

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122521\
 Data File : VD071474.D
 Acq On : 25 Dec 2021 22:47
 Operator : VA/SY
 Sample : M5181-02MS
 Misc : 6.93G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DB-4-(7.5-8)-12-8-21MS

Quant Time: Dec 27 04:11:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/27/2021
 Supervised By : Mahesh Dadoda 01/02/2022

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	274209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	484933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	468396	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.549	152	933349m	50.000	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.326	65	227458	62.459	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.920%	
35) Dibromofluoromethane	7.908	113	189315	58.088	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.180%	
50) Toluene-d8	10.332	98	646839	52.519	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.040%	
62) 4-Bromofluorobenzene	12.620	95	1493823	341.321	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 682.640%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.991	85	134094	46.669	ug/l	99
3) Chloromethane	2.209	50	194359	52.827	ug/l	97
4) Vinyl Chloride	2.350	62	193634	43.918	ug/l	98
5) Bromomethane	2.773	94	149669	48.525	ug/l	97
6) Chloroethane	2.926	64	140445	47.999	ug/l	93
7) Trichlorofluoromethane	3.279	101	269207	49.877	ug/l	94
8) Diethyl Ether	3.709	74	99376	64.313	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.091	101	135628	43.192	ug/l	96
10) Methyl Iodide	4.303	142	168416	55.151	ug/l	95
11) Tert butyl alcohol	5.220	59	54195	184.416	ug/l	99
12) 1,1-Dichloroethene	4.073	96	139662	48.887	ug/l	83
13) Acrolein	3.914	56	24565	139.637	ug/l	87
14) Allyl chloride	4.714	41	304425	56.339	ug/l #	79
15) Acrylonitrile	5.420	53	240172	315.618	ug/l	95
16) Acetone	4.156	43	245484	268.369	ug/l	88
17) Carbon Disulfide	4.409	76	379920	40.816	ug/l	99
18) Methyl Acetate	4.714	43	188763	66.858	ug/l	94
19) Methyl tert-butyl Ether	5.473	73	478132	64.834	ug/l	99
20) Methylene Chloride	4.967	84	211471	62.744	ug/l #	84
21) trans-1,2-Dichloroethene	5.473	96	173053	52.299	ug/l	90
22) Diisopropyl ether	6.361	45	694662	63.150	ug/l	96
23) Vinyl Acetate	6.303	43	1393745m	245.780	ug/l	
24) 1,1-Dichloroethane	6.261	63	363074	57.574	ug/l	97
25) 2-Butanone	7.208	43	319593	292.507	ug/l	90
26) 2,2-Dichloropropane	7.208	77	263973	50.945	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	206446	56.408	ug/l	91
28) Bromochloromethane	7.544	49	148488	57.460	ug/l	87
29) Tetrahydrofuran	7.561	42	202281	308.351	ug/l	92
30) Chloroform	7.708	83	368783	57.957	ug/l	99
31) Cyclohexane	7.985	56	194208	31.393	ug/l	97
32) 1,1,1-Trichloroethane	7.902	97	297235	52.671	ug/l	94
36) 1,1-Dichloropropene	8.108	75	238546	45.813	ug/l	97
37) Ethyl Acetate	7.291	43	137647	57.261	ug/l #	93
38) Carbon Tetrachloride	8.091	117	237185	46.171	ug/l	97
39) Methylcyclohexane	9.349	83	253181	41.538	ug/l #	84
40) Benzene	8.344	78	700616	50.052	ug/l	98

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41) Methacrylonitrile	7.520	41	84152	58.937	ug/l #	81
42) 1,2-Dichloroethane	8.420	62	276067	60.482	ug/l	93
43) Isopropyl Acetate	8.449	43	319179	66.907	ug/l #	84
44) Trichloroethene	9.108	130	178200	48.853	ug/l	98
45) 1,2-Dichloropropane	9.385	63	199687	54.977	ug/l	96
46) Dibromomethane	9.473	93	115250	57.433	ug/l	93
47) Bromodichloromethane	9.655	83	312643	61.366	ug/l	94
48) Methyl methacrylate	9.449	41	120149	50.896	ug/l #	78
49) 1,4-Dioxane	9.449	88	24245	1069.181	ug/l #	76
51) 4-Methyl-2-Pentanone	10.220	43	767780	305.912	ug/l	89
52) Toluene	10.396	92	429164	48.265	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	258797	54.398	ug/l	94
54) cis-1,3-Dichloropropene	10.085	75	302949	55.106	ug/l #	46
55) 1,1,2-Trichloroethane	10.773	97	621534	244.015	ug/l #	37
56) Ethyl methacrylate	10.638	69	893810	266.663	ug/l #	38
57) 1,3-Dichloropropane	10.938	76	275591	59.069	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.938	63	486809	303.197	ug/l	98
59) 2-Hexanone	10.949	43	5451728	3073.022	ug/l #	22
60) Dibromochloromethane	11.132	129	180814	56.471	ug/l	88
61) 1,2-Dibromoethane	11.238	107	150311	59.580	ug/l	94
64) Tetrachloroethene	10.873	164	132724	40.776	ug/l	96
65) Chlorobenzene	11.661	112	474990	49.438	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	181732	51.776	ug/l	98
67) Ethyl Benzene	11.738	91	754865	42.217	ug/l	98
68) m/p-Xylenes	11.843	106	532687	78.414	ug/l	86
69) o-Xylene	12.173	106	297040	47.836	ug/l	60
70) Styrene	12.185	104	503753	46.699	ug/l #	81
71) Bromoform	12.349	173	108616	57.186	ug/l #	100
73) Isopropylbenzene	12.473	105	554698	7.709	ug/l	97
74) N-amyl acetate	12.267	43	14419756	746.921	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.702	83	1745207	134.149	ug/l #	45
76) 1,2,3-Trichloropropane	12.773	75	165218m	14.898	ug/l	
77) Bromobenzene	12.749	156	224682	14.032	ug/l #	1
78) n-propylbenzene	12.808	91	713726	7.913	ug/l	86
79) 2-Chlorotoluene	12.896	91	959819	19.042	ug/l	80
80) 1,3,5-Trimethylbenzene	12.955	105	531678	8.958	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.520	75	28323	7.216	ug/l #	1
82) 4-Chlorotoluene	12.996	91	691321m	13.222	ug/l	
83) tert-Butylbenzene	13.214	119	782936	15.438	ug/l #	70
84) 1,2,4-Trimethylbenzene	13.261	105	462771	7.878	ug/l	93
85) sec-Butylbenzene	13.390	105	1260519	16.303	ug/l #	77
86) p-Isopropyltoluene	13.508	119	414503	6.461	ug/l #	72
87) 1,3-Dichlorobenzene	13.508	146	307428	9.534	ug/l #	1
88) 1,4-Dichlorobenzene	13.585	146	305990	9.677	ug/l #	1
89) n-Butylbenzene	13.837	91	344948	5.478	ug/l	84
90) Hexachloroethane	14.108	117	375938	30.934	ug/l #	28
91) 1,2-Dichlorobenzene	13.879	146	281877	10.300	ug/l #	74
92) 1,2-Dibromo-3-Chloropr...	14.508	75	52263	23.165	ug/l #	52
93) 1,2,4-Trichlorobenzene	15.149	180	52599	3.154	ug/l #	1
95) Naphthalene	15.390	128	53658	1.690	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.602	180	34791	2.412	ug/l #	13

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

