

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078035.D
 Acq On : 21 Dec 2023 19:22
 Operator : RP/MD
 Sample : 05796-05MS
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Dec 22 05:31:29 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 12/22/2023
 Supervised By :Semsettin Yesilyurt 12/22/2023

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	104521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	186809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	177938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	101332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	79267	64.359	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.720%			
35) Dibromofluoromethane	7.804	113	82459	63.016	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 126.040%			
50) Toluene-d8	10.269	98	316220	60.338	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 120.680%			
62) 4-Bromofluorobenzene	12.575	95	103753	66.216	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 132.440%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	58062	44.470	ug/l	100
3) Chloromethane	2.152	50	98358	55.267	ug/l	100
4) Vinyl Chloride	2.287	62	140756	58.260	ug/l	98
5) Bromomethane	2.699	94	111651	82.358	ug/l	95
6) Chloroethane	2.840	64	109684	66.590	ug/l	95
7) Trichlorofluoromethane	3.181	101	118594	53.297	ug/l	96
8) Diethyl Ether	3.599	74	39426	63.100	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.969	101	72992	57.340	ug/l	96
10) Methyl Iodide	4.163	142	82895	71.024	ug/l	91
11) Tert butyl alcohol	5.052	59	17335	294.272	ug/l #	93
12) 1,1-Dichloroethene	3.946	96	70835	56.380	ug/l	87
13) Acrolein	3.793	56	27867	213.895	ug/l	98
14) Allyl chloride	4.563	41	96628	55.921	ug/l	89
15) Acrylonitrile	5.252	53	88623	331.275	ug/l	99
16) Acetone	4.016	43	78349	300.754	ug/l	89
17) Carbon Disulfide	4.275	76	202655	47.677	ug/l	100
18) Methyl Acetate	4.563	43	74476	76.781	ug/l	93
19) Methyl tert-butyl Ether	5.322	73	182962	68.638	ug/l	98
20) Methylene Chloride	4.805	84	97098	68.347	ug/l #	83
21) trans-1,2-Dichloroethene	5.316	96	88481	62.177	ug/l	95
22) Diisopropyl ether	6.216	45	231664	64.156	ug/l	95
23) Vinyl Acetate	6.157	43	530866	301.052	ug/l	94
24) 1,1-Dichloroethane	6.116	63	158327	64.747	ug/l	94
25) 2-Butanone	7.081	43	108287	324.314	ug/l	88
26) 2,2-Dichloropropane	7.081	77	125981	61.361	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	104642	68.338	ug/l	92
28) Bromochloromethane	7.428	49	59602	60.319	ug/l	81
29) Tetrahydrofuran	7.446	42	61338	312.749	ug/l	92
30) Chloroform	7.599	83	171066	69.898	ug/l	94
31) Cyclohexane	7.881	56	111172	50.748	ug/l	91
32) 1,1,1-Trichloroethane	7.793	97	137325	63.651	ug/l	98
36) 1,1-Dichloropropene	8.010	75	119583	57.133	ug/l	96
37) Ethyl Acetate	7.169	43	44646	54.704	ug/l	94
38) Carbon Tetrachloride	7.993	117	117608	56.362	ug/l	97
39) Methylcyclohexane	9.275	83	132029	53.209	ug/l	93
40) Benzene	8.251	78	362199	60.970	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	29746	71.710	ug/l	88
42) 1,2-Dichloroethane	8.322	62	99797	64.808	ug/l	95
43) Isopropyl Acetate	8.357	43	87485	60.302	ug/l	95
44) Trichloroethene	9.034	130	94687	61.163	ug/l	93
45) 1,2-Dichloropropane	9.304	63	93305	64.609	ug/l	98
46) Dibromomethane	9.393	93	52060	68.132	ug/l	94
47) Bromodichloromethane	9.587	83	131819	68.061	ug/l #	97
48) Methyl methacrylate	9.381	41	48508	58.819	ug/l	86
49) 1,4-Dioxane	9.381	88	8844	1165.618	ug/l #	81
51) 4-Methyl-2-Pentanone	10.157	43	236716	319.704	ug/l	93
52) Toluene	10.334	92	235958	64.032	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	125149	67.289	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	146520	65.159	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	72744	69.599	ug/l	94
56) Ethyl methacrylate	10.598	69	62106	67.407	ug/l #	89
57) 1,3-Dichloropropane	10.881	76	123143	68.352	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	140437	267.280	ug/l	95
59) 2-Hexanone	10.922	43	171094	278.524	ug/l	91
60) Dibromochloromethane	11.075	129	88939	70.677	ug/l	96
61) 1,2-Dibromoethane	11.181	107	69901	71.047	ug/l	98
64) Tetrachloroethene	10.810	164	75230	57.523	ug/l	92
65) Chlorobenzene	11.610	112	255209	61.261	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	98737	66.729	ug/l	96
67) Ethyl Benzene	11.687	91	467925	63.164	ug/l	97
68) m/p-Xylenes	11.792	106	362962	128.090	ug/l	92
69) o-Xylene	12.122	106	166821	63.879	ug/l	89
70) Styrene	12.134	104	263409	67.832	ug/l	95
71) Bromoform	12.298	173	55434	71.700	ug/l #	96
73) Isopropylbenzene	12.422	105	448975	58.460	ug/l	95
74) N-amyl acetate	12.234	43	76503	50.675	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	87181	65.103	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	57033m	64.805	ug/l	
77) Bromobenzene	12.698	156	107266	59.379	ug/l	92
78) n-propylbenzene	12.763	91	544841	58.219	ug/l	96
79) 2-Chlorotoluene	12.851	91	297241	59.267	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	379617	59.265	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	26990	62.135	ug/l	98
82) 4-Chlorotoluene	12.945	91	313563	59.805	ug/l	98
83) tert-Butylbenzene	13.169	119	329664	60.962	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	390994	61.029	ug/l	96
85) sec-Butylbenzene	13.345	105	476314	59.588	ug/l	95
86) p-Isopropyltoluene	13.463	119	435933	60.913	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	226126	61.212	ug/l	98
88) 1,4-Dichlorobenzene	13.539	146	219586	59.869	ug/l	97
89) n-Butylbenzene	13.787	91	399859	59.378	ug/l	98
90) Hexachloroethane	14.051	117	85989	65.333	ug/l	94
91) 1,2-Dichlorobenzene	13.834	146	195766	62.310	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	11714	60.595	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	120378	56.093	ug/l	96
94) Hexachlorobutadiene	15.204	225	62099	53.662	ug/l	97
95) Naphthalene	15.333	128	225990	63.380	ug/l	98
96) 1,2,3-Trichlorobenzene	15.522	180	106281	60.072	ug/l	99

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

