

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
 Data File : VN055569.D
 Acq On : 13 May 2019 10:51
 Operator : JC/SP
 Sample : VN0513WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0513WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 9:42:26 AM

Quant Time: May 14 02:05:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	676377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1155557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	983101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	382541	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	475873	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
35) Dibromofluoromethane	7.59	113	374917	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	10.09	98	1422786	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	467882	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	129441	18.797	ug/l	98
3) Chloromethane	2.06	50	198466	17.740	ug/l	99
4) Vinyl Chloride	2.19	62	198715	18.817	ug/l	100
5) Bromomethane	2.57	94	123164	21.286	ug/l	100
6) Chloroethane	2.71	64	120603	19.606	ug/l	97
7) Trichlorofluoromethane	3.02	101	235819	20.355	ug/l	98
8) Diethyl Ether	3.41	74	102034	19.610	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	149796	20.322	ug/l	98
10) Methyl Iodide	3.95	142	170863	17.150	ug/l	99
11) Tert butyl alcohol	4.81	59	115506	76.816	ug/l	99
12) 1,1-Dichloroethene	3.73	96	142766	19.313	ug/l	97
13) Acrolein	3.61	56	87873	87.685	ug/l	98
14) Allyl chloride	4.32	41	283562	18.726	ug/l	99
15) Acrylonitrile	4.99	53	416725	89.501	ug/l	99
16) Acetone	3.82	43	439320	93.165	ug/l	99
17) Carbon Disulfide	4.05	76	382788	18.972	ug/l	98
18) Methyl Acetate	4.33	43	183373	17.819	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	467937	19.050	ug/l	98
20) Methylene Chloride	4.55	84	179363	18.602	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	157434	19.643	ug/l	94
22) Diisopropyl ether	5.96	45	589910	19.170	ug/l	97
23) Vinyl Acetate	5.90	43	2194027	92.193	ug/l	100
24) 1,1-Dichloroethane	5.85	63	325560	19.598	ug/l	100
25) 2-Butanone	6.84	43	580420	89.105	ug/l	99
26) 2,2-Dichloropropane	6.82	77	211555	20.429	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	186222	20.104	ug/l	98
28) Bromochloromethane	7.20	49	166078	19.252	ug/l	94
29) Tetrahydrofuran	7.22	42	372443	86.490	ug/l	98
30) Chloroform	7.37	83	308910	20.116	ug/l	99
31) Cyclohexane	7.66	56	303708	18.479	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	238480	20.393	ug/l	99
36) 1,1-Dichloropropene	7.79	75	228312	20.055	ug/l	98
37) Ethyl Acetate	6.93	43	220633	17.767	ug/l	99
38) Carbon Tetrachloride	7.77	117	195127	20.355	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	274692	19.790	ug/l	98
40) Benzene	8.04	78	713081	20.182	ug/l	99
41) Methacrylonitrile	7.17	41	100960	17.516	ug/l	93
42) 1,2-Dichloroethane	8.13	62	236532	19.055	ug/l	99
43) Isopropyl Acetate	8.17	43	344871	18.280	ug/l	96
44) Trichloroethene	8.84	130	176233	20.963	ug/l	95
45) 1,2-Dichloropropane	9.12	63	198895	19.674	ug/l	99
46) Dibromomethane	9.21	93	116200	19.830	ug/l	96
47) Bromodichloromethane	9.40	83	228248	20.361	ug/l	97
48) Methyl methacrylate	9.20	41	160185	17.622	ug/l	97
49) 1,4-Dioxane	9.20	88	44950	253.716	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1095244	88.268	ug/l	100
52) Toluene	10.16	92	408914	20.244	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	219700	20.406	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	260274	20.231	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	164469	20.096	ug/l	98
56) Ethyl methacrylate	10.43	69	222227	18.255	ug/l	99
57) 1,3-Dichloropropane	10.71	76	287120	19.761	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	275905	76.471	ug/l	99
59) 2-Hexanone	10.75	43	753821	86.628	ug/l	100
60) Dibromochloromethane	10.90	129	159694	21.462	ug/l	98
61) 1,2-Dibromoethane	11.01	107	154369	19.632	ug/l	99
64) Tetrachloroethene	10.63	164	164384	20.406	ug/l	97
65) Chlorobenzene	11.43	112	416184	20.577	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	148888	21.383	ug/l	98
67) Ethyl Benzene	11.51	91	753677	19.840	ug/l	99
68) m/p-Xylenes	11.62	106	546382	40.079	ug/l	100
69) o-Xylene	11.95	106	265218	19.794	ug/l	100
70) Styrene	11.96	104	436181	20.319	ug/l	99
71) Bromoform	12.13	173	97895	20.834	ug/l #	100
73) Isopropylbenzene	12.25	105	720602	21.413	ug/l	100
74) N-amyl acetate	12.07	43	234981	16.180	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	225960	20.594	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	196545m	18.873	ug/l	
77) Bromobenzene	12.53	156	164940	19.565	ug/l	94
78) n-propylbenzene	12.59	91	793763	19.346	ug/l	99
79) 2-Chlorotoluene	12.67	91	492142	19.247	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	589972	19.284	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50577	17.920	ug/l	97
82) 4-Chlorotoluene	12.77	91	469147	19.417	ug/l	99
83) tert-Butylbenzene	12.99	119	500010	19.067	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	544500	19.406	ug/l	100
85) sec-Butylbenzene	13.17	105	668111	19.170	ug/l	98
86) p-Isopropyltoluene	13.29	119	549738	19.382	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	261032	20.038	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	254471	19.794	ug/l	99
89) n-Butylbenzene	13.61	91	404777	18.411	ug/l	99
90) Hexachloroethane	13.87	117	94448	20.413	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	261680	20.099	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30819	17.520	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	82228	16.781	ug/l	99
94) Hexachlorobutadiene	15.01	225	89640	21.960	ug/l	98
95) Naphthalene	15.13	128	208066	15.216	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	93666	16.942	ug/l	98

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

