

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\
 Data File : VN053993.D
 Acq On : 28 Feb 2019 9:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/1/2019 4:10:05 PM

Quant Time: Mar 01 04:11:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	692652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1035672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	921340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	431211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	393142	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	7.59	113	342214	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.09	98	1286421	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.40	95	428096	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	302665	47.480	ug/l	100
3) Chloromethane	2.06	50	407967	46.139	ug/l	99
4) Vinyl Chloride	2.18	62	409294	46.199	ug/l	99
5) Bromomethane	2.57	94	252034	42.955	ug/l	100
6) Chloroethane	2.71	64	246560	44.749	ug/l	99
7) Trichlorofluoromethane	3.02	101	531207	46.934	ug/l	99
8) Diethyl Ether	3.41	74	197626	46.606	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	343514	48.056	ug/l	93
10) Methyl Iodide	3.95	142	466639	49.681	ug/l	97
11) Tert butyl alcohol	4.78	59	121620	236.282	ug/l	100
12) 1,1-Dichloroethene	3.74	96	315768	46.182	ug/l	93
13) Acrolein	3.60	56	110204	206.795	ug/l	96
14) Allyl chloride	4.32	41	552494	46.070	ug/l	93
15) Acrylonitrile	4.98	53	671111	247.383	ug/l	99
16) Acetone	3.81	43	667502	313.663	ug/l	94
17) Carbon Disulfide	4.05	76	1008069	45.701	ug/l	100
18) Methyl Acetate	4.32	43	283803	49.988	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	887422	48.381	ug/l	98
20) Methylene Chloride	4.55	84	364924	45.411	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	342613	46.296	ug/l	93
22) Diisopropyl ether	5.95	45	1156199	49.974	ug/l	97
23) Vinyl Acetate	5.89	43	4191651	251.848	ug/l	95
24) 1,1-Dichloroethane	5.85	63	668030	47.084	ug/l	99
25) 2-Butanone	6.83	43	844413	264.865	ug/l	96
26) 2,2-Dichloropropane	6.82	77	511279	50.722	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	387923	47.134	ug/l	92
28) Bromochloromethane	7.19	49	327887	50.489	ug/l	81
29) Tetrahydrofuran	7.21	42	528820	249.085	ug/l	92
30) Chloroform	7.37	83	652203	47.408	ug/l	98
31) Cyclohexane	7.65	56	630080	48.515	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	545358	48.077	ug/l	96
36) 1,1-Dichloropropene	7.79	75	514585	53.428	ug/l	96
37) Ethyl Acetate	6.92	43	347517	50.532	ug/l	96
38) Carbon Tetrachloride	7.77	117	481782	48.097	ug/l	99

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

39) Methylcyclohexane	9.08	83	609699	52.521	ug/l	94
40) Benzene	8.04	78	1493640	50.481	ug/l	100
41) Methacrylonitrile	7.17	41	177251	40.027	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	472727	51.606	ug/l	97
43) Isopropyl Acetate	8.16	43	593903	51.148	ug/l #	91
44) Trichloroethene	8.83	130	395191	50.381	ug/l	94
45) 1,2-Dichloropropane	9.12	63	404067	50.618	ug/l	99
46) Dibromomethane	9.21	93	233542	50.393	ug/l	92
47) Bromodichloromethane	9.40	83	508824	52.098	ug/l	99
48) Methyl methacrylate	9.20	41	290427	54.377	ug/l	93
49) 1,4-Dioxane	9.20	88	78157	1080.415	ug/l #	92
51) 4-Methyl-2-Pentanone	9.98	43	1673411	280.454	ug/l	95
52) Toluene	10.16	92	888083	50.974	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	509983	53.666	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	589481	52.619	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	330108	50.735	ug/l	99
56) Ethyl methacrylate	10.43	69	410753	48.218	ug/l	89
57) 1,3-Dichloropropane	10.71	76	565744	51.461	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	955318	241.029	ug/l	95
59) 2-Hexanone	10.75	43	1111946	286.532	ug/l	93
60) Dibromochloromethane	10.90	129	374017	51.723	ug/l	99
61) 1,2-Dibromoethane	11.00	107	320022	50.987	ug/l	98
64) Tetrachloroethene	10.63	164	394997	50.629	ug/l	97
65) Chlorobenzene	11.43	112	950618	48.889	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	357694	51.042	ug/l	99
67) Ethyl Benzene	11.51	91	1666663	51.129	ug/l	99
68) m/p-Xylenes	11.62	106	1271299	103.332	ug/l	95
69) o-Xylene	11.95	106	603686	49.938	ug/l	96
70) Styrene	11.96	104	997215	53.632	ug/l	99
71) Bromoform	12.13	173	254242	52.149	ug/l #	100
73) Isopropylbenzene	12.25	105	1618547	48.219	ug/l	98
74) N-amyl acetate	12.07	43	458706	52.139	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	399669	47.614	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	332187m	48.022	ug/l	
77) Bromobenzene	12.53	156	401901	47.158	ug/l	88
78) n-propylbenzene	12.59	91	1944024	50.925	ug/l	97
79) 2-Chlorotoluene	12.67	91	1117351	48.724	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1388577	50.530	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	111404	50.902	ug/l	93
82) 4-Chlorotoluene	12.77	91	1133893	50.029	ug/l	97
83) tert-Butylbenzene	12.99	119	1193514	49.107	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1399873	51.026	ug/l	98
85) sec-Butylbenzene	13.17	105	1668038	50.249	ug/l	98
86) p-Isopropyltoluene	13.29	119	1439386	51.291	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	736010	49.923	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	709957	49.636	ug/l	99
89) n-Butylbenzene	13.62	91	1285518	54.355	ug/l	99
90) Hexachloroethane	13.87	117	264340	48.609	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	701481	49.153	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59433	50.103	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	374100	47.324	ug/l	98
94) Hexachlorobutadiene	15.01	225	258654	50.174	ug/l	99
95) Naphthalene	15.13	128	730324	43.239	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	360236	47.465	ug/l	99

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

