

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054946.D
 Acq On : 4 Apr 2019 14:40
 Operator : JC/SP
 Sample : K2241-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 1:43:38 PM

Quant Time: Apr 05 15:58:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 15:50:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	407190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	683183	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	584221	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	207347	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	285052	53.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.20%	
35) Dibromofluoromethane	7.59	113	224849	50.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.12%	
50) Toluene-d8	10.09	98	832241	49.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.40	95	254025	45.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.22%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	9855	2.024	ug/l	100
3) Chloromethane	2.06	50	15011	2.332	ug/l	92
4) Vinyl Chloride	2.19	62	11846	2.106	ug/l	98
5) Bromomethane	2.56	94	11206	3.490	ug/l	98
6) Chloroethane	2.71	64	6965	2.220	ug/l	89
7) Trichlorofluoromethane	3.02	101	15258	2.234	ug/l	92
8) Diethyl Ether	3.41	74	4860	2.234	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	8587	2.373	ug/l	92
10) Methyl Iodide	3.94	142	39223	7.690	ug/l	98
11) Tert butyl alcohol	4.82	59	15049	54.320	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	8315	2.317	ug/l	88
13) Acrolein	3.61	56	9708	25.550	ug/l	95
14) Allyl chloride	4.31	41	17422	2.187	ug/l	95
15) Acrylonitrile	5.00	53	17649	10.623	ug/l	95
16) Acetone	3.82	43	16851	10.968	ug/l	97
17) Carbon Disulfide	4.04	76	22598	1.978	ug/l	96
18) Methyl Acetate	4.33	43	11109	2.780	ug/l	93
19) Methyl tert-butyl Ether	5.06	73	23861	2.050	ug/l	96
20) Methylene Chloride	4.54	84	11919	2.392	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	9320	2.079	ug/l	92
22) Diisopropyl ether	5.96	45	32331	1.976	ug/l	94
23) Vinyl Acetate	5.90	43	106508	9.356	ug/l	98
24) 1,1-Dichloroethane	5.85	63	18585	2.083	ug/l	99
25) 2-Butanone	6.85	43	21173	10.503	ug/l	94
26) 2,2-Dichloropropane	6.81	77	12568m	2.009	ug/l	
27) cis-1,2-Dichloroethene	6.83	96	10639	2.092	ug/l	96
28) Bromochloromethane	7.19	49	8779	2.100	ug/l #	94
29) Tetrahydrofuran	7.23	42	13542	10.249	ug/l	97
30) Chloroform	7.37	83	18485	2.186	ug/l	97
31) Cyclohexane	7.65	56	25925	2.545	ug/l #	76
32) 1,1,1-Trichloroethane	7.56	97	13810	1.935	ug/l	98
36) 1,1-Dichloropropene	7.79	75	13428	1.984	ug/l	96
37) Ethyl Acetate	6.94	43	7179m	1.545	ug/l	
38) Carbon Tetrachloride	7.78	117	13667	2.091	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	16018	2.151	ug/l	90
40) Benzene	8.04	78	39018	2.003	ug/l	98
41) Methacrylonitrile	7.18	41	6118	2.303	ug/l #	90
42) 1,2-Dichloroethane	8.13	62	14660	2.142	ug/l	100
43) Isopropyl Acetate	8.17	43	13803	1.763	ug/l	96
44) Trichloroethene	8.83	130	10311	2.070	ug/l	97
45) 1,2-Dichloropropane	9.12	63	11258	2.074	ug/l #	88
46) Dibromomethane	9.21	93	6382	2.074	ug/l	99
47) Bromodichloromethane	9.40	83	12689	1.963	ug/l #	99
48) Methyl methacrylate	9.20	41	8580	2.165	ug/l	93
49) 1,4-Dioxane	9.21	88	1749	43.721	ug/l #	87
51) 4-Methyl-2-Pentanone	9.99	43	42355	9.698	ug/l	99
52) Toluene	10.16	92	22389	1.950	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	10569	1.772	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	12594	1.731	ug/l	89
55) 1,1,2-Trichloroethane	10.56	97	8625	2.072	ug/l	95
56) Ethyl methacrylate	10.43	69	10689	1.964	ug/l	95
57) 1,3-Dichloropropane	10.71	76	14574	2.005	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.70	63	17598	8.183	ug/l	100
59) 2-Hexanone	10.75	43	26935	9.873	ug/l	98
60) Dibromochloromethane	10.90	129	7880	1.807	ug/l	97
61) 1,2-Dibromoethane	11.01	107	7536	1.925	ug/l	99
64) Tetrachloroethene	10.63	164	9608	2.039	ug/l	96
65) Chlorobenzene	11.43	112	24421	2.051	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	8156	1.871	ug/l	97
67) Ethyl Benzene	11.51	91	45174	2.104	ug/l	98
68) m/p-Xylenes	11.62	106	30501	3.886	ug/l	99
69) o-Xylene	11.94	106	15449	2.018	ug/l	98
70) Styrene	11.96	104	22000	1.792	ug/l	95
71) Bromoform	12.12	173	3999	1.526	ug/l #	87
73) Isopropylbenzene	12.25	105	41004	2.341	ug/l	99
74) N-amyl acetate	12.07	43	10770	2.212	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	11182	2.599	ug/l	95
76) 1,2,3-Trichloropropane	12.55	75	8594m	2.306	ug/l	
77) Bromobenzene	12.53	156	10095	2.380	ug/l	97
78) n-propylbenzene	12.59	91	44779	2.320	ug/l	99
79) 2-Chlorotoluene	12.67	91	28978	2.423	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	32916	2.288	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	1836m	2.045	ug/l	
82) 4-Chlorotoluene	12.77	91	25484	2.253	ug/l	99
83) tert-Butylbenzene	12.99	119	28742	2.349	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	29538	2.122	ug/l	100
85) sec-Butylbenzene	13.17	105	35719	2.257	ug/l	98
86) p-Isopropyltoluene	13.29	119	28987	2.126	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	15000	2.126	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	15253	2.271	ug/l	88
89) n-Butylbenzene	13.61	91	23023	2.112	ug/l	99
90) Hexachloroethane	13.87	117	4321	1.886	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	14392	2.077	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1441	2.403	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	5513	1.789	ug/l	96
94) Hexachlorobutadiene	15.01	225	5671	2.447	ug/l	95
95) Naphthalene	15.13	128	10822	1.600	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	5910	1.858	ug/l	94

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

