

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058702.D
 Acq On : 11 Oct 2019 14:52
 Operator : JC/SP
 Sample : K5111-08 0.2PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:26 AM

Quant Time: Oct 12 00:28:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	436449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	712297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	634258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	274592	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	311584	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
35) Dibromofluoromethane	7.57	113	219248	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	10.08	98	844632	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	
62) 4-Bromofluorobenzene	12.40	95	296117	44.46	ug/l	0.00
Spiked Amount			Recovery	=	88.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	1158	0.213	ug/l	99
3) Chloromethane	2.04	50	1973	0.305	ug/l	91
4) Vinyl Chloride	2.17	62	1672	0.260	ug/l	93
5) Bromomethane	2.55	94	1417	0.362	ug/l	90
6) Chloroethane	2.69	64	1168	0.294	ug/l #	88
7) Trichlorofluoromethane	3.00	101	1627	0.211	ug/l	89
8) Diethyl Ether	3.40	74	798m	0.280	ug/l	
10) Methyl Iodide	3.94	142	1403	0.234	ug/l #	51
11) Tert butyl alcohol	4.75	59	1753m	1.771	ug/l	
12) 1,1-Dichloroethene	3.71	96	1140	0.272	ug/l #	82
13) Acrolein	3.59	56	1505m	1.891	ug/l	
14) Allyl chloride	4.31	41	2379	0.281	ug/l #	70
15) Acrylonitrile	4.97	53	2821	1.130	ug/l #	73
16) Acetone	3.79	43	3925	1.552	ug/l	96
17) Carbon Disulfide	4.02	76	5948	0.444	ug/l #	91
18) Methyl Acetate	4.30	43	2639m	0.411	ug/l	
19) Methyl tert-butyl Ether	5.02	73	3542m	0.237	ug/l	
20) Methylene Chloride	4.52	84	2135	0.404	ug/l #	89
21) trans-1,2-Dichloroethene	5.01	96	1383m	0.295	ug/l	
23) Vinyl Acetate	5.88	43	13919	1.049	ug/l	97
24) 1,1-Dichloroethane	5.82	63	2151	0.230	ug/l #	85
25) 2-Butanone	6.82	43	5078	1.389	ug/l	99
26) 2,2-Dichloropropane	6.80	77	3602	0.421	ug/l #	62
27) cis-1,2-Dichloroethene	6.82	96	1434	0.262	ug/l #	1
29) Tetrahydrofuran	7.20	42	2521	1.067	ug/l #	74
30) Chloroform	7.36	83	3279	0.348	ug/l	87
31) Cyclohexane	7.65	56	11909	1.329	ug/l #	20
36) 1,1-Dichloropropene	7.77	75	2093	0.291	ug/l #	78
37) Ethyl Acetate	6.91	43	2214m	0.304	ug/l	
38) Carbon Tetrachloride	7.74	117	1500	0.214	ug/l	89
39) Methylcyclohexane	9.07	83	1717	0.205	ug/l	89
40) Benzene	8.03	78	5046	0.244	ug/l	99
41) Methacrylonitrile	7.14	41	834m	0.245	ug/l	
42) 1,2-Dichloroethane	8.11	62	2461	0.310	ug/l	88

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43) Isopropyl Acetate	8.14	43	2681	0.216	ug/l #	71
44) Trichloroethene	8.82	130	1359	0.265	ug/l	94
45) 1,2-Dichloropropane	9.11	63	1277m	0.231	ug/l	
46) Dibromomethane	9.20	93	784m	0.223	ug/l	
47) Bromodichloromethane	9.39	83	1536	0.215	ug/l #	96
48) Methyl methacrylate	9.19	41	1194	0.212	ug/l	84
49) 1,4-Dioxane	9.20	88	524	6.022	ug/l #	44
51) 4-Methyl-2-Pentanone	9.98	43	8262	1.186	ug/l	93
52) Toluene	10.15	92	3114	0.246	ug/l	90
53) t-1,3-Dichloropropene	10.38	75	2428	0.296	ug/l #	1
54) cis-1,3-Dichloropropene	9.83	75	2807	0.322	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	1171	0.226	ug/l #	70
56) Ethyl methacrylate	10.42	69	1530	0.202	ug/l #	68
57) 1,3-Dichloropropane	10.71	76	2013	0.228	ug/l #	84
58) 2-Chloroethyl Vinyl ether	9.69	63	2515	0.690	ug/l	99
59) 2-Hexanone	10.75	43	6388	1.186	ug/l	93
61) 1,2-Dibromoethane	11.00	107	1081	0.208	ug/l	98
64) Tetrachloroethene	10.63	164	1277	0.288	ug/l	88
65) Chlorobenzene	11.43	112	3336	0.259	ug/l	96
67) Ethyl Benzene	11.51	91	6001	0.261	ug/l	96
68) m/p-Xylenes	11.62	106	4467	0.518	ug/l	90
69) o-Xylene	11.95	106	1836	0.220	ug/l	90
70) Styrene	11.97	104	2875	0.210	ug/l #	86
71) Bromoform	12.12	173	715	0.205	ug/l #	28
73) Isopropylbenzene	12.25	105	5166	0.260	ug/l	96
74) N-amyl acetate	12.07	43	2269	0.254	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.51	83	1726	0.263	ug/l #	95
76) 1,2,3-Trichloropropane	12.56	75	2431m	0.404	ug/l	
77) Bromobenzene	12.53	156	1408	0.291	ug/l	92
78) n-propylbenzene	12.60	91	6483	0.280	ug/l	95
79) 2-Chlorotoluene	12.68	91	4020	0.279	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	4435	0.261	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.30	75	1240m	0.551	ug/l	
82) 4-Chlorotoluene	12.78	91	4094	0.277	ug/l	95
83) tert-Butylbenzene	13.00	119	3800	0.261	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	4331	0.257	ug/l	100
85) sec-Butylbenzene	13.18	105	4722	0.246	ug/l	98
86) p-Isopropyltoluene	13.30	119	4872	0.280	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	2697	0.302	ug/l	79
88) 1,4-Dichlorobenzene	13.37	146	3093m	0.341	ug/l	
89) n-Butylbenzene	13.62	91	4087	0.254	ug/l	92
90) Hexachloroethane	13.88	117	709	0.227	ug/l	77
91) 1,2-Dichlorobenzene	13.66	146	2115	0.243	ug/l	80
92) 1,2-Dibromo-3-Chloropropan	14.27	75	918m	0.600	ug/l	
93) 1,2,4-Trichlorobenzene	14.92	180	2384	0.450	ug/l	94
94) Hexachlorobutadiene	15.02	225	743	0.266	ug/l	94
95) Naphthalene	15.13	128	7466	0.490	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	2426	0.469	ug/l	90

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

