

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051921\
 Data File : VX022090.D
 Acq On : 19 May 2021 16:13
 Operator : JC/MD
 Sample : M2262-07 .5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/21/2021 1:50:11 PM

Quant Time: May 20 04:42:37 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	5.556	168	89752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	171195	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	150186	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61915	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	63580	45.92	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.84%		
35) Dibromofluoromethane	5.391	113	49901	45.96	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.92%		
50) Toluene-d8	8.653	98	191202	45.72	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.44%#		
62) 4-Bromofluorobenzene	11.085	95	69899	45.22	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.44%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	473	0.43	ug/l	98
3) Chloromethane	1.288	50	646	0.55	ug/l	92
4) Vinyl Chloride	1.374	62	625	0.50	ug/l #	84
5) Bromomethane	1.611	94	608	0.84	ug/l #	66
6) Chloroethane	1.691	64	408	0.55	ug/l	100
7) Trichlorofluoromethane	1.892	101	791	0.44	ug/l #	74
8) Diethyl Ether	2.136	74	389	0.51	ug/l #	10
9) 1,1,2-Trichlorotrifluo...	2.337	101	423	0.40	ug/l #	83
10) Methyl Iodide	2.453	142	744	0.65	ug/l #	97
11) Tert butyl alcohol	2.953	59	1371m	4.33	ug/l	
12) 1,1-Dichloroethene	2.312	96	510	0.50	ug/l #	70
13) Acrolein	2.239	56	673	3.20	ug/l #	71
14) Allyl chloride	2.660	41	959	0.51	ug/l #	85
15) Acrylonitrile	3.068	53	1425	2.29	ug/l	96
16) Acetone	2.386	43	1910	3.17	ug/l #	79
17) Carbon Disulfide	2.514	76	1583	0.59	ug/l #	85
18) Methyl Acetate	2.709	43	824	0.51	ug/l #	82
19) Methyl tert-butyl Ether	3.117	73	1479	0.42	ug/l #	87
20) Methylene Chloride	2.794	84	1099	0.82	ug/l #	82
21) trans-1,2-Dichloroethene	3.105	96	532	0.48	ug/l #	89
22) Diisopropyl ether	3.769	45	1554	0.43	ug/l #	74
23) Vinyl Acetate	3.727	43	7009	2.00	ug/l	97
24) 1,1-Dichloroethane	3.611	63	848	0.40	ug/l #	81
25) 2-Butanone	4.580	43	2266	2.32	ug/l #	79
26) 2,2-Dichloropropane	4.489	77	752	0.40	ug/l	78
27) cis-1,2-Dichloroethene	4.489	96	531	0.39	ug/l	89
28) Bromochloromethane	4.903	49	462m	0.45	ug/l	
29) Tetrahydrofuran	5.025	42	1502	2.59	ug/l	88
30) Chloroform	5.105	83	972	0.44	ug/l	99
31) Cyclohexane	5.476	56	755m	0.43	ug/l	
32) 1,1,1-Trichloroethane	5.397	97	772	0.41	ug/l #	45
36) 1,1-Dichloropropene	5.708	75	610	0.39	ug/l #	67
37) Ethyl Acetate	4.733	43	995	0.51	ug/l #	70
38) Carbon Tetrachloride	5.696	117	726	0.47	ug/l #	80
39) Methylcyclohexane	7.391	83	1012	0.56	ug/l #	62
40) Benzene	6.043	78	2118	0.43	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.964	41	621m	0.60	ug/l	
42) 1,2-Dichloroethane	6.086	62	924	0.54	ug/l	88
43) Isopropyl Acetate	6.354	43	1482	0.47	ug/l #	79
44) Trichloroethene	7.141	130	491	0.41	ug/l	87
45) 1,2-Dichloropropane	7.440	63	541	0.44	ug/l #	79
46) Dibromomethane	7.592	93	340	0.40	ug/l	92
47) Bromodichloromethane	7.818	83	709	0.42	ug/l #	68
48) Methyl methacrylate	7.702	41	706	0.48	ug/l #	78
49) 1,4-Dioxane	7.689	88	250	8.78	ug/l #	36
51) 4-Methyl-2-Pentanone	8.580	43	4022	2.12	ug/l	92
52) Toluene	8.726	92	1306	0.42	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	720	0.37	ug/l #	87
54) cis-1,3-Dichloropropene	8.372	75	813	0.39	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	620	0.50	ug/l #	68
56) Ethyl methacrylate	9.122	69	878	0.43	ug/l #	85
57) 1,3-Dichloropropane	9.317	76	818	0.38	ug/l #	86
58) 2-Chloroethyl Vinyl ether	8.250	63	2142	1.96	ug/l	92
59) 2-Hexanone	9.433	43	2948	2.06	ug/l	89
60) Dibromochloromethane	9.525	129	503	0.41	ug/l	95
61) 1,2-Dibromoethane	9.616	107	576	0.46	ug/l	96
64) Tetrachloroethene	9.281	164	551	0.56	ug/l #	67
65) Chlorobenzene	10.085	112	1419	0.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	539	0.50	ug/l #	44
67) Ethyl Benzene	10.195	91	2345	0.41	ug/l #	68
68) m/p-Xylenes	10.305	106	1814	0.83	ug/l	96
69) o-Xylene	10.646	106	913	0.43	ug/l	90
70) Styrene	10.658	104	1538	0.44	ug/l	96
71) Bromoform	10.799	173	239	0.32	ug/l #	29
73) Isopropylbenzene	10.963	105	2438	0.47	ug/l	100
74) N-amyl acetate	10.847	43	956	0.38	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.219	83	755	0.43	ug/l #	85
76) 1,2,3-Trichloropropane	11.244	75	719m	0.47	ug/l	
77) Bromobenzene	11.207	156	573	0.52	ug/l	83
78) n-propylbenzene	11.311	91	2806	0.46	ug/l	99
79) 2-Chlorotoluene	11.366	91	1930	0.52	ug/l	96
80) 1,3,5-Trimethylbenzene	11.457	105	2069	0.48	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.030	75	235m	0.36	ug/l	
82) 4-Chlorotoluene	11.463	91	1936	0.45	ug/l	94
83) tert-Butylbenzene	11.719	119	1740	0.42	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	1936	0.44	ug/l	98
85) sec-Butylbenzene	11.896	105	2363	0.45	ug/l	100
86) p-Isopropyltoluene	12.012	119	1830	0.41	ug/l #	76
87) 1,3-Dichlorobenzene	11.975	146	1152	0.54	ug/l	86
88) 1,4-Dichlorobenzene	12.042	146	1131m	0.51	ug/l	
89) n-Butylbenzene	12.335	91	1774	0.43	ug/l	91
90) Hexachloroethane	12.536	117	293	0.40	ug/l #	42
91) 1,2-Dichlorobenzene	12.341	146	973	0.47	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	12.945	75	84	0.23	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	651	0.52	ug/l	89
94) Hexachlorobutadiene	13.725	225	282	0.58	ug/l #	72
95) Naphthalene	13.780	128	2065	0.43	ug/l #	96
96) 1,2,3-Trichlorobenzene	13.969	180	432	0.35	ug/l	87

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

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