

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
 Data File : VN055566.D
 Acq On : 13 May 2019 9:30
 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
 5/14/2019 9:37:52 AM

Quant Time: May 14 01:58:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	711100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1171274	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1036198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	429766	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	471762	44.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.12%	
35) Dibromofluoromethane	7.59	113	377987	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	10.09	98	1468062	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.40	95	499667	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	315706	43.607	ug/l	98
3) Chloromethane	2.06	50	491909	41.823	ug/l	98
4) Vinyl Chloride	2.19	62	493061	44.409	ug/l	100
5) Bromomethane	2.54	94	279264	45.907	ug/l	98
6) Chloroethane	2.69	64	305113	47.179	ug/l	97
7) Trichlorofluoromethane	3.01	101	582354	47.811	ug/l	100
8) Diethyl Ether	3.41	74	253314	46.308	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	373228	48.162	ug/l	98
10) Methyl Iodide	3.94	142	471241	44.991	ug/l	99
11) Tert butyl alcohol	4.81	59	309269	195.632	ug/l	99
12) 1,1-Dichloroethene	3.73	96	360983	46.447	ug/l	99
13) Acrolein	3.60	56	275732	261.706	ug/l	98
14) Allyl chloride	4.32	41	719833	45.215	ug/l	98
15) Acrylonitrile	4.99	53	1058611	216.259	ug/l	100
16) Acetone	3.82	43	1182073	238.438	ug/l	97
17) Carbon Disulfide	4.04	76	985262	46.449	ug/l	100
18) Methyl Acetate	4.33	43	447086	42.816	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1182069	45.773	ug/l	99
20) Methylene Chloride	4.54	84	447608	44.154	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	401431	47.640	ug/l	93
22) Diisopropyl ether	5.95	45	1522731	47.067	ug/l	98
23) Vinyl Acetate	5.89	43	5838040	233.337	ug/l	99
24) 1,1-Dichloroethane	5.85	63	807316	46.227	ug/l	100
25) 2-Butanone	6.84	43	1525714	222.788	ug/l	98
26) 2,2-Dichloropropane	6.82	77	552735	50.770	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	466019	47.854	ug/l	99
28) Bromochloromethane	7.19	49	414756	45.731	ug/l	96
29) Tetrahydrofuran	7.21	42	925891	204.514	ug/l	99
30) Chloroform	7.37	83	757502	46.919	ug/l	99
31) Cyclohexane	7.65	56	758065	43.871	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	595659	48.449	ug/l	100
36) 1,1-Dichloropropene	7.79	75	578879	50.167	ug/l	98
37) Ethyl Acetate	6.93	43	566967	45.043	ug/l	99
38) Carbon Tetrachloride	7.77	117	496874	51.138	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	690515	49.080	ug/l	99
40) Benzene	8.04	78	1792713	50.058	ug/l	99
41) Methacrylonitrile	7.17	41	272568	46.655	ug/l	94
42) 1,2-Dichloroethane	8.12	62	597502	47.489	ug/l	99
43) Isopropyl Acetate	8.16	43	895264	46.816	ug/l	98
44) Trichloroethene	8.83	130	430371	50.506	ug/l	96
45) 1,2-Dichloropropane	9.12	63	504871	49.271	ug/l	99
46) Dibromomethane	9.21	93	293577	49.429	ug/l	98
47) Bromodichloromethane	9.40	83	588383	51.783	ug/l	97
48) Methyl methacrylate	9.20	41	422389	45.844	ug/l	97
49) 1,4-Dioxane	9.20	88	159765	889.678	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	2809232	223.364	ug/l	99
52) Toluene	10.15	92	1067981	52.163	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	596109	54.624	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	707842	54.281	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	412097	49.678	ug/l	99
56) Ethyl methacrylate	10.43	69	600865	48.697	ug/l	98
57) 1,3-Dichloropropane	10.71	76	735462	49.940	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	824509	201.081	ug/l	100
59) 2-Hexanone	10.75	43	1989751	225.590	ug/l	99
60) Dibromochloromethane	10.90	129	410058	54.369	ug/l	99
61) 1,2-Dibromoethane	11.00	107	409876	51.426	ug/l	99
64) Tetrachloroethene	10.63	164	409252	48.200	ug/l	98
65) Chlorobenzene	11.43	112	1080429	50.681	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	393580	53.627	ug/l	99
67) Ethyl Benzene	11.51	91	2005664	50.093	ug/l	100
68) m/p-Xylenes	11.62	106	1481864	103.130	ug/l	99
69) o-Xylene	11.95	106	717021	50.770	ug/l	99
70) Styrene	11.96	104	1221509	53.986	ug/l	98
71) Bromoform	12.12	173	268521	54.219	ug/l #	99
73) Isopropylbenzene	12.25	105	1928350	54.649	ug/l	100
74) N-amyl acetate	12.07	43	711137	43.584	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	574905	49.891	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	505388m	43.197	ug/l	
77) Bromobenzene	12.53	156	441904	46.658	ug/l	96
78) n-propylbenzene	12.59	91	2205353	47.844	ug/l	100
79) 2-Chlorotoluene	12.67	91	1326056	46.161	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1612162	46.905	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	147415	46.492	ug/l	97
82) 4-Chlorotoluene	12.77	91	1303163	48.009	ug/l	98
83) tert-Butylbenzene	12.99	119	1342969	45.585	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1542161	48.923	ug/l	99
85) sec-Butylbenzene	13.17	105	1828472	46.700	ug/l	99
86) p-Isopropyltoluene	13.29	119	1564456	49.096	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	742449	50.731	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	726152	50.276	ug/l	99
89) n-Butylbenzene	13.61	91	1255970	50.850	ug/l	100
90) Hexachloroethane	13.87	117	255033	49.064	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	729948	49.905	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	87791	44.423	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	290377	45.877	ug/l	99
94) Hexachlorobutadiene	15.01	225	232250	53.834	ug/l	99
95) Naphthalene	15.13	128	732653	41.423	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	313532	45.682	ug/l	99

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

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