

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056926.D
 Acq On : 25 Jul 2019 16:35
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN072619

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:37:08 PM

Quant Time: Jul 26 04:28:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 04:10:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	501605	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	755716	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	668580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	284936	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	247759	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
35) Dibromofluoromethane	7.57	113	230537	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
50) Toluene-d8	10.08	98	875608	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
62) 4-Bromofluorobenzene	12.39	95	288480	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	278973	47.418	ug/l	100
3) Chloromethane	2.05	50	308950	47.789	ug/l	99
4) Vinyl Chloride	2.17	62	294176	48.325	ug/l	98
5) Bromomethane	2.54	94	194937	52.942	ug/l	100
6) Chloroethane	2.68	64	161610	47.827	ug/l	98
7) Trichlorofluoromethane	3.00	101	374110	47.153	ug/l	98
8) Diethyl Ether	3.39	74	146615	49.345	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	229782	47.134	ug/l	100
10) Methyl Iodide	3.93	142	317251	44.289	ug/l	99
11) Tert butyl alcohol	4.77	59	177282	236.761	ug/l	100
12) 1,1-Dichloroethene	3.72	96	227658	48.364	ug/l	99
13) Acrolein	3.59	56	101467	241.807	ug/l	97
14) Allyl chloride	4.30	41	373420	48.892	ug/l	98
15) Acrylonitrile	4.96	53	544400	252.644	ug/l	99
16) Acetone	3.80	43	453189	255.677	ug/l	99
17) Carbon Disulfide	4.03	76	606852	47.865	ug/l	99
18) Methyl Acetate	4.30	43	287042	46.256	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	691479	49.957	ug/l	98
20) Methylene Chloride	4.53	84	254957	45.422	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	242227	48.088	ug/l	98
22) Diisopropyl ether	5.93	45	760819	48.914	ug/l	98
23) Vinyl Acetate	5.87	43	2760541	257.647	ug/l	100
24) 1,1-Dichloroethane	5.83	63	437369	47.861	ug/l	100
25) 2-Butanone	6.82	43	680299	249.341	ug/l	100
26) 2,2-Dichloropropane	6.80	77	332702	49.609	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	283365	49.297	ug/l	98
28) Bromochloromethane	7.18	49	208176	49.363	ug/l	99
29) Tetrahydrofuran	7.20	42	451439	252.510	ug/l	100
30) Chloroform	7.36	83	433886	46.103	ug/l	99
31) Cyclohexane	7.64	56	413087	46.452	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	367582	48.770	ug/l	98
36) 1,1-Dichloropropene	7.78	75	329743	47.725	ug/l	99
37) Ethyl Acetate	6.91	43	276558	49.397	ug/l	99
38) Carbon Tetrachloride	7.76	117	311553	47.407	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	414859	49.267	ug/l	99
40) Benzene	8.03	78	1011287	46.939	ug/l	99
41) Methacrylonitrile	7.15	41	112068	45.514	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	313055	47.044	ug/l	99
43) Isopropyl Acetate	8.15	43	453456	49.229	ug/l	99
44) Trichloroethene	8.82	130	279049	47.476	ug/l	99
45) 1,2-Dichloropropane	9.11	63	269843	46.604	ug/l	99
46) Dibromomethane	9.20	93	168758	48.347	ug/l	99
47) Bromodichloromethane	9.39	83	329882	48.395	ug/l	100
48) Methyl methacrylate	9.19	41	223650	50.580	ug/l	99
49) 1,4-Dioxane	9.19	88	91021	983.079	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1371427	250.421	ug/l	100
52) Toluene	10.15	92	630862	48.821	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	352351	51.272	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	403342	49.854	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	243343	46.989	ug/l	99
56) Ethyl methacrylate	10.42	69	364187	52.305	ug/l	99
57) 1,3-Dichloropropane	10.70	76	410820	48.470	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	716192	228.215	ug/l	100
59) 2-Hexanone	10.74	43	969096	258.115	ug/l	98
60) Dibromochloromethane	10.89	129	261162	49.636	ug/l	100
61) 1,2-Dibromoethane	11.00	107	252942	49.207	ug/l	98
64) Tetrachloroethene	10.62	164	272004	44.539	ug/l	97
65) Chlorobenzene	11.43	112	679531	48.579	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	254317	48.887	ug/l	99
67) Ethyl Benzene	11.50	91	1187239	49.297	ug/l	99
68) m/p-Xylenes	11.62	106	885815	98.637	ug/l	98
69) o-Xylene	11.94	106	431830	49.140	ug/l	99
70) Styrene	11.96	104	725867	47.369	ug/l	99
71) Bromoform	12.12	173	182346	50.466	ug/l	100
73) Isopropylbenzene	12.24	105	1160727	51.558	ug/l	100
74) N-amyl acetate	12.06	43	374746	49.224	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	320472	52.204	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	249362m	44.918	ug/l	
77) Bromobenzene	12.52	156	300505	45.347	ug/l	100
78) n-propylbenzene	12.59	91	1282417	46.822	ug/l	99
79) 2-Chlorotoluene	12.67	91	762726	51.095	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	976152	45.582	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	94082	52.012	ug/l	98
82) 4-Chlorotoluene	12.77	91	751490	47.970	ug/l	99
83) tert-Butylbenzene	12.99	119	841003	51.816	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	964073	47.540	ug/l	100
85) sec-Butylbenzene	13.17	105	1100890	46.140	ug/l	100
86) p-Isopropyltoluene	13.28	119	1007142	47.769	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	494870	49.910	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	469732	49.474	ug/l	99
89) n-Butylbenzene	13.61	91	820148	50.364	ug/l	99
90) Hexachloroethane	13.87	117	165218	49.713	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	490543	48.843	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	52085	51.076	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	257104	49.210	ug/l	100
94) Hexachlorobutadiene	15.00	225	177528	52.280	ug/l	100
95) Naphthalene	15.12	128	665779	49.464	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	276652	50.743	ug/l	98

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

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