

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051921\
 Data File : VX022091.D
 Acq On : 19 May 2021 16:36
 Operator : JC/MD
 Sample : M2262-07 .75PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-SOIL-01-QT2-202

Manual Integrations
 APPROVED

MMDadoda
 5/21/2021 1:50:13 PM

Quant Time: May 20 04:43:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 20 04:41:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	88582	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	170317	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	150244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63857	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	64777	47.41	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.82%		
35) Dibromofluoromethane	5.397	113	50005	46.30	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.60%		
50) Toluene-d8	8.653	98	190782	45.85	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.70%#		
62) 4-Bromofluorobenzene	11.085	95	69149	44.97	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.94%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	743	0.69	ug/l	96
3) Chloromethane	1.294	50	984	0.85	ug/l #	87
4) Vinyl Chloride	1.374	62	925	0.75	ug/l	93
5) Bromomethane	1.611	94	829	1.16	ug/l	99
6) Chloroethane	1.691	64	510	0.70	ug/l #	69
7) Trichlorofluoromethane	1.886	101	1117	0.63	ug/l	93
8) Diethyl Ether	2.142	74	503	0.66	ug/l #	21
9) 1,1,2-Trichlorotrifluo...	2.337	101	694	0.66	ug/l	95
10) Methyl Iodide	2.453	142	800	0.71	ug/l #	92
11) Tert butyl alcohol	2.989	59	1751m	5.60	ug/l	
12) 1,1-Dichloroethene	2.319	96	662	0.65	ug/l #	86
13) Acrolein	2.245	56	955	4.61	ug/l #	81
14) Allyl chloride	2.666	41	1387	0.74	ug/l #	87
15) Acrylonitrile	3.075	53	2061	3.35	ug/l	99
16) Acetone	2.392	43	2514	4.23	ug/l #	83
17) Carbon Disulfide	2.514	76	2133	0.80	ug/l #	94
18) Methyl Acetate	2.715	43	1255	0.79	ug/l #	73
19) Methyl tert-butyl Ether	3.123	73	2120	0.61	ug/l #	86
20) Methylene Chloride	2.788	84	1401	1.06	ug/l #	84
21) trans-1,2-Dichloroethene	3.099	96	843	0.76	ug/l	89
22) Diisopropyl ether	3.776	45	2211	0.62	ug/l #	87
23) Vinyl Acetate	3.727	43	10806	3.12	ug/l	99
24) 1,1-Dichloroethane	3.623	63	1392	0.66	ug/l #	90
25) 2-Butanone	4.574	43	3276	3.40	ug/l #	83
26) 2,2-Dichloropropane	4.489	77	1183	0.63	ug/l	85
27) cis-1,2-Dichloroethene	4.495	96	862	0.64	ug/l	98
28) Bromochloromethane	4.904	49	716	0.70	ug/l #	76
29) Tetrahydrofuran	5.025	42	1876	3.27	ug/l #	57
30) Chloroform	5.117	83	1399m	0.64	ug/l	
31) Cyclohexane	5.477	56	1102	0.64	ug/l #	51
32) 1,1,1-Trichloroethane	5.385	97	1248	0.67	ug/l #	43
36) 1,1-Dichloropropene	5.708	75	1082	0.69	ug/l #	46
37) Ethyl Acetate	4.727	43	1294	0.67	ug/l #	70
38) Carbon Tetrachloride	5.684	117	990	0.64	ug/l	96
39) Methylcyclohexane	7.391	83	1441	0.81	ug/l #	81
40) Benzene	6.050	78	3377	0.70	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	836	0.81	ug/l #	68
42) 1,2-Dichloroethane	6.092	62	1228	0.72	ug/l	83
43) Isopropyl Acetate	6.348	43	2223	0.70	ug/l #	87
44) Trichloroethene	7.135	130	745	0.62	ug/l	80
45) 1,2-Dichloropropane	7.440	63	807	0.65	ug/l #	84
46) Dibromomethane	7.586	93	589	0.70	ug/l	91
47) Bromodichloromethane	7.830	83	1072	0.64	ug/l #	83
48) Methyl methacrylate	7.696	41	1004	0.69	ug/l	91
49) 1,4-Dioxane	7.696	88	312	11.01	ug/l #	42
51) 4-Methyl-2-Pentanone	8.580	43	5976	3.16	ug/l	93
52) Toluene	8.726	92	1980	0.65	ug/l	99
53) t-1,3-Dichloropropene	8.988	75	1006	0.52	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	1111	0.53	ug/l #	77
55) 1,1,2-Trichloroethane	9.165	97	789	0.63	ug/l #	82
56) Ethyl methacrylate	9.122	69	1281	0.64	ug/l #	80
57) 1,3-Dichloropropane	9.311	76	1322	0.62	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.250	63	2930	2.69	ug/l	98
59) 2-Hexanone	9.439	43	4430	3.11	ug/l	96
60) Dibromochloromethane	9.525	129	665	0.55	ug/l	96
61) 1,2-Dibromoethane	9.610	107	784	0.63	ug/l	100
64) Tetrachloroethene	9.275	164	735	0.75	ug/l #	84
65) Chlorobenzene	10.086	112	2135	0.68	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	10.165	131	721	0.66	ug/l #	65
67) Ethyl Benzene	10.195	91	3828	0.67	ug/l	97
68) m/p-Xylenes	10.305	106	2537	1.17	ug/l	90
69) o-Xylene	10.646	106	1561	0.74	ug/l	83
70) Styrene	10.665	104	2205	0.64	ug/l	91
71) Bromoform	10.805	173	348	0.46	ug/l #	71
73) Isopropylbenzene	10.963	105	3430	0.63	ug/l	92
74) N-amyl acetate	10.848	43	1592	0.62	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	1281	0.72	ug/l #	94
76) 1,2,3-Trichloropropane	11.244	75	1216m	0.77	ug/l	
77) Bromobenzene	11.201	156	813	0.71	ug/l	84
78) n-propylbenzene	11.305	91	4147	0.66	ug/l	90
79) 2-Chlorotoluene	11.372	91	2487	0.65	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	2937	0.66	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	340m	0.51	ug/l	
82) 4-Chlorotoluene	11.457	91	2862	0.65	ug/l	92
83) tert-Butylbenzene	11.719	119	2641	0.61	ug/l	92
84) 1,2,4-Trimethylbenzene	11.756	105	2845	0.63	ug/l	96
85) sec-Butylbenzene	11.890	105	3159	0.58	ug/l	99
86) p-Isopropyltoluene	12.018	119	2762	0.60	ug/l #	88
87) 1,3-Dichlorobenzene	11.975	146	1489	0.67	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	1615m	0.71	ug/l	
89) n-Butylbenzene	12.335	91	2613	0.61	ug/l	96
90) Hexachloroethane	12.542	117	312	0.41	ug/l	65
91) 1,2-Dichlorobenzene	12.341	146	1512	0.71	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.945	75	270	0.70	ug/l #	61
93) 1,2,4-Trichlorobenzene	13.591	180	889	0.69	ug/l	98
94) Hexachlorobutadiene	13.725	225	352	0.70	ug/l	85
95) Naphthalene	13.780	128	2892	0.58	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	806	0.62	ug/l	93

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

