

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020619\
 Data File : VN053635.D
 Acq On : 6 Feb 2019 15:23
 Operator : JC/SP
 Sample : VN0206WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0206WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/7/2019 11:04:26 AM

Quant Time: Feb 07 04:34:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	617270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1030695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	896093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	428548	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	353339	57.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.12%	
35) Dibromofluoromethane	7.59	113	336180	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	10.09	98	1239928	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.40	95	412069	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	142747	20.712	ug/l	100
3) Chloromethane	2.06	50	156378	21.339	ug/l	99
4) Vinyl Chloride	2.19	62	154185	21.674	ug/l	98
5) Bromomethane	2.58	94	102005	21.930	ug/l	97
6) Chloroethane	2.71	64	88891	21.866	ug/l	98
7) Trichlorofluoromethane	3.02	101	210788	21.850	ug/l	100
8) Diethyl Ether	3.42	74	76440	21.697	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	126372	21.181	ug/l	99
10) Methyl Iodide	3.96	142	197755	21.118	ug/l	100
11) Tert butyl alcohol	4.78	59	40930	111.684	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	123083	21.533	ug/l	97
13) Acrolein	3.61	56	28494	142.803	ug/l	97
14) Allyl chloride	4.33	41	191771	21.071	ug/l	98
15) Acrylonitrile	4.99	53	220629	111.516	ug/l	99
16) Acetone	3.81	43	147407	92.804	ug/l	98
17) Carbon Disulfide	4.06	76	356056	20.005	ug/l	100
18) Methyl Acetate	4.33	43	109571	23.293	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	325010	22.429	ug/l	98
20) Methylene Chloride	4.55	84	142877	21.441	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	132204	21.438	ug/l	97
22) Diisopropyl ether	5.95	45	373106	22.125	ug/l	97
23) Vinyl Acetate	5.90	43	1292565	110.796	ug/l	100
24) 1,1-Dichloroethane	5.85	63	244816	21.765	ug/l	99
25) 2-Butanone	6.84	43	238262	105.176	ug/l	99
26) 2,2-Dichloropropane	6.83	77	171873	20.017	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	149610	21.818	ug/l	98
28) Bromochloromethane	7.20	49	104900	21.491	ug/l	97
29) Tetrahydrofuran	7.21	42	160446	110.298	ug/l	98
30) Chloroform	7.37	83	243328	21.823	ug/l	99
31) Cyclohexane	7.65	56	216242	20.549	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	200459	21.603	ug/l	100
36) 1,1-Dichloropropene	7.79	75	172072	18.520	ug/l	97
37) Ethyl Acetate	6.93	43	109560	21.113	ug/l	98
38) Carbon Tetrachloride	7.78	117	179643	19.193	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	198207	17.981	ug/l	99
40) Benzene	8.04	78	565411	19.734	ug/l	99
41) Methacrylonitrile	7.17	41	59525	20.525	ug/l	91
42) 1,2-Dichloroethane	8.13	62	166226	19.540	ug/l	98
43) Isopropyl Acetate	8.17	43	210271	20.982	ug/l #	84
44) Trichloroethene	8.84	130	151521	18.576	ug/l	100
45) 1,2-Dichloropropane	9.12	63	145822	19.899	ug/l	99
46) Dibromomethane	9.21	93	87986	19.917	ug/l	98
47) Bromodichloromethane	9.40	83	181619	19.773	ug/l	97
48) Methyl methacrylate	9.20	41	90089	18.833	ug/l	94
49) 1,4-Dioxane	9.20	88	26629	408.257	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	500468	101.629	ug/l	99
52) Toluene	10.16	92	340787	20.041	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	175495	19.081	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	210743	19.336	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	125529	20.487	ug/l	98
56) Ethyl methacrylate	10.43	69	143260	19.764	ug/l	99
57) 1,3-Dichloropropane	10.71	76	210518	20.103	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	384371	90.772	ug/l	98
59) 2-Hexanone	10.75	43	314553	94.091	ug/l	99
60) Dibromochloromethane	10.90	129	137919	19.960	ug/l	100
61) 1,2-Dibromoethane	11.01	107	117812	19.426	ug/l	100
64) Tetrachloroethene	10.63	164	145651	18.961	ug/l	98
65) Chlorobenzene	11.44	112	366476	19.254	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	134042	20.164	ug/l	99
67) Ethyl Benzene	11.51	91	614694	19.660	ug/l	99
68) m/p-Xylenes	11.62	106	478195	40.072	ug/l	99
69) o-Xylene	11.95	106	231659	20.094	ug/l	99
70) Styrene	11.96	104	377177	20.185	ug/l	99
71) Bromoform	12.13	173	93816	20.586	ug/l #	98
73) Isopropylbenzene	12.25	105	609848	20.243	ug/l	100
74) N-amyl acetate	12.07	43	148763	20.535	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	141510	19.627	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	119746m	21.754	ug/l	
77) Bromobenzene	12.53	156	161914	19.942	ug/l	98
78) n-propylbenzene	12.59	91	697058	20.015	ug/l	100
79) 2-Chlorotoluene	12.68	91	417437	20.203	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	517433	20.712	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36161	18.473	ug/l	98
82) 4-Chlorotoluene	12.77	91	420869	19.851	ug/l	100
83) tert-Butylbenzene	12.99	119	458297	20.756	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	526872	20.701	ug/l	99
85) sec-Butylbenzene	13.17	105	624261	20.777	ug/l	100
86) p-Isopropyltoluene	13.29	119	535312	20.371	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	284351	19.482	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	280480	19.427	ug/l	100
89) n-Butylbenzene	13.62	91	438598	19.283	ug/l	100
90) Hexachloroethane	13.87	117	87337	20.149	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	281729	20.162	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22245	21.649	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	152059	18.974	ug/l	100
94) Hexachlorobutadiene	15.01	225	99606	19.958	ug/l	98
95) Naphthalene	15.13	128	319000	18.093	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	144886	19.485	ug/l	99

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

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