

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059109.D
 Acq On : 7 Nov 2019 9:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/8/2019 9:39:03 AM

Quant Time: Nov 08 01:25:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	537478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	849320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	765837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	360714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	328296	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
35) Dibromofluoromethane	7.56	113	256481	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	10.08	98	1017194	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.40	95	372627	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	250864	46.325	ug/l	100
3) Chloromethane	2.04	50	334615	45.456	ug/l	99
4) Vinyl Chloride	2.17	62	329857	46.219	ug/l	100
5) Bromomethane	2.54	94	192228	46.805	ug/l	99
6) Chloroethane	2.68	64	193496	45.833	ug/l	100
7) Trichlorofluoromethane	3.00	101	404748	47.414	ug/l	100
8) Diethyl Ether	3.38	74	168102	48.464	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	242039	47.025	ug/l	99
10) Methyl Iodide	3.92	142	319363	50.128	ug/l	99
11) Tert butyl alcohol	4.75	59	290114	230.405	ug/l	98
12) 1,1-Dichloroethene	3.71	96	235162	46.902	ug/l	98
13) Acrolein	3.58	56	146901	226.283	ug/l	98
14) Allyl chloride	4.29	41	487858	47.369	ug/l	98
15) Acrylonitrile	4.95	53	761174	242.908	ug/l	99
16) Acetone	3.79	43	937629	272.903	ug/l	98
17) Carbon Disulfide	4.03	76	701999	45.104	ug/l	100
18) Methyl Acetate	4.29	43	389260	47.732	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	847390	49.090	ug/l	99
20) Methylene Chloride	4.52	84	280330	46.834	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	256488	47.658	ug/l	98
22) Diisopropyl ether	5.92	45	951242	48.898	ug/l	99
23) Vinyl Acetate	5.86	43	3953050	262.195	ug/l	100
24) 1,1-Dichloroethane	5.82	63	525825	48.395	ug/l	99
25) 2-Butanone	6.80	43	1134905	250.634	ug/l	100
26) 2,2-Dichloropropane	6.80	77	447177	47.068	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	300812	48.178	ug/l	99
28) Bromochloromethane	7.17	49	157982	48.329	ug/l	99
29) Tetrahydrofuran	7.18	42	687633	238.996	ug/l	99
30) Chloroform	7.35	83	493220	47.321	ug/l	100
31) Cyclohexane	7.63	56	475200	46.199	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	425312	48.535	ug/l	99
36) 1,1-Dichloropropene	7.77	75	380682	47.953	ug/l	99
37) Ethyl Acetate	6.90	43	419835	47.538	ug/l	99
38) Carbon Tetrachloride	7.75	117	371281	46.989	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	454538	49.334	ug/l	100
40) Benzene	8.02	78	1148161	48.028	ug/l	99
41) Methacrylonitrile	7.15	41	181972m	47.384	ug/l	
42) 1,2-Dichloroethane	8.10	62	393445	47.986	ug/l	100
43) Isopropyl Acetate	8.14	43	673497	47.835	ug/l	99
44) Trichloroethene	8.81	130	282833	48.129	ug/l	99
45) 1,2-Dichloropropane	9.10	63	316748	48.781	ug/l	100
46) Dibromomethane	9.19	93	192065	47.467	ug/l	100
47) Bromodichloromethane	9.39	83	391890	48.502	ug/l	97
48) Methyl methacrylate	9.18	41	303568	48.202	ug/l	97
49) 1,4-Dioxane	9.18	88	104901	937.276	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	2067175	259.479	ug/l	99
52) Toluene	10.14	92	700988	48.922	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	458899	49.160	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	494321	49.229	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	273752	47.207	ug/l	99
56) Ethyl methacrylate	10.42	69	441135	45.774	ug/l	100
57) 1,3-Dichloropropane	10.70	76	482586	48.353	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	863597	267.595	ug/l	100
59) 2-Hexanone	10.74	43	1602993	262.151	ug/l	99
60) Dibromochloromethane	10.90	129	301711	49.210	ug/l	100
61) 1,2-Dibromoethane	11.00	107	283483	48.291	ug/l	99
64) Tetrachloroethene	10.62	164	247321	47.493	ug/l	98
65) Chlorobenzene	11.43	112	729330	48.853	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	274404	48.998	ug/l	99
67) Ethyl Benzene	11.51	91	1340774	50.619	ug/l	99
68) m/p-Xylenes	11.62	106	997239	100.508	ug/l	99
69) o-Xylene	11.94	106	473887	49.422	ug/l	99
70) Styrene	11.96	104	787870	52.245	ug/l	100
71) Bromoform	12.12	173	218290	50.111	ug/l #	100
73) Isopropylbenzene	12.25	105	1302094	49.625	ug/l	100
74) N-amyl acetate	12.07	43	560471	50.410	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	421933	47.220	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	388699m	47.332	ug/l	
77) Bromobenzene	12.53	156	307251	46.608	ug/l	98
78) n-propylbenzene	12.59	91	1516512	50.478	ug/l	99
79) 2-Chlorotoluene	12.67	91	899971	48.289	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1108010	49.836	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	153902	49.499	ug/l	99
82) 4-Chlorotoluene	12.77	91	922932	49.374	ug/l	99
83) tert-Butylbenzene	12.99	119	925864	48.222	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1092344	50.782	ug/l	100
85) sec-Butylbenzene	13.17	105	1260742	50.489	ug/l	100
86) p-Isopropyltoluene	13.29	119	1142692	51.827	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	555358	49.197	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	547295	48.457	ug/l	100
89) n-Butylbenzene	13.62	91	1002769	51.964	ug/l	100
90) Hexachloroethane	13.88	117	210347	47.511	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	543030	48.901	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	84248	47.260	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	309017	46.118	ug/l	99
94) Hexachlorobutadiene	15.01	225	177747	46.422	ug/l	99
95) Naphthalene	15.13	128	822780	44.382	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	302129	48.548	ug/l	99

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

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