

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032521\
 Data File : VX021480.D
 Acq On : 25 Mar 2021 13:12
 Operator : JC/MD
 Sample : M1458-09 .75PPB MDL
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/26/2021 1:13:58 PM

Quant Time: Mar 26 04:15:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 26 04:13:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.635	168	69192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	120102	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	110449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	48978	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	61284	53.23	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.46%
35) Dibromofluoromethane	5.464	113	42361	49.65	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.30%
50) Toluene-d8	8.700	98	148070	48.71	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.42%
62) 4-Bromofluorobenzene	11.124	95	54596	46.19	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.38%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	514	0.68	ug/l	100
3) Chloromethane	1.317	50	2514	2.59	ug/l	89
4) Vinyl Chloride	1.393	62	602	0.77	ug/l	97
5) Bromomethane	1.622	94	500	1.60	ug/l	91
6) Chloroethane	1.705	64	328	0.66	ug/l	93
7) Trichlorofluoromethane	1.917	101	860	0.68	ug/l	89
8) Diethyl Ether	2.170	74	379	0.86	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	2.358	101	540	0.76	ug/l	98
10) Methyl Iodide	2.487	142	389	0.78	ug/l #	80
11) Tert butyl alcohol	3.023	59	800	4.20	ug/l #	73
12) 1,1-Dichloroethene	2.352	96	504	0.72	ug/l #	78
13) Acrolein	2.281	56	619	5.85	ug/l	86
14) Allyl chloride	2.705	41	989	0.70	ug/l #	84
15) Acrylonitrile	3.123	53	1565	3.46	ug/l	95
16) Acetone	2.423	43	1958	4.50	ug/l #	80
17) Carbon Disulfide	2.546	76	1371	0.70	ug/l	97
18) Methyl Acetate	2.752	43	885	0.70	ug/l	96
19) Methyl tert-butyl Ether	3.170	73	1754	0.67	ug/l #	87
20) Methylene Chloride	2.834	84	825	0.97	ug/l #	83
21) trans-1,2-Dichloroethene	3.140	96	618	0.81	ug/l	87
22) Diisopropyl ether	3.829	45	1858	0.68	ug/l #	90
23) Vinyl Acetate	3.787	43	7002	3.01	ug/l	100
24) 1,1-Dichloroethane	3.676	63	1150	0.78	ug/l #	81
25) 2-Butanone	4.646	43	2499	3.79	ug/l #	80
26) 2,2-Dichloropropane	4.535	77	793m	0.62	ug/l	
27) cis-1,2-Dichloroethene	4.564	96	619	0.70	ug/l	82
28) Bromochloromethane	4.976	49	554	0.75	ug/l #	48
29) Tetrahydrofuran	5.111	42	1539	3.60	ug/l #	74
30) Chloroform	5.176	83	1110	0.71	ug/l	87
31) Cyclohexane	5.552	56	938	0.74	ug/l	88
32) 1,1,1-Trichloroethane	5.476	97	1017	0.73	ug/l #	49
36) 1,1-Dichloropropene	5.776	75	801	0.68	ug/l #	82
37) Ethyl Acetate	4.811	43	1215m	0.89	ug/l	
38) Carbon Tetrachloride	5.752	117	798	0.63	ug/l #	94
39) Methylcyclohexane	7.441	83	763	0.58	ug/l #	91
40) Benzene	6.111	78	2208	0.66	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.017	41	632	0.80	ug/l #	61
42) 1,2-Dichloroethane	6.164	62	1000	0.69	ug/l #	73
43) Isopropyl Acetate	6.411	43	1538	0.70	ug/l #	86
44) Trichloroethene	7.182	130	685	0.78	ug/l	81
45) 1,2-Dichloropropane	7.500	63	645	0.71	ug/l #	87
46) Dibromomethane	7.647	93	475	0.72	ug/l #	76
47) Bromodichloromethane	7.876	83	805	0.60	ug/l #	78
48) Methyl methacrylate	7.753	41	791	0.67	ug/l #	78
49) 1,4-Dioxane	7.717	88	261	12.37	ug/l #	43
51) 4-Methyl-2-Pentanone	8.623	43	4315	3.18	ug/l #	85
52) Toluene	8.770	92	1301	0.63	ug/l	97
53) t-1,3-Dichloropropene	9.023	75	760	0.56	ug/l	95
54) cis-1,3-Dichloropropene	8.418	75	842	0.58	ug/l #	69
55) 1,1,2-Trichloroethane	9.194	97	601	0.69	ug/l #	91
56) Ethyl methacrylate	9.159	69	780	0.59	ug/l #	55
57) 1,3-Dichloropropane	9.353	76	1004	0.67	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.294	63	2037	2.77	ug/l	92
59) 2-Hexanone	9.476	43	3280	3.21	ug/l	84
60) Dibromochloromethane	9.565	129	599	0.61	ug/l	93
61) 1,2-Dibromoethane	9.653	107	568	0.61	ug/l	97
64) Tetrachloroethene	9.318	164	533	0.72	ug/l #	82
65) Chlorobenzene	10.124	112	1533	0.69	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.206	131	523	0.62	ug/l #	59
67) Ethyl Benzene	10.235	91	2345	0.58	ug/l	99
68) m/p-Xylenes	10.341	106	1789	1.24	ug/l	97
69) o-Xylene	10.682	106	808	0.58	ug/l	98
70) Styrene	10.694	104	1275	0.53	ug/l #	89
71) Bromoform	10.841	173	400	0.58	ug/l #	98
73) Isopropylbenzene	11.000	105	2093	0.61	ug/l	91
74) N-amyl acetate	10.883	43	1091	0.66	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.253	83	857	0.70	ug/l	96
76) 1,2,3-Trichloropropane	11.283	75	972m	0.85	ug/l	
77) Bromobenzene	11.236	156	561	0.66	ug/l	87
78) n-propylbenzene	11.347	91	2523	0.62	ug/l	97
79) 2-Chlorotoluene	11.400	91	1614	0.65	ug/l	98
80) 1,3,5-Trimethylbenzene	11.488	105	1827	0.62	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.059	75	184m	0.49	ug/l	
82) 4-Chlorotoluene	11.494	91	1838	0.63	ug/l	96
83) tert-Butylbenzene	11.753	119	1890	0.66	ug/l	93
84) 1,2,4-Trimethylbenzene	11.789	105	1727	0.58	ug/l	97
85) sec-Butylbenzene	11.930	105	1918	0.58	ug/l	95
86) p-Isopropyltoluene	12.047	119	1641	0.55	ug/l #	80
87) 1,3-Dichlorobenzene	12.006	146	1030	0.67	ug/l	97
88) 1,4-Dichlorobenzene	12.083	146	1068m	0.67	ug/l	
89) n-Butylbenzene	12.371	91	1525	0.55	ug/l	91
90) Hexachloroethane	12.583	117	273	0.50	ug/l	83
91) 1,2-Dichlorobenzene	12.377	146	1007	0.67	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.983	75	213	0.76	ug/l	70
93) 1,2,4-Trichlorobenzene	13.630	180	521	0.53	ug/l	99
94) Hexachlorobutadiene	13.765	225	288	0.65	ug/l	92
95) Naphthalene	13.818	128	1730	0.54	ug/l	97
96) 1,2,3-Trichlorobenzene	14.001	180	538	0.55	ug/l	91

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

