

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071423.D
 Acq On : 21 Dec 2021 21:03
 Operator : VA/SY
 Sample : M5182-07MSD
 Misc : 6.81G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Dec 21 21:46:42 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

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	303377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.862	114	527414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	491776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	236157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	206926	58.129	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.260%			
35) Dibromofluoromethane	7.915	113	197301	58.746	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.500%			
50) Toluene-d8	10.338	98	632685	49.502	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.000%			
62) 4-Bromofluorobenzene	12.626	95	254977	57.553	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 115.100%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	113579	43.902	ug/l	97
3) Chloromethane	2.215	50	161561	47.204	ug/l	100
4) Vinyl Chloride	2.350	62	197682	51.769	ug/l	97
5) Bromomethane	2.762	94	135384	49.183	ug/l	99
6) Chloroethane	2.921	64	147266	56.073	ug/l	90
7) Trichlorofluoromethane	3.274	101	286139	55.316	ug/l	97
8) Diethyl Ether	3.715	74	93215	66.471	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	167390	54.849	ug/l	96
10) Methyl Iodide	4.303	142	173574	49.023	ug/l	95
11) Tert butyl alcohol	5.215	59	56108	243.788	ug/l	98
12) 1,1-Dichloroethene	4.068	96	152035	53.983	ug/l	81
13) Acrolein	3.932	56	6727	27.653	ug/l	98
14) Allyl chloride	4.709	41	302352	56.520	ug/l #	81
15) Acrylonitrile	5.415	53	242243	355.194	ug/l	96
16) Acetone	4.156	43	297809	307.043	ug/l	89
17) Carbon Disulfide	4.415	76	390693	47.381	ug/l	100
18) Methyl Acetate	4.715	43	185736	70.717	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	466476	67.584	ug/l	95
20) Methylene Chloride	4.962	84	219563	62.136	ug/l	93
21) trans-1,2-Dichloroethene	5.473	96	176818	55.773	ug/l	87
22) Diisopropyl ether	6.368	45	704587	65.739	ug/l	96
23) Vinyl Acetate	6.303	43	1507580	259.008	ug/l	97
24) 1,1-Dichloroethane	6.268	63	379760	61.602	ug/l	98
25) 2-Butanone	7.209	43	338372	303.141	ug/l	90
26) 2,2-Dichloropropane	7.209	77	302197	53.909	ug/l	97
27) cis-1,2-Dichloroethene	7.215	96	221776	61.834	ug/l	95
28) Bromochloromethane	7.544	49	167520	62.564	ug/l	92
29) Tetrahydrofuran	7.562	42	202480	358.208	ug/l	93
30) Chloroform	7.709	83	392561	63.451	ug/l	99
31) Cyclohexane	7.979	56	272783	45.050	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	337831	60.819	ug/l	94
36) 1,1-Dichloropropene	8.109	75	263727	53.501	ug/l	97
37) Ethyl Acetate	7.291	43	137941	64.782	ug/l	95
38) Carbon Tetrachloride	8.097	117	276267	56.855	ug/l	99
39) Methylcyclohexane	9.350	83	230114	38.812	ug/l	96
40) Benzene	8.350	78	751150	56.100	ug/l	98

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41) Methacrylonitrile	7.520	41	85243	73.700	ug/l #	78
42) 1,2-Dichloroethane	8.420	62	257930	63.108	ug/l	95
43) Isopropyl Acetate	8.450	43	277359	58.237	ug/l #	88
44) Trichloroethene	9.109	130	198732	55.667	ug/l	97
45) 1,2-Dichloropropane	9.385	63	213213	60.551	ug/l	99
46) Dibromomethane	9.473	93	117688	64.421	ug/l	94
47) Bromodichloromethane	9.656	83	310290	64.224	ug/l	99
48) Methyl methacrylate	9.450	41	137871	66.149	ug/l #	78
49) 1,4-Dioxane	9.456	88	24668	1398.818	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	727841	296.617	ug/l	91
52) Toluene	10.397	92	479537	56.446	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	283797	63.889	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	322481	61.118	ug/l #	78
55) 1,1,2-Trichloroethane	10.791	97	160719	67.062	ug/l	93
56) Ethyl methacrylate	10.656	69	217357	61.447	ug/l #	74
57) 1,3-Dichloropropane	10.938	76	280872	66.714	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	524187	321.424	ug/l	99
59) 2-Hexanone	10.979	43	537487	290.573	ug/l	88
60) Dibromochloromethane	11.138	129	200698	67.380	ug/l	100
61) 1,2-Dibromoethane	11.238	107	153199	66.559	ug/l	99
64) Tetrachloroethene	10.873	164	162279	51.979	ug/l	96
65) Chlorobenzene	11.661	112	520330	57.025	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	206818	62.078	ug/l	98
67) Ethyl Benzene	11.738	91	952104	55.428	ug/l	98
68) m/p-Xylenes	11.850	106	696488	107.400	ug/l	93
69) o-Xylene	12.173	106	349891	57.406	ug/l	94
70) Styrene	12.185	104	600672	58.474	ug/l	96
71) Bromoform	12.350	173	111872	64.817	ug/l #	98
73) Isopropylbenzene	12.473	105	880863	51.513	ug/l	99
74) N-amyl acetate	12.279	43	281615	58.995	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.720	83	193683	68.780	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	128029m	56.902	ug/l	
77) Bromobenzene	12.750	156	206995	55.887	ug/l	94
78) n-propylbenzene	12.808	91	1029532	48.346	ug/l	100
79) 2-Chlorotoluene	12.897	91	632792	52.945	ug/l	98
80) 1,3,5-Trimethylbenzene	12.950	105	698556	49.541	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	48782	50.628	ug/l #	71
82) 4-Chlorotoluene	12.997	91	651186	52.481	ug/l	99
83) tert-Butylbenzene	13.214	119	587489	48.514	ug/l	95
84) 1,2,4-Trimethylbenzene	13.261	105	696762	50.612	ug/l	96
85) sec-Butylbenzene	13.391	105	794226	42.941	ug/l	98
86) p-Isopropyltoluene	13.502	119	662274	43.779	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	391135	53.050	ug/l	94
88) 1,4-Dichlorobenzene	13.585	146	386079	52.854	ug/l	95
89) n-Butylbenzene	13.832	91	578239	39.157	ug/l	99
90) Hexachloroethane	14.097	117	137893	48.085	ug/l	86
91) 1,2-Dichlorobenzene	13.879	146	351926	56.129	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.491	75	30385	66.259	ug/l	98
93) 1,2,4-Trichlorobenzene	15.144	180	181570	46.425	ug/l #	56
94) Hexachlorobutadiene	15.249	225	45176	20.415	ug/l	99
95) Naphthalene	15.385	128	460889	66.849	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	172070	51.800	ug/l #	73

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

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