

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020719\
 Data File : VN053646.D
 Acq On : 7 Feb 2019 10:32
 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
 2/11/2019 12:13:42 PM

Quant Time: Feb 09 00:39:31 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	7.66	168	843198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1225401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1079133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	539352	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	385395	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	
35) Dibromofluoromethane	7.59	113	372931	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
50) Toluene-d8	10.09	98	1393160	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
62) 4-Bromofluorobenzene	12.40	95	473266	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	408666	43.038	ug/l	100
3) Chloromethane	2.06	50	419998	41.956	ug/l	100
4) Vinyl Chloride	2.19	62	419722	43.192	ug/l	98
5) Bromomethane	2.57	94	274918	43.268	ug/l	96
6) Chloroethane	2.71	64	236731	42.630	ug/l	99
7) Trichlorofluoromethane	3.02	101	583888	44.309	ug/l	98
8) Diethyl Ether	3.41	74	206522	42.913	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	371644	45.601	ug/l	98
10) Methyl Iodide	3.95	142	552631	43.202	ug/l	99
11) Tert butyl alcohol	4.78	59	110558	220.843	ug/l	98
12) 1,1-Dichloroethene	3.74	96	342123	43.816	ug/l	99
13) Acrolein	3.61	56	66848	245.255	ug/l	99
14) Allyl chloride	4.33	41	540762	43.496	ug/l	99
15) Acrylonitrile	4.99	53	599893	221.970	ug/l	100
16) Acetone	3.82	43	558550	257.428	ug/l	100
17) Carbon Disulfide	4.06	76	1009996	41.541	ug/l	100
18) Methyl Acetate	4.32	43	281337	43.783	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	890192	44.972	ug/l	99
20) Methylene Chloride	4.55	84	385364	42.334	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	365105	43.341	ug/l	98
22) Diisopropyl ether	5.95	45	1055849	45.834	ug/l	98
23) Vinyl Acetate	5.89	43	3595352	225.611	ug/l	98
24) 1,1-Dichloroethane	5.85	63	673999	43.866	ug/l	99
25) 2-Butanone	6.83	43	712386	230.209	ug/l	100
26) 2,2-Dichloropropane	6.82	77	514294	43.848	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	418867	44.716	ug/l	98
28) Bromochloromethane	7.19	49	290258	43.532	ug/l	96
29) Tetrahydrofuran	7.21	42	436557	219.698	ug/l	98
30) Chloroform	7.37	83	670015	43.990	ug/l	100
31) Cyclohexane	7.65	56	611644	42.732	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	564562	44.540	ug/l	100
36) 1,1-Dichloropropene	7.79	75	521728	47.231	ug/l	99
37) Ethyl Acetate	6.93	43	292201	47.363	ug/l	100
38) Carbon Tetrachloride	7.77	117	516237	46.391	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	633498	48.339	ug/l	99
40) Benzene	8.04	78	1556315	45.688	ug/l	99
41) Methacrylonitrile	7.17	41	161535	46.848	ug/l	90
42) 1,2-Dichloroethane	8.12	62	458269	45.309	ug/l	99
43) Isopropyl Acetate	8.16	43	502884	42.208	ug/l #	89
44) Trichloroethene	8.83	130	437865	45.151	ug/l	99
45) 1,2-Dichloropropane	9.12	63	405791	46.575	ug/l	100
46) Dibromomethane	9.21	93	237700	45.258	ug/l	97
47) Bromodichloromethane	9.40	83	512215	46.906	ug/l	100
48) Methyl methacrylate	9.20	41	245097	43.096	ug/l	90
49) 1,4-Dioxane	9.20	88	75369	917.924	ug/l #	94
51) 4-Methyl-2-Pentanone	9.98	43	1356070	231.619	ug/l	100
52) Toluene	10.16	92	951181	47.049	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	514663	47.066	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	608342	46.948	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	339683	46.628	ug/l	99
56) Ethyl methacrylate	10.43	69	403383	46.807	ug/l	98
57) 1,3-Dichloropropane	10.71	76	571705	45.919	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1028672	194.309	ug/l	99
59) 2-Hexanone	10.75	43	909701	228.878	ug/l	99
60) Dibromochloromethane	10.90	129	392245	47.747	ug/l	100
61) 1,2-Dibromoethane	11.00	107	327995	45.489	ug/l	99
64) Tetrachloroethene	10.63	164	427635	46.228	ug/l	99
65) Chlorobenzene	11.43	112	1047147	45.683	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	381522	47.659	ug/l	100
67) Ethyl Benzene	11.51	91	1770360	47.017	ug/l	100
68) m/p-Xylenes	11.62	106	1386360	96.469	ug/l	100
69) o-Xylene	11.95	106	664446	47.858	ug/l	99
70) Styrene	11.96	104	1096711	48.736	ug/l	100
71) Bromoform	12.13	173	270270	49.246	ug/l #	100
73) Isopropylbenzene	12.25	105	1749981	46.154	ug/l	99
74) N-amyl acetate	12.07	43	418466	45.897	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	388176	42.778	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	320294m	46.234	ug/l	
77) Bromobenzene	12.53	156	460546	45.069	ug/l	98
78) n-propylbenzene	12.59	91	2062272	47.051	ug/l	100
79) 2-Chlorotoluene	12.67	91	1201838	46.217	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1522939	48.437	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	112947	45.845	ug/l	99
82) 4-Chlorotoluene	12.77	91	1234837	46.277	ug/l	100
83) tert-Butylbenzene	12.99	119	1311432	47.193	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1549124	48.360	ug/l	99
85) sec-Butylbenzene	13.17	105	1806160	47.763	ug/l	99
86) p-Isopropyltoluene	13.29	119	1622872	49.070	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	837309	45.582	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	830968	45.731	ug/l	100
89) n-Butylbenzene	13.61	91	1410971	49.289	ug/l	99
90) Hexachloroethane	13.87	117	266697	48.889	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	815063	46.348	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57608	44.546	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	491046	48.686	ug/l	100
94) Hexachlorobutadiene	15.01	225	307157	48.901	ug/l	100
95) Naphthalene	15.13	128	982337	41.758	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	441818	47.210	ug/l	100

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

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