

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071422.D
 Acq On : 21 Dec 2021 20:36
 Operator : VA/SY
 Sample : M5182-06MS
 Misc : 8.20G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HB-2-(20-25)-12-17-21MS

Quant Time: Dec 21 21:12:31 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

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/22/2021
 Supervised By :Amit Patel 12/24/2021

Supervised By :Amit
 Patel
 12/24/2021

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	44536	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	87100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	98669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	54187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	51687	98.908	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 197.820%#			
35) Dibromofluoromethane	7.909	113	34876	62.880	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 125.760%			
50) Toluene-d8	10.332	98	103829	49.192	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.380%			
62) 4-Bromofluorobenzene	12.620	95	52553	71.828	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 143.660%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	15549	40.941	ug/l	95
3) Chloromethane	2.209	50	28415	56.553	ug/l #	85
4) Vinyl Chloride	2.350	62	28828	51.427	ug/l	100
5) Bromomethane	2.779	94	29212	72.290	ug/l	87
6) Chloroethane	2.926	64	22665	58.786	ug/l	96
7) Trichlorofluoromethane	3.279	101	42885	56.474	ug/l	95
8) Diethyl Ether	3.715	74	26990	131.105	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.097	101	24400	54.462	ug/l	96
10) Methyl Iodide	4.297	142	22143	43.199	ug/l	92
11) Tert butyl alcohol	5.215	59	43572	1117.405	ug/l	99
12) 1,1-Dichloroethene	4.079	96	22906	55.403	ug/l	98
13) Acrolein	3.915	56	3609	101.060	ug/l #	78
14) Allyl chloride	4.720	41	52278	66.570	ug/l #	77
15) Acrylonitrile	5.426	53	155606	1554.218	ug/l	98
16) Acetone	4.150	43	204097	1320.435	ug/l #	85
17) Carbon Disulfide	4.409	76	59061	48.791	ug/l #	94
18) Methyl Acetate	4.715	43	118084	306.260	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	150960	148.987	ug/l	98
20) Methylene Chloride	4.973	84	48806	96.431	ug/l #	92
21) trans-1,2-Dichloroethene	5.473	96	28187	60.565	ug/l #	84
22) Diisopropyl ether	6.362	45	156563	99.506	ug/l	92
23) Vinyl Acetate	6.303	43	530673	583.009	ug/l	95
24) 1,1-Dichloroethane	6.267	63	67013	74.049	ug/l	97
25) 2-Butanone	7.214	43	230258	1302.098	ug/l #	88
26) 2,2-Dichloropropane	7.214	77	47163	57.311	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	41886	79.552	ug/l	97
28) Bromochloromethane	7.550	49	40246	102.389	ug/l	89
29) Tetrahydrofuran	7.561	42	136013	1639.099	ug/l	93
30) Chloroform	7.709	83	76527	84.259	ug/l	98
31) Cyclohexane	7.979	56	39509	44.447	ug/l	90
32) 1,1,1-Trichloroethane	7.903	97	51022	62.571	ug/l #	93
36) 1,1-Dichloropropene	8.114	75	38475	47.263	ug/l	96
37) Ethyl Acetate	7.291	43	81817	232.669	ug/l	94
38) Carbon Tetrachloride	8.097	117	39466	49.181	ug/l	88
39) Methylcyclohexane	9.355	83	34921	35.665	ug/l	97
40) Benzene	8.350	78	130223	58.892	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.520	41	46083	157.954	ug/l	#	80
42) 1,2-Dichloroethane	8.420	62	69504	102.974	ug/l		96
43) Isopropyl Acetate	8.444	43	132955	159.105	ug/l	#	84
44) Trichloroethene	9.108	130	32811	55.652	ug/l		96
45) 1,2-Dichloropropane	9.385	63	44890	77.195	ug/l		100
46) Dibromomethane	9.473	93	36062	119.530	ug/l		93
47) Bromodichloromethane	9.655	83	67664	84.805	ug/l		99
48) Methyl methacrylate	9.456	41	63783	185.304	ug/l	#	78
49) 1,4-Dioxane	9.456	88	20795	7140.351	ug/l		99
51) 4-Methyl-2-Pentanone	10.220	43	432235	987.056	ug/l		90
52) Toluene	10.403	92	84867	60.490	ug/l		100
53) t-1,3-Dichloropropene	10.614	75	72399	98.693	ug/l		98
54) cis-1,3-Dichloropropene	10.085	75	73173	83.975	ug/l	#	83
55) 1,1,2-Trichloroethane	10.797	97	49914	126.114	ug/l		94
56) Ethyl methacrylate	10.655	69	80052	129.692	ug/l	#	73
57) 1,3-Dichloropropane	10.938	76	82409	118.527	ug/l		95
58) 2-Chloroethyl Vinyl ether	9.938	63	194859	723.513	ug/l		99
59) 2-Hexanone	10.979	43	332648	993.948	ug/l		90
60) Dibromochloromethane	11.132	129	57056	115.991	ug/l		98
61) 1,2-Dibromoethane	11.238	107	53832	141.621	ug/l		99
64) Tetrachloroethene	10.873	164	27217	43.450	ug/l		94
65) Chlorobenzene	11.661	112	102086	55.762	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.738	131	45402	67.922	ug/l		96
67) Ethyl Benzene	11.738	91	173633	50.381	ug/l		99
68) m/p-Xylenes	11.844	106	126771	97.431	ug/l		96
69) o-Xylene	12.173	106	68133	55.714	ug/l		100
70) Styrene	12.191	104	121999	59.193	ug/l		97
71) Bromoform	12.349	173	42950	124.027	ug/l	#	99
73) Isopropylbenzene	12.473	105	156581	39.908	ug/l		98
74) N-amyl acetate	12.279	43	111085	97.320	ug/l	#	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	89959	139.227	ug/l		94
76) 1,2,3-Trichloropropane	12.773	75	66202m	128.231	ug/l		
77) Bromobenzene	12.755	156	47610	56.022	ug/l		70
78) n-propylbenzene	12.808	91	178797	36.592	ug/l		97
79) 2-Chlorotoluene	12.897	91	119966	43.745	ug/l		99
80) 1,3,5-Trimethylbenzene	12.949	105	125661	38.839	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.520	75	25273	107.050	ug/l	#	75
82) 4-Chlorotoluene	12.996	91	125675	44.142	ug/l		98
83) tert-Butylbenzene	13.214	119	105032	37.800	ug/l		95
84) 1,2,4-Trimethylbenzene	13.255	105	134217	42.490	ug/l		100
85) sec-Butylbenzene	13.391	105	139470	32.863	ug/l		98
86) p-Isopropyltoluene	13.502	119	122001	35.148	ug/l		95
87) 1,3-Dichlorobenzene	13.502	146	82071	48.513	ug/l		98
88) 1,4-Dichlorobenzene	13.585	146	82306	49.106	ug/l		97
89) n-Butylbenzene	13.832	91	106152	31.328	ug/l		98
90) Hexachloroethane	14.102	117	26302	39.973	ug/l		87
91) 1,2-Dichlorobenzene	13.879	146	80084	55.665	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	14.491	75	18433	175.180	ug/l		96
93) 1,2,4-Trichlorobenzene	15.143	180	44884	50.016	ug/l	#	83
94) Hexachlorobutadiene	15.255	225	9674	19.053	ug/l		96
95) Naphthalene	15.385	128	190107	120.171	ug/l		97
96) 1,2,3-Trichlorobenzene	15.579	180	47959	62.922	ug/l	#	82

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

