Tetrachloride	8.097	117	253532	56.113	ug/l	100
39) Methylcyclohexane	9.350	83	295591	53.617	ug/l	98
40) Benzene	8.350	78	689475	55.378	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	58941	59.421	ug/l	90
42) 1,2-Dichloroethane	8.420	62	219256	57.693	ug/l	94
43) Isopropyl Acetate	8.450	43	230185	52.540	ug/l	90
44) Trichloroethene	9.108	130	181683	54.731	ug/l	94
45) 1,2-Dichloropropane	9.385	63	185530	56.664	ug/l	99
46) Dibromomethane	9.467	93	96976	57.088	ug/l	96
47) Bromodichloromethane	9.656	83	257225	57.257	ug/l	97
48) Methyl methacrylate	9.456	41	110314	56.920	ug/l #	81
49) 1,4-Dioxane	9.456	88	18850	1149.546	ug/l #	85
51) 4-Methyl-2-Pentanone	10.220	43	598351	265.795	ug/l	91
52) Toluene	10.397	92	434552	55.010	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	233061	56.426	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	268989	54.826	ug/l #	78
55) 1,1,2-Trichloroethane	10.791	97	130356	58.496	ug/l	97
56) Ethyl methacrylate	10.655	69	167733	52.011	ug/l #	76
57) 1,3-Dichloropropane	10.944	76	232019	59.268	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	382082	251.963	ug/l	100
59) 2-Hexanone	10.979	43	439226	259.555	ug/l	89
60) Dibromochloromethane	11.132	129	162520	58.679	ug/l	100
61) 1,2-Dibromoethane	11.244	107	123840	57.863	ug/l	99
64) Tetrachloroethene	10.873	164	154902	55.208	ug/l	97
65) Chlorobenzene	11.661	112	456050	55.614	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	172098	57.479	ug/l	99
67) Ethyl Benzene	11.738	91	867531	56.197	ug/l	99
68) m/p-Xylenes	11.850	106	658179	112.933	ug/l	97
69) o-Xylene	12.173	106	305616	55.793	ug/l	96
70) Styrene	12.185	104	532973	57.732	ug/l	97
71) Bromoform	12.350	173	93087	60.012	ug/l #	98
73) Isopropylbenzene	12.473	105	847829	54.358	ug/l	98
74) N-amyl acetate	12.279	43	207903	48.836	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	147416	57.393	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	104969m	51.147	ug/l	
77) Bromobenzene	12.749	156	182942	54.151	ug/l	98
78) n-propylbenzene	12.814	91	1031919	53.126	ug/l	99
79) 2-Chlorotoluene	12.897	91	577581	52.981	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	692518	53.843	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	42842	48.961	ug/l #	80
82) 4-Chlorotoluene	12.997	91	595520	52.618	ug/l	98
83) tert-Butylbenzene	13.214	119	590144	53.428	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	687598	54.758	ug/l	98
85) sec-Butylbenzene	13.391	105	907917	53.816	ug/l	98
86) p-Isopropyltoluene	13.508	119	746149	54.075	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	366466	54.492	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	361294	54.225	ug/l	98
89) n-Butylbenzene	13.832	91	739871	54.928	ug/l	99
90) Hexachloroethane	14.096	117	141019	53.912	ug/l	93
91) 1,2-Dichlorobenzene	13.879	146	321335	56.187	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.496	75	23239	55.557	ug/l	99
93) 1,2,4-Trichlorobenzene	15.149	180	199941	56.047	ug/l	97
94) Hexachlorobutadiene	15.249	225	110701	54.845	ug/l	99
95) Naphthalene	15.385	128	370037	58.841	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	176990	58.414	ug/l	98

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

