

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078003.D
 Acq On : 20 Dec 2023 18:37
 Operator : RP/MD
 Sample : 05796-06MSD
 Misc : 5.09G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-SB-04-13-14MSD

Quant Time: Dec 21 05:27:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/21/2023
 Supervised By :Semsettin Yesilyurt 12/21/2023

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

Internal Standards						
1) Pentafluorobenzene	7.893	168	774	50.000	ug/l	# 0.02
34) 1,4-Difluorobenzene	8.775	114	1979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	1937	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	1062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	1301	142.646	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 285.300%#			
35) Dibromofluoromethane	7.799	113	1120	80.795	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 161.600%#			
50) Toluene-d8	10.269	98	2414	43.480	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 86.960%			
62) 4-Bromofluorobenzene	12.575	95	785	47.292	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.580%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	289	29.891	ug/l	# 43
3) Chloromethane	2.146	50	1400	106.231	ug/l	94
4) Vinyl Chloride	2.281	62	1254	70.091	ug/l	95
5) Bromomethane	2.699	94	259	25.799	ug/l	88
6) Chloroethane	2.846	64	885	72.556	ug/l	# 43
7) Trichlorofluoromethane	3.181	101	512	31.072	ug/l	99
8) Diethyl Ether	3.558	74	67	14.480	ug/l	69
9) 1,1,2-Trichlorotrifluo...	3.969	101	141	14.958	ug/l	# 77
10) Methyl Iodide	4.163	142	320	40.252	ug/l	# 76
11) Tert butyl alcohol	5.028	59	597	1411.648	ug/l	# 73
12) 1,1-Dichloroethene	3.946	96	388	41.704	ug/l	# 59
13) Acrolein	3.787	56	637	660.255	ug/l	# 30
14) Allyl chloride	4.587	41	585	45.718	ug/l	# 27
15) Acrylonitrile	5.252	53	3094	1561.798	ug/l	# 30
16) Acetone	4.011	43	3332	1898.482	ug/l	# 53
17) Carbon Disulfide	4.281	76	1681	53.406	ug/l	# 76
18) Methyl Acetate	4.563	43	1868	260.063	ug/l	91
19) Methyl tert-butyl Ether	5.310	73	729	36.931	ug/l	# 64
20) Methylene Chloride	4.793	84	1432	141.436	ug/l	# 88
21) trans-1,2-Dichloroethene	5.305	96	868	82.369	ug/l	# 4
22) Diisopropyl ether	6.205	45	1971	73.710	ug/l	# 56
23) Vinyl Acetate	6.152	43	6570m	503.136	ug/l	
24) 1,1-Dichloroethane	6.116	63	1424	78.638	ug/l	# 78
25) 2-Butanone	7.081	43	3028	1268.995	ug/l	97
26) 2,2-Dichloropropane	7.075	77	729	47.949	ug/l	# 49
27) cis-1,2-Dichloroethene	7.093	96	1046	92.247	ug/l	# 12
28) Bromochloromethane	7.410	49	1094	149.511	ug/l	# 40
29) Tetrahydrofuran	7.463	42	1130	778.049	ug/l	# 52
30) Chloroform	7.599	83	1745	96.286	ug/l	88
31) Cyclohexane	7.857	56	65	4.007	ug/l	# 8
32) 1,1,1-Trichloroethane	7.799	97	808	50.574	ug/l	92
36) 1,1-Dichloropropene	8.010	75	692	31.209	ug/l	# 60
37) Ethyl Acetate	7.152	43	235	27.181	ug/l	# 71
38) Carbon Tetrachloride	7.993	117	458	20.719	ug/l	# 75
39) Methylcyclohexane	9.263	83	76	2.891	ug/l	# 24
40) Benzene	8.240	78	3303	52.485	ug/l	# 78

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	765	174.086	ug/l #	20
42) 1,2-Dichloroethane	8.328	62	1619	99.246	ug/l	98
43) Isopropyl Acetate	8.363	43	1899	123.559	ug/l #	51
44) Trichloroethene	9.022	130	645	39.329	ug/l	73
45) 1,2-Dichloropropane	9.310	63	1153	75.366	ug/l #	83
46) Dibromomethane	9.393	93	1096	135.396	ug/l #	70
47) Bromodichloromethane	9.593	83	1512	73.693	ug/l #	88
48) Methyl methacrylate	9.369	41	1191	136.323	ug/l #	8
49) 1,4-Dioxane	9.387	88	115	1430.729	ug/l #	33
51) 4-Methyl-2-Pentanone	10.157	43	5508	702.209	ug/l	97
52) Toluene	10.340	92	1488	38.117	ug/l	97
53) t-1,3-Dichloropropene	10.551	75	1042	52.886	ug/l #	64
54) cis-1,3-Dichloropropene	10.010	75	1654	69.433	ug/l	93
55) 1,1,2-Trichloroethane	10.728	97	1094	98.804	ug/l #	87
56) Ethyl methacrylate	10.604	69	1098	112.493	ug/l #	69
57) 1,3-Dichloropropane	10.881	76	1721	90.172	ug/l #	86
58) 2-Chloroethyl Vinyl ether	9.798	63	64	11.498	ug/l #	43
59) 2-Hexanone	10.922	43	4052	622.657	ug/l	73
60) Dibromochloromethane	11.069	129	1195	89.641	ug/l	92
61) 1,2-Dibromoethane	11.181	107	1038	99.589	ug/l	93
64) Tetrachloroethene	10.810	164	381	26.762	ug/l #	64
65) Chlorobenzene	11.598	112	1809	39.217	ug/l #	81
66) 1,1,1,2-Tetrachloroethane	11.687	131	870	54.012	ug/l #	67
67) Ethyl Benzene	11.687	91	1742	21.601	ug/l #	79
68) m/p-Xylenes	11.792	106	1513	49.049	ug/l #	69
69) o-Xylene	12.122	106	858	30.181	ug/l	63
70) Styrene	12.128	104	1384	32.740	ug/l #	55
71) Bromoform	12.298	173	462	54.894	ug/l #	73
73) Isopropylbenzene	12.428	105	1111	13.803	ug/l	80
74) N-amyl acetate	12.234	43	1255	79.320	ug/l #	81
75) 1,1,2,2-Tetrachloroethane	12.681	83	1614	115.003	ug/l #	89
76) 1,2,3-Trichloropropane	12.716	75	1453	157.532	ug/l #	100
77) Bromobenzene	12.698	156	593	31.322	ug/l	94
78) n-propylbenzene	12.763	91	1357	13.836	ug/l	87
79) 2-Chlorotoluene	12.845	91	999	19.006	ug/l	69
80) 1,3,5-Trimethylbenzene	12.910	105	741	11.038	ug/l	78
81) trans-1,4-Dichloro-2-b...	12.475	75	60	13.180	ug/l #	1
82) 4-Chlorotoluene	12.951	91	1181	21.492	ug/l	82
83) tert-Butylbenzene	13.169	119	620	10.940	ug/l	87
84) 1,2,4-Trimethylbenzene	13.210	105	971	14.461	ug/l #	48
85) sec-Butylbenzene	13.345	105	465	5.551	ug/l #	54
86) p-Isopropyltoluene	13.457	119	413	5.506	ug/l #	66
87) 1,3-Dichlorobenzene	13.539	146	736	19.010	ug/l	77
88) 1,4-Dichlorobenzene	13.539	146	736	18.019	ug/l	78
89) n-Butylbenzene	13.786	91	335	4.747	ug/l	86
90) Hexachloroethane	14.057	117	62	4.495	ug/l #	11
91) 1,2-Dichlorobenzene	13.822	146	669	20.317	ug/l	83
92) 1,2-Dibromo-3-Chloropr...	14.510	75	75	36.629	ug/l #	1
95) Naphthalene	15.333	128	739	19.776	ug/l #	69

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

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