

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
 Data File : VN066376.D
 Acq On : 29 Mar 2021 15:01
 Operator : JC/MD
 Sample : M1458-09 2.5PPB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 7:50:52 PM

Quant Time: Mar 30 03:00:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 02:59:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.584	168	409752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	649506	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	583027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	251930	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.946	65	283451	52.04	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.08%
35) Dibromofluoromethane	7.504	113	218165	50.67	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.34%
50) Toluene-d8	10.028	98	815391	49.93	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.86%
62) 4-Bromofluorobenzene	12.345	95	261661	46.13	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.26%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.815	85	12968	2.51	ug/l 98
3) Chloromethane	2.017	50	19680	3.25	ug/l 97
4) Vinyl Chloride	2.143	62	17732	3.00	ug/l 97
5) Bromomethane	2.510	94	14121	3.56	ug/l 84
6) Chloroethane	2.650	64	10689	2.90	ug/l 91
7) Trichlorofluoromethane	2.958	101	23034	2.84	ug/l 98
8) Diethyl Ether	3.341	74	9293	2.81	ug/l 98
9) 1,1,2-Trichlorotrifluo...	3.677	101	13254	2.89	ug/l 99
10) Methyl Iodide	3.867	142	17358	2.67	ug/l 96
11) Tert butyl alcohol	4.717	59	12889	15.52	ug/l # 87
12) 1,1-Dichloroethene	3.663	96	13467	2.87	ug/l 98
13) Acrolein	3.529	56	15206	28.21	ug/l 97
14) Allyl chloride	4.224	41	23721	2.55	ug/l 89
15) Acrylonitrile	4.886	53	33027	14.26	ug/l 98
16) Acetone	3.738	43	41462	14.09	ug/l 94
17) Carbon Disulfide	3.964	76	41830	3.02	ug/l 99
18) Methyl Acetate	4.235	43	22375	2.91	ug/l 96
19) Methyl tert-butyl Ether	4.945	73	36692	2.64	ug/l 98
20) Methylene Chloride	4.455	84	17001	3.00	ug/l 96
21) trans-1,2-Dichloroethene	4.924	96	11309	2.66	ug/l 97
22) Diisopropyl ether	5.860	45	36404	2.51	ug/l 97
23) Vinyl Acetate	5.795	43	162644	13.18	ug/l 99
24) 1,1-Dichloroethane	5.737	63	22227	2.78	ug/l 96
25) 2-Butanone	6.750	43	42139	13.10	ug/l 99
26) 2,2-Dichloropropane	6.723	77	19236	2.70	ug/l 100
27) cis-1,2-Dichloroethene	6.726	96	13907	2.80	ug/l 96
28) Bromochloromethane	7.107	49	10633	2.64	ug/l # 95
29) Tetrahydrofuran	7.134	42	28536	13.59	ug/l 97
30) Chloroform	7.284	83	21662	2.71	ug/l 97
31) Cyclohexane	7.571	56	28569	3.79	ug/l # 79
32) 1,1,1-Trichloroethane	7.480	97	18523	2.64	ug/l 97
36) 1,1-Dichloropropene	7.708	75	16680	2.73	ug/l 96
37) Ethyl Acetate	6.847	43	19074	2.84	ug/l # 92
38) Carbon Tetrachloride	7.692	117	16221	2.64	ug/l 96
39) Methylcyclohexane	9.008	83	18363	2.47	ug/l 96
40) Benzene	7.960	78	48321	2.62	ug/l 99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.080	41	7814	2.35	ug/l #	82
42) 1,2-Dichloroethane	8.046	62	17549	2.66	ug/l	99
43) Isopropyl Acetate	8.094	43	31597	2.75	ug/l #	84
44) Trichloroethene	8.764	130	13030	2.69	ug/l	99
45) 1,2-Dichloropropane	9.051	63	13945	2.84	ug/l	98
46) Dibromomethane	9.140	93	8709	2.71	ug/l	97
47) Bromodichloromethane	9.336	83	17626	2.65	ug/l	97
48) Methyl methacrylate	9.137	41	12706	2.33	ug/l	94
49) 1,4-Dioxane	9.137	88	3946	57.48	ug/l #	92
51) 4-Methyl-2-Pentanone	9.923	43	89771	13.38	ug/l	99
52) Toluene	10.092	92	28264	2.50	ug/l	94
53) t-1,3-Dichloropropene	10.320	75	18151	2.51	ug/l	89
54) cis-1,3-Dichloropropene	9.773	75	20188	2.60	ug/l	95
55) 1,1,2-Trichloroethane	10.502	97	12356	2.72	ug/l	97
56) Ethyl methacrylate	10.371	69	16188	2.32	ug/l	99
57) 1,3-Dichloropropane	10.647	76	19872	2.63	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.633	63	8872	14.15	ug/l	98
59) 2-Hexanone	10.695	43	57847	12.31	ug/l	96
60) Dibromochloromethane	10.843	129	12890	2.55	ug/l	100
61) 1,2-Dibromoethane	10.945	107	12081	2.55	ug/l	99
64) Tetrachloroethene	10.569	164	12959	2.61	ug/l	89
65) Chlorobenzene	11.374	112	31612	2.72	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.449	131	11193	2.50	ug/l	89
67) Ethyl Benzene	11.452	91	52889	2.51	ug/l	96
68) m/p-Xylenes	11.564	106	39076	4.87	ug/l	98
69) o-Xylene	11.892	106	18962	2.45	ug/l	98
70) Styrene	11.908	104	28664	2.29	ug/l	99
71) Bromoform	12.069	173	8913	2.39	ug/l #	98
73) Isopropylbenzene	12.195	105	46225	2.47	ug/l	97
74) N-amyl acetate	12.020	43	7106	1.08	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.449	83	17568	2.94	ug/l	92
76) 1,2,3-Trichloropropane	12.500	75	15280m	2.76	ug/l	
77) Bromobenzene	12.468	156	12487	2.64	ug/l	97
78) n-propylbenzene	12.538	91	50900	2.50	ug/l	100
79) 2-Chlorotoluene	12.618	91	33499	2.67	ug/l	98
80) 1,3,5-Trimethylbenzene	12.677	105	37990	2.48	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.246	75	4782m	2.60	ug/l	
82) 4-Chlorotoluene	12.720	91	28749	2.31	ug/l	99
83) tert-Butylbenzene	12.940	119	34079	2.58	ug/l	95
84) 1,2,4-Trimethylbenzene	12.986	105	35221	2.37	ug/l	96
85) sec-Butylbenzene	13.117	105	41568	2.43	ug/l	99
86) p-Isopropyltoluene	13.235	119	35078	2.29	ug/l	98
87) 1,3-Dichlorobenzene	13.230	146	19540	2.46	ug/l	98
88) 1,4-Dichlorobenzene	13.308	146	20496	2.49	ug/l	89
89) n-Butylbenzene	13.565	91	29170	2.31	ug/l	88
90) Hexachloroethane	13.815	117	6984	2.53	ug/l	85
91) 1,2-Dichlorobenzene	13.603	146	19546	2.50	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.225	75	2338	2.04	ug/l	96
93) 1,2,4-Trichlorobenzene	14.858	180	11209	2.32	ug/l	88
94) Hexachlorobutadiene	14.949	225	6623	2.51	ug/l	97
95) Naphthalene	15.075	128	30059	2.06	ug/l	99
96) 1,2,3-Trichlorobenzene	15.255	180	11170	2.30	ug/l	99

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

