

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055517.D
 Acq On : 10 May 2019 00:24
 Operator : JC/SP
 Sample : VN0509WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 12:44:06 PM

Quant Time: May 10 05:31:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	687834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1220357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1057343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	405244	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	529435	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
35) Dibromofluoromethane	7.59	113	402146	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.09	98	1552660	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.40	95	503016	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	133449	19.056	ug/l	100
3) Chloromethane	2.06	50	217654	19.131	ug/l	97
4) Vinyl Chloride	2.19	62	214745	19.996	ug/l	99
5) Bromomethane	2.55	94	123382	20.968	ug/l	97
6) Chloroethane	2.70	64	135553	21.669	ug/l	94
7) Trichlorofluoromethane	3.02	101	245212	20.813	ug/l	97
8) Diethyl Ether	3.41	74	109375	20.671	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	151830	20.255	ug/l	99
10) Methyl Iodide	3.95	142	182286	17.992	ug/l	99
11) Tert butyl alcohol	4.81	59	140346	91.781	ug/l	100
12) 1,1-Dichloroethene	3.73	96	154733	20.583	ug/l	99
13) Acrolein	3.61	56	88987	87.317	ug/l	99
14) Allyl chloride	4.32	41	292480	18.993	ug/l	98
15) Acrylonitrile	5.00	53	459984	97.146	ug/l	99
16) Acetone	3.82	43	374395	78.074	ug/l	96
17) Carbon Disulfide	4.05	76	404120	19.696	ug/l	99
18) Methyl Acetate	4.33	43	197338	18.923	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	508088	20.340	ug/l	95
20) Methylene Chloride	4.55	84	192041	19.585	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	167396	20.538	ug/l	93
22) Diisopropyl ether	5.96	45	634917	20.289	ug/l	94
23) Vinyl Acetate	5.90	43	2385676	98.577	ug/l	100
24) 1,1-Dichloroethane	5.85	63	350590	20.754	ug/l	99
25) 2-Butanone	6.84	43	600451	90.645	ug/l	98
26) 2,2-Dichloropropane	6.82	77	180976	17.185	ug/l	80
27) cis-1,2-Dichloroethene	6.83	96	197535	20.970	ug/l	98
28) Bromochloromethane	7.20	49	193016	22.002	ug/l	97
29) Tetrahydrofuran	7.22	42	414619	94.680	ug/l	98
30) Chloroform	7.37	83	323811	20.735	ug/l	98
31) Cyclohexane	7.65	56	324368	19.407	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	246080	20.692	ug/l	99
36) 1,1-Dichloropropene	7.79	75	236696	19.688	ug/l	98
37) Ethyl Acetate	6.93	43	246275	18.779	ug/l	99
38) Carbon Tetrachloride	7.77	117	198552	19.613	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	276235	18.844	ug/l	100
40) Benzene	8.04	78	763425	20.460	ug/l	98
41) Methacrylonitrile	7.18	41	120817m	19.848	ug/l	
42) 1,2-Dichloroethane	8.13	62	258032	19.683	ug/l	100
43) Isopropyl Acetate	8.17	43	374995	18.821	ug/l #	88
44) Trichloroethene	8.83	130	179859	20.258	ug/l	98
45) 1,2-Dichloropropane	9.12	63	211061	19.769	ug/l	97
46) Dibromomethane	9.21	93	124288	20.084	ug/l	97
47) Bromodichloromethane	9.40	83	237753	20.083	ug/l	100
48) Methyl methacrylate	9.20	41	176383	18.374	ug/l	97
49) 1,4-Dioxane	9.20	88	67431	360.398	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1196970	91.344	ug/l	99
52) Toluene	10.16	92	441562	20.700	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	216738	19.062	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	269801	19.858	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	173573	20.083	ug/l	98
56) Ethyl methacrylate	10.43	69	244330	19.005	ug/l	98
57) 1,3-Dichloropropane	10.71	76	311360	20.292	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	295324	77.337	ug/l	99
59) 2-Hexanone	10.75	43	810320	88.176	ug/l	100
60) Dibromochloromethane	10.90	129	158207	20.133	ug/l	99
61) 1,2-Dibromoethane	11.00	107	164876	19.854	ug/l	99
64) Tetrachloroethene	10.63	164	180363	20.818	ug/l	98
65) Chlorobenzene	11.43	112	437527	20.113	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	156298	20.871	ug/l	98
67) Ethyl Benzene	11.51	91	793121	19.413	ug/l	99
68) m/p-Xylenes	11.62	106	583918	39.825	ug/l	99
69) o-Xylene	11.95	106	290092	20.130	ug/l	99
70) Styrene	11.96	104	470441	20.376	ug/l	99
71) Bromoform	12.13	173	102364	20.256	ug/l #	100
73) Isopropylbenzene	12.25	105	755054	21.151	ug/l	100
74) N-amyl acetate	12.07	43	275866	17.930	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	239732	20.629	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	208885m	18.934	ug/l	
77) Bromobenzene	12.53	156	174253	19.511	ug/l	96
78) n-propylbenzene	12.59	91	832518	19.154	ug/l	99
79) 2-Chlorotoluene	12.67	91	515331	19.025	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	633767	19.555	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	51296	17.157	ug/l	96
82) 4-Chlorotoluene	12.77	91	489568	19.127	ug/l	99
83) tert-Butylbenzene	12.99	119	535589	19.280	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	582837	19.609	ug/l	100
85) sec-Butylbenzene	13.17	105	699832	18.956	ug/l	99
86) p-Isopropyltoluene	13.29	119	564922	18.801	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	271905	19.703	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	264432	19.416	ug/l	99
89) n-Butylbenzene	13.61	91	402262	17.272	ug/l	100
90) Hexachloroethane	13.87	117	93710	19.119	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	274387	19.894	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33194	17.813	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	81903	15.969	ug/l	98
94) Hexachlorobutadiene	15.01	225	88922	20.408	ug/l	98
95) Naphthalene	15.13	128	221967	15.302	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	94168	16.202	ug/l	98

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

