

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101019\
 Data File : VN058650.D
 Acq On : 9 Oct 2019 19:10
 Operator : JC/SP
 Sample : VN1010WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1010WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 3:20:37 PM

Quant Time: Oct 10 05:23:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	438644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	726150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	654835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	303413	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	270760	42.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.48%	
35) Dibromofluoromethane	7.57	113	200834	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
50) Toluene-d8	10.08	98	737852	42.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.64%	
62) 4-Bromofluorobenzene	12.41	95	273367	43.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	81554	16.956	ug/l	100
3) Chloromethane	2.04	50	105276	19.910	ug/l	99
4) Vinyl Chloride	2.17	62	106363	20.534	ug/l	99
5) Bromomethane	2.55	94	46604	16.938	ug/l	100
6) Chloroethane	2.69	64	66898	21.554	ug/l	100
7) Trichlorofluoromethane	3.00	101	134743	21.556	ug/l	99
8) Diethyl Ether	3.39	74	50520	18.732	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	76878	18.109	ug/l	98
10) Methyl Iodide	3.93	142	60865	12.930	ug/l	99
11) Tert butyl alcohol	4.75	59	77181	108.384	ug/l #	81
12) 1,1-Dichloroethene	3.72	96	72783	17.589	ug/l	95
13) Acrolein	3.59	56	19737	87.142	ug/l	93
14) Allyl chloride	4.30	41	142773m	18.960	ug/l	
15) Acrylonitrile	4.96	53	204390	98.482	ug/l	100
16) Acetone	3.79	43	193221	88.425	ug/l	97
17) Carbon Disulfide	4.03	76	195996	17.969	ug/l	99
18) Methyl Acetate	4.30	43	105458	19.189	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	275483	18.868	ug/l	98
20) Methylene Chloride	4.53	84	91936	18.232	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	81569	17.727	ug/l	96
22) Diisopropyl ether	5.93	45	304864	18.813	ug/l	96
23) Vinyl Acetate	5.87	43	1193134	97.649	ug/l	99
24) 1,1-Dichloroethane	5.83	63	169961	18.636	ug/l	98
25) 2-Butanone	6.81	43	266318	88.769	ug/l	99
26) 2,2-Dichloropropane	6.80	77	148083	19.751	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	96934	18.024	ug/l	99
28) Bromochloromethane	7.18	49	63913	17.532	ug/l	99
29) Tetrahydrofuran	7.19	42	179130	94.074	ug/l	98
30) Chloroform	7.35	83	173244	18.746	ug/l	94
31) Cyclohexane	7.64	56	149423	16.844	ug/l #	93
32) 1,1,1-Trichloroethane	7.55	97	148668	19.590	ug/l	99
36) 1,1-Dichloropropene	7.77	75	122078	17.582	ug/l	99
37) Ethyl Acetate	6.91	43	116668	19.818	ug/l	99
38) Carbon Tetrachloride	7.76	117	128148	20.447	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	132254	16.311	ug/l	95
40) Benzene	8.03	78	365126	18.294	ug/l	100
41) Methacrylonitrile	7.15	41	54908	20.274	ug/l	92
42) 1,2-Dichloroethane	8.11	62	141958	18.282	ug/l	100
43) Isopropyl Acetate	8.15	43	194105	17.534	ug/l	98
44) Trichloroethene	8.82	130	91759	18.619	ug/l	98
45) 1,2-Dichloropropane	9.11	63	102298	19.111	ug/l	98
46) Dibromomethane	9.20	93	62989	18.582	ug/l	98
47) Bromodichloromethane	9.39	83	130908	20.382	ug/l	98
48) Methyl methacrylate	9.19	41	90720	17.998	ug/l	95
49) 1,4-Dioxane	9.19	88	31114	461.628	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	563325	99.068	ug/l	99
52) Toluene	10.15	92	225297	17.934	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	139746	19.991	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	155286	20.011	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	88605	19.370	ug/l	98
56) Ethyl methacrylate	10.43	69	127906	18.428	ug/l	97
57) 1,3-Dichloropropane	10.71	76	158264	19.397	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	299250	108.123	ug/l	99
59) 2-Hexanone	10.75	43	392515	94.800	ug/l	99
60) Dibromochloromethane	10.90	129	96098	19.955	ug/l	99
61) 1,2-Dibromoethane	11.00	107	88429	18.920	ug/l	100
64) Tetrachloroethene	10.63	164	80617	19.377	ug/l	97
65) Chlorobenzene	11.43	112	239318	18.386	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	91153	20.785	ug/l	100
67) Ethyl Benzene	11.51	91	432088	18.327	ug/l	100
68) m/p-Xylenes	11.62	106	313900	35.387	ug/l	96
69) o-Xylene	11.95	106	154984	18.150	ug/l	100
70) Styrene	11.97	104	245038	17.664	ug/l	99
71) Bromoform	12.13	173	60855	20.495	ug/l #	98
73) Isopropylbenzene	12.25	105	423972	18.908	ug/l	100
74) N-amyl acetate	12.07	43	160756	18.021	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	128053	19.313	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	100929m	18.212	ug/l	
77) Bromobenzene	12.53	156	100737	19.160	ug/l	99
78) n-propylbenzene	12.60	91	489359	19.371	ug/l	100
79) 2-Chlorotoluene	12.68	91	291994	18.727	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	357536	19.048	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34108	18.692	ug/l	95
82) 4-Chlorotoluene	12.78	91	295558	18.576	ug/l	100
83) tert-Butylbenzene	13.00	119	301532	19.038	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	359670	19.125	ug/l	100
85) sec-Butylbenzene	13.18	105	397924	19.088	ug/l	99
86) p-Isopropyltoluene	13.29	119	356399	19.422	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	178899	18.765	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	174292	18.375	ug/l	98
89) n-Butylbenzene	13.62	91	306231	18.423	ug/l	99
90) Hexachloroethane	13.88	117	61153	22.180	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	175721	19.183	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	23218	19.857	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	97190	19.200	ug/l	98
94) Hexachlorobutadiene	15.02	225	49157	18.894	ug/l	97
95) Naphthalene	15.13	128	266696	17.972	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	92413	18.194	ug/l	99

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

