

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110819\
 Data File : VN059130.D
 Acq On : 8 Nov 2019 8:50
 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
 11/11/2019 10:34:49 AM

Quant Time: Nov 11 01:01:51 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	517822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	799795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	729971	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	348489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	306216	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
35) Dibromofluoromethane	7.56	113	242760	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	10.08	98	955550	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.40	95	355523	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	228080	43.716	ug/l	100
3) Chloromethane	2.04	50	303431	42.785	ug/l	99
4) Vinyl Chloride	2.17	62	304454	44.279	ug/l	100
5) Bromomethane	2.54	94	165486	41.823	ug/l	98
6) Chloroethane	2.68	64	184278	45.306	ug/l	98
7) Trichlorofluoromethane	3.00	101	373331	45.394	ug/l	98
8) Diethyl Ether	3.38	74	152588	45.661	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	227629	45.904	ug/l	99
10) Methyl Iodide	3.92	142	244629	39.855	ug/l	100
11) Tert butyl alcohol	4.74	59	238608	196.693	ug/l	99
12) 1,1-Dichloroethene	3.71	96	222035	45.965	ug/l	97
13) Acrolein	3.58	56	114970	183.820	ug/l	99
14) Allyl chloride	4.29	41	446691	45.018	ug/l	98
15) Acrylonitrile	4.95	53	671868	222.547	ug/l	99
16) Acetone	3.78	43	856953	258.889	ug/l	99
17) Carbon Disulfide	4.02	76	650865	43.406	ug/l	99
18) Methyl Acetate	4.29	43	343912	43.772	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	787259	47.338	ug/l	100
20) Methylene Chloride	4.52	84	263851	45.754	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	240608	46.404	ug/l	98
22) Diisopropyl ether	5.92	45	893896	47.695	ug/l	100
23) Vinyl Acetate	5.86	43	3617706	249.061	ug/l	100
24) 1,1-Dichloroethane	5.81	63	485196	46.351	ug/l	98
25) 2-Butanone	6.80	43	1029885	236.075	ug/l	100
26) 2,2-Dichloropropane	6.79	77	420127	45.899	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	280562	46.640	ug/l	100
28) Bromochloromethane	7.17	49	141628	44.971	ug/l	99
29) Tetrahydrofuran	7.18	42	598982	216.087	ug/l	99
30) Chloroform	7.34	83	461665	45.975	ug/l	99
31) Cyclohexane	7.63	56	436302	44.028	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	394790	46.762	ug/l	99
36) 1,1-Dichloropropene	7.77	75	356250	47.654	ug/l	100
37) Ethyl Acetate	6.90	43	370693	44.573	ug/l	100
38) Carbon Tetrachloride	7.75	117	347325	46.679	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	413100	47.613	ug/l	99
40) Benzene	8.02	78	1073531	47.687	ug/l	100
41) Methacrylonitrile	7.14	41	172365m	47.662	ug/l	
42) 1,2-Dichloroethane	8.10	62	362101	46.898	ug/l	100
43) Isopropyl Acetate	8.14	43	603060	45.484	ug/l	99
44) Trichloroethene	8.81	130	266500	48.158	ug/l	97
45) 1,2-Dichloropropane	9.10	63	293239	47.957	ug/l	99
46) Dibromomethane	9.19	93	176209	46.245	ug/l	99
47) Bromodichloromethane	9.38	83	368881	48.482	ug/l	98
48) Methyl methacrylate	9.18	41	275577	46.467	ug/l	98
49) 1,4-Dioxane	9.18	88	96224	912.985	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1831734	244.163	ug/l	100
52) Toluene	10.14	92	655516	48.582	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	425153	48.365	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	464509	49.125	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	256657	47.000	ug/l	98
56) Ethyl methacrylate	10.42	69	405719	44.750	ug/l	99
57) 1,3-Dichloropropane	10.70	76	450957	47.981	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	778623	256.205	ug/l	100
59) 2-Hexanone	10.74	43	1436438	249.459	ug/l	100
60) Dibromochloromethane	10.89	129	282922	49.002	ug/l	100
61) 1,2-Dibromoethane	11.00	107	264698	47.883	ug/l	99
64) Tetrachloroethene	10.62	164	232239	46.788	ug/l	98
65) Chlorobenzene	11.43	112	688573	48.389	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	259450	48.604	ug/l	100
67) Ethyl Benzene	11.51	91	1267022	50.185	ug/l	99
68) m/p-Xylenes	11.62	106	943238	99.736	ug/l	100
69) o-Xylene	11.94	106	449627	49.196	ug/l	99
70) Styrene	11.96	104	743312	51.712	ug/l	99
71) Bromoform	12.12	173	201164	48.449	ug/l #	100
73) Isopropylbenzene	12.25	105	1224720	48.314	ug/l	100
74) N-amyl acetate	12.07	43	515104	47.955	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	391190	45.315	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	349818m	44.091	ug/l	
77) Bromobenzene	12.52	156	295705	46.430	ug/l	98
78) n-propylbenzene	12.59	91	1441267	49.656	ug/l	100
79) 2-Chlorotoluene	12.67	91	847087	47.046	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1040576	48.445	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	141602	47.141	ug/l	98
82) 4-Chlorotoluene	12.77	91	876017	48.508	ug/l	99
83) tert-Butylbenzene	12.99	119	865822	46.676	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1045623	50.315	ug/l	98
85) sec-Butylbenzene	13.17	105	1176703	48.777	ug/l	100
86) p-Isopropyltoluene	13.29	119	1072045	50.328	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	527340	48.353	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	523376	47.964	ug/l	99
89) n-Butylbenzene	13.62	91	930262	49.897	ug/l	99
90) Hexachloroethane	13.88	117	192530	45.012	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	519866	48.457	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73304	42.566	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	287883	44.580	ug/l	99
94) Hexachlorobutadiene	15.01	225	166647	45.050	ug/l	99
95) Naphthalene	15.13	128	758352	42.481	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	283764	47.197	ug/l	100

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

