

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032521\
 Data File : VX021479.D
 Acq On : 25 Mar 2021 12:51
 Operator : JC/MD
 Sample : M1458-09 .5PPB MDL
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/26/2021 1:13:54 PM

Quant Time: Mar 26 04:14:38 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	72248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	118514	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	109515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	48179	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	60060	49.96	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.92%
35) Dibromofluoromethane	5.470	113	41955	49.84	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.68%
50) Toluene-d8	8.694	98	144777	48.26	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.52%
62) 4-Bromofluorobenzene	11.118	95	53147	45.57	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.14%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.181	85	403	0.51	ug/l	83
3) Chloromethane	1.317	50	2420	2.39	ug/l	94
4) Vinyl Chloride	1.393	62	417	0.51	ug/l	89
5) Bromomethane	1.623	94	365	1.12	ug/l	93
6) Chloroethane	1.711	64	331	0.64	ug/l	96
7) Trichlorofluoromethane	1.917	101	707	0.54	ug/l	99
8) Diethyl Ether	2.170	74	267	0.58	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	2.364	101	399	0.54	ug/l	91
10) Methyl Iodide	2.493	142	300	0.57	ug/l #	80
11) Tert butyl alcohol	3.029	59	570	2.87	ug/l #	73
12) 1,1-Dichloroethene	2.352	96	379	0.52	ug/l	87
13) Acrolein	2.276	56	543	4.91	ug/l	87
14) Allyl chloride	2.705	41	825	0.56	ug/l #	72
15) Acrylonitrile	3.123	53	1305	2.76	ug/l	99
16) Acetone	2.423	43	1494	3.29	ug/l #	88
17) Carbon Disulfide	2.546	76	1117	0.55	ug/l	97
18) Methyl Acetate	2.752	43	746	0.57	ug/l #	71
19) Methyl tert-butyl Ether	3.176	73	1425	0.52	ug/l #	83
20) Methylene Chloride	2.834	84	666	0.75	ug/l #	80
21) trans-1,2-Dichloroethene	3.146	96	409	0.51	ug/l	95
22) Diisopropyl ether	3.823	45	1374	0.48	ug/l #	65
23) Vinyl Acetate	3.788	43	5593	2.30	ug/l	97
24) 1,1-Dichloroethane	3.664	63	941	0.61	ug/l #	81
25) 2-Butanone	4.652	43	1938	2.81	ug/l #	82
26) 2,2-Dichloropropane	4.546	77	634	0.47	ug/l	82
27) cis-1,2-Dichloroethene	4.570	96	436	0.47	ug/l	64
28) Bromochloromethane	4.982	49	459	0.59	ug/l #	70
29) Tetrahydrofuran	5.105	42	1156	2.59	ug/l #	77
30) Chloroform	5.176	83	854	0.52	ug/l	96
31) Cyclohexane	5.558	56	682	0.52	ug/l #	77
32) 1,1,1-Trichloroethane	5.470	97	714m	0.49	ug/l	
36) 1,1-Dichloropropene	5.764	75	614	0.53	ug/l #	70
37) Ethyl Acetate	4.794	43	863	0.64	ug/l #	64
38) Carbon Tetrachloride	5.770	117	560	0.45	ug/l #	71
39) Methylcyclohexane	7.441	83	650	0.50	ug/l #	82
40) Benzene	6.105	78	1720	0.52	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.011	41	534	0.69	ug/l #	67
42) 1,2-Dichloroethane	6.164	62	905	0.63	ug/l #	73
43) Isopropyl Acetate	6.417	43	1193	0.55	ug/l #	77
44) Trichloroethene	7.200	130	516	0.59	ug/l	79
45) 1,2-Dichloropropane	7.494	63	484	0.54	ug/l	96
46) Dibromomethane	7.641	93	311	0.48	ug/l	90
47) Bromodichloromethane	7.876	83	687	0.52	ug/l #	96
48) Methyl methacrylate	7.753	41	709	0.61	ug/l #	70
49) 1,4-Dioxane	7.723	88	223	10.71	ug/l #	79
51) 4-Methyl-2-Pentanone	8.623	43	3143	2.34	ug/l	87
52) Toluene	8.771	92	999	0.49	ug/l	97
53) t-1,3-Dichloropropene	9.018	75	623	0.47	ug/l #	71
54) cis-1,3-Dichloropropene	8.418	75	672	0.47	ug/l #	80
55) 1,1,2-Trichloroethane	9.200	97	426	0.50	ug/l #	87
56) Ethyl methacrylate	9.159	69	598	0.46	ug/l #	49
57) 1,3-Dichloropropane	9.353	76	759	0.52	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.294	63	1492	2.05	ug/l	97
59) 2-Hexanone	9.477	43	2310	2.29	ug/l	84
60) Dibromochloromethane	9.565	129	471	0.49	ug/l	91
61) 1,2-Dibromoethane	9.653	107	422	0.46	ug/l	94
64) Tetrachloroethene	9.318	164	386	0.53	ug/l #	85
65) Chlorobenzene	10.124	112	1122	0.51	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.206	131	437	0.52	ug/l #	66
67) Ethyl Benzene	10.235	91	1924	0.48	ug/l	95
68) m/p-Xylenes	10.341	106	1336	0.94	ug/l	98
69) o-Xylene	10.677	106	676	0.49	ug/l	85
70) Styrene	10.694	104	1005	0.42	ug/l #	87
71) Bromoform	10.841	173	249	0.36	ug/l #	96
73) Isopropylbenzene	11.000	105	1686	0.50	ug/l	99
74) N-amyl acetate	10.877	43	871	0.53	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	11.253	83	640	0.54	ug/l	98
76) 1,2,3-Trichloropropane	11.277	75	711m	0.63	ug/l	
77) Bromobenzene	11.236	156	503	0.60	ug/l	98
78) n-propylbenzene	11.347	91	2011	0.50	ug/l	98
79) 2-Chlorotoluene	11.400	91	1301	0.54	ug/l	89
80) 1,3,5-Trimethylbenzene	11.489	105	1373	0.47	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.059	75	174m	0.47	ug/l	
82) 4-Chlorotoluene	11.494	91	1423	0.49	ug/l	98
83) tert-Butylbenzene	11.753	119	1480	0.53	ug/l	99
84) 1,2,4-Trimethylbenzene	11.789	105	1272	0.44	ug/l	92
85) sec-Butylbenzene	11.930	105	1448	0.45	ug/l	92
86) p-Isopropyltoluene	12.047	119	1410	0.48	ug/l #	82
87) 1,3-Dichlorobenzene	12.012	146	757	0.50	ug/l	92
88) 1,4-Dichlorobenzene	12.083	146	810m	0.52	ug/l	
89) n-Butylbenzene	12.371	91	1199	0.44	ug/l	97
90) Hexachloroethane	12.577	117	220	0.41	ug/l	74
91) 1,2-Dichlorobenzene	12.377	146	691	0.47	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	12.977	75	151	0.55	ug/l #	41
93) 1,2,4-Trichlorobenzene	13.624	180	437	0.45	ug/l	99
94) Hexachlorobutadiene	13.765	225	240	0.55	ug/l #	61
95) Naphthalene	13.812	128	1252	0.40	ug/l	97
96) 1,2,3-Trichlorobenzene	14.001	180	419	0.44	ug/l	94

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

