

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090619\
 Data File : VN057716.D
 Acq On : 6 Sep 2019 16:46
 Operator : JC/SP
 Sample : VN0906WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 1:10:57 PM

Quant Time: Sep 06 23:41:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 03:46:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	198425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	331464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	305295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	166426	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	243467	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
35) Dibromofluoromethane	7.58	113	153531	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.09	98	583706	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
62) 4-Bromofluorobenzene	12.40	95	230253	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	63131	20.035	ug/l	96
3) Chloromethane	2.03	50	66184	15.417	ug/l	99
4) Vinyl Chloride	2.16	62	52740	19.327	ug/l	96
5) Bromomethane	2.54	94	29050	23.179	ug/l	99
6) Chloroethane	2.68	64	30778	19.104	ug/l	100
7) Trichlorofluoromethane	3.00	101	85435	19.508	ug/l	98
8) Diethyl Ether	3.39	74	34860	19.921	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58651	21.459	ug/l	96
10) Methyl Iodide	3.93	142	58078	21.447	ug/l	97
11) Tert butyl alcohol	4.76	59	51928	94.682	ug/l #	92
12) 1,1-Dichloroethene	3.71	96	49078	19.957	ug/l	91
13) Acrolein	3.59	56	22893	87.771	ug/l	93
14) Allyl chloride	4.30	41	107382	19.109	ug/l	99
15) Acrylonitrile	4.96	53	150124	106.469	ug/l	96
16) Acetone	3.80	43	162775	109.578	ug/l	95
17) Carbon Disulfide	4.03	76	105689	18.969	ug/l	98
18) Methyl Acetate	4.31	43	80043	19.815	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	201092	19.478	ug/l	99
20) Methylene Chloride	4.53	84	64036	19.937	ug/l #	96
21) trans-1,2-Dichloroethene	5.02	96	53292	20.595	ug/l	97
22) Diisopropyl ether	5.93	45	241293	20.298	ug/l	95
23) Vinyl Acetate	5.87	43	987178	102.596	ug/l	99
24) 1,1-Dichloroethane	5.83	63	121361	19.911	ug/l	99
25) 2-Butanone	6.82	43	223774	105.191	ug/l	98
26) 2,2-Dichloropropane	6.80	77	101087	19.879	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	62120	19.125	ug/l	93
28) Bromochloromethane	7.18	49	59804	18.752	ug/l	98
29) Tetrahydrofuran	7.19	42	141808	103.366	ug/l	99
30) Chloroform	7.36	83	124194	19.554	ug/l	98
31) Cyclohexane	7.64	56	109693	20.246	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	104549	19.762	ug/l	100
36) 1,1-Dichloropropene	7.78	75	83630	18.965	ug/l	99
37) Ethyl Acetate	6.91	43	94415	21.567	ug/l #	95
38) Carbon Tetrachloride	7.76	117	84905	20.109	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	93008	19.941	ug/l	96
40) Benzene	8.03	78	252302	20.229	ug/l	100
41) Methacrylonitrile	7.16	41	42873	20.035	ug/l #	74
42) 1,2-Dichloroethane	8.11	62	114511	19.587	ug/l	97
43) Isopropyl Acetate	8.15	43	164114	19.531	ug/l	99
44) Trichloroethene	8.82	130	57316	20.446	ug/l	93
45) 1,2-Dichloropropane	9.11	63	73600	21.099	ug/l	99
46) Dibromomethane	9.20	93	44878	20.056	ug/l	98
47) Bromodichloromethane	9.40	83	91133	19.164	ug/l #	98
48) Methyl methacrylate	9.19	41	81772	18.922	ug/l	96
49) 1,4-Dioxane	9.19	88	20923	416.113	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	490076	105.018	ug/l	99
52) Toluene	10.15	92	153235	20.270	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	92748	19.441	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	102758	19.936	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	62571	20.568	ug/l	96
56) Ethyl methacrylate	10.43	69	102764	21.163	ug/l	93
57) 1,3-Dichloropropane	10.71	76	111762	20.451	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	248920	101.043	ug/l	100
59) 2-Hexanone	10.75	43	351420	106.792	ug/l	99
60) Dibromochloromethane	10.90	129	56507	18.440	ug/l	98
61) 1,2-Dibromoethane	11.00	107	59760	20.462	ug/l	99
64) Tetrachloroethene	10.63	164	49137	20.644	ug/l	94
65) Chlorobenzene	11.43	112	160764	20.187	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	57100	20.606	ug/l	98
67) Ethyl Benzene	11.51	91	316848	20.621	ug/l	99
68) m/p-Xylenes	11.62	106	220260	41.619	ug/l	97
69) o-Xylene	11.95	106	107393	20.493	ug/l	99
70) Styrene	11.96	104	183626	20.251	ug/l	97
71) Bromoform	12.13	173	34058	18.623	ug/l #	100
73) Isopropylbenzene	12.25	105	299593	20.362	ug/l	98
74) N-amyl acetate	12.07	43	148896	20.258	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	90824	20.585	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	84284m	22.054	ug/l	
77) Bromobenzene	12.53	156	68567	21.451	ug/l	95
78) n-propylbenzene	12.59	91	356200	20.377	ug/l	99
79) 2-Chlorotoluene	12.68	91	215360	20.237	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	259961	20.799	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21073	17.148	ug/l	93
82) 4-Chlorotoluene	12.78	91	221388	20.199	ug/l	99
83) tert-Butylbenzene	12.99	119	217622	20.654	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	251026	20.275	ug/l	100
85) sec-Butylbenzene	13.17	105	292695	20.163	ug/l	99
86) p-Isopropyltoluene	13.29	119	256654	20.862	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	120240	20.121	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	121351	20.300	ug/l	100
89) n-Butylbenzene	13.62	91	239958	19.722	ug/l	100
90) Hexachloroethane	13.88	117	36769	19.074	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	119988	20.394	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17265	19.863	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	70874	20.136	ug/l	99
94) Hexachlorobutadiene	15.01	225	36527	21.291	ug/l	97
95) Naphthalene	15.13	128	208453	20.414	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	67806	20.098	ug/l	98

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

