

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070119\
 Data File : VN056573.D
 Acq On : 1 Jul 2019 15:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/3/2019 9:16:10 AM

Quant Time: Jul 02 01:59:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	329244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	502385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	456180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	181227	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	7.59	113	157819	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
50) Toluene-d8	10.09	98	592718	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.40	95	207635	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	123603	44.336	ug/l	99
3) Chloromethane	2.06	50	168237	44.320	ug/l	99
4) Vinyl Chloride	2.18	62	163371	44.560	ug/l	100
5) Bromomethane	2.52	94	91895m	42.754	ug/l	
6) Chloroethane	2.67	64	98538m	46.410	ug/l	
7) Trichlorofluoromethane	3.00	101	217876	45.940	ug/l	100
8) Diethyl Ether	3.40	74	95614	47.636	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	142476	47.108	ug/l	99
10) Methyl Iodide	3.94	142	194739	47.640	ug/l	99
11) Tert butyl alcohol	4.80	59	155866	253.609	ug/l	99
12) 1,1-Dichloroethene	3.73	96	134567	46.267	ug/l	96
13) Acrolein	3.60	56	99858	192.780	ug/l	99
14) Allyl chloride	4.32	41	240754	49.726	ug/l	99
15) Acrylonitrile	4.99	53	442270	260.118	ug/l	99
16) Acetone	3.82	43	388129	212.299	ug/l	100
17) Carbon Disulfide	4.04	76	255445	38.614	ug/l	98
18) Methyl Acetate	4.32	43	190127	53.152	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	483179	50.205	ug/l	98
20) Methylene Chloride	4.55	84	166328	48.229	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	142881	45.565	ug/l	98
22) Diisopropyl ether	5.95	45	512687	50.422	ug/l	96
23) Vinyl Acetate	5.89	43	2138034	266.595	ug/l	100
24) 1,1-Dichloroethane	5.84	63	290070	49.697	ug/l	100
25) 2-Butanone	6.84	43	599963	247.953	ug/l	99
26) 2,2-Dichloropropane	6.82	77	206133	50.778	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	181503	49.473	ug/l	99
28) Bromochloromethane	7.19	49	148306	51.370	ug/l	100
29) Tetrahydrofuran	7.21	42	390457	264.060	ug/l	98
30) Chloroform	7.37	83	292336	50.758	ug/l	100
31) Cyclohexane	7.65	56	245263	43.526	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	227143	49.755	ug/l	98
36) 1,1-Dichloropropene	7.79	75	203220	45.958	ug/l	99
37) Ethyl Acetate	6.93	43	231478	53.268	ug/l	98
38) Carbon Tetrachloride	7.77	117	190619	49.296	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	243087	44.552	ug/l	99
40) Benzene	8.04	78	653172	48.021	ug/l	98
41) Methacrylonitrile	7.17	41	99495	51.850	ug/l	95
42) 1,2-Dichloroethane	8.12	62	218938	48.774	ug/l	100
43) Isopropyl Acetate	8.16	43	356384	53.186	ug/l #	92
44) Trichloroethene	8.83	130	174957	47.751	ug/l	97
45) 1,2-Dichloropropane	9.12	63	183782	50.523	ug/l	97
46) Dibromomethane	9.21	93	115413	50.713	ug/l	97
47) Bromodichloromethane	9.40	83	213425	52.876	ug/l	99
48) Methyl methacrylate	9.20	41	171736	51.144	ug/l	98
49) 1,4-Dioxane	9.20	88	71666	1028.450	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1144222	264.565	ug/l	100
52) Toluene	10.16	92	402570	48.410	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	225114	48.007	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	258898	53.264	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	174411	52.178	ug/l	99
56) Ethyl methacrylate	10.43	69	259067	53.034	ug/l	99
57) 1,3-Dichloropropane	10.71	76	288910	51.450	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	353900	201.661	ug/l	99
59) 2-Hexanone	10.75	43	801592	252.179	ug/l	99
60) Dibromochloromethane	10.90	129	172516	50.202	ug/l	98
61) 1,2-Dibromoethane	11.00	107	177003	51.847	ug/l	100
64) Tetrachloroethene	10.63	164	168393	46.613	ug/l	99
65) Chlorobenzene	11.43	112	436633	47.634	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	162396	52.420	ug/l	99
67) Ethyl Benzene	11.51	91	764686	47.512	ug/l	99
68) m/p-Xylenes	11.62	106	573542	97.237	ug/l	99
69) o-Xylene	11.95	106	284409	48.738	ug/l	99
70) Styrene	11.96	104	477115	51.151	ug/l	99
71) Bromoform	12.13	173	120162	48.200	ug/l #	99
73) Isopropylbenzene	12.25	105	756340	52.816	ug/l	99
74) N-amyl acetate	12.07	43	291851	47.960	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	247297	55.990	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	211931m	53.454	ug/l	
77) Bromobenzene	12.52	156	197399	46.171	ug/l	98
78) n-propylbenzene	12.59	91	818009	46.717	ug/l	100
79) 2-Chlorotoluene	12.67	91	500361	52.226	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	615447	51.199	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	60669	54.386	ug/l	95
82) 4-Chlorotoluene	12.77	91	479957	46.424	ug/l	99
83) tert-Butylbenzene	12.99	119	556737	53.276	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	593422	46.102	ug/l	100
85) sec-Butylbenzene	13.17	105	713666	46.371	ug/l	100
86) p-Isopropyltoluene	13.29	119	614831	46.550	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	313643	48.408	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	294434	46.922	ug/l	100
89) n-Butylbenzene	13.61	91	438191	43.824	ug/l	99
90) Hexachloroethane	13.87	117	105310	51.142	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	312155	48.559	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36893	52.146	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	119619	37.335	ug/l	99
94) Hexachlorobutadiene	15.01	225	108139	49.626	ug/l	99
95) Naphthalene	15.13	128	322766	38.267	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	133597	39.545	ug/l	98

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

