

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022520\
 Data File : VN060219.D
 Acq On : 25 Feb 2020 8:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/26/2020 10:45:00 AM

Quant Time: Feb 25 15:57:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	297934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	281842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112309	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
35) Dibromofluoromethane	7.56	113	89928	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	10.08	98	348209	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.40	95	133023	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	94522	49.187	ug/l	98
3) Chloromethane	2.04	50	104085	45.514	ug/l	100
4) Vinyl Chloride	2.17	62	121938	46.779	ug/l	98
5) Bromomethane	2.54	94	74676	46.721	ug/l	98
6) Chloroethane	2.68	64	63640	48.270	ug/l	99
7) Trichlorofluoromethane	3.00	101	165811	49.337	ug/l	99
8) Diethyl Ether	3.38	74	57691	51.569	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95671	51.274	ug/l	99
10) Methyl Iodide	3.93	142	126111	50.277	ug/l	99
11) Tert butyl alcohol	4.73	59	78521	224.296	ug/l	99
12) 1,1-Dichloroethene	3.72	96	90491	49.784	ug/l	99
13) Acrolein	3.58	56	75199	217.319	ug/l	95
14) Allyl chloride	4.29	41	132096	49.375	ug/l	98
15) Acrylonitrile	4.94	53	222019	259.690	ug/l	100
16) Acetone	3.78	43	275875	270.352	ug/l	98
17) Carbon Disulfide	4.03	76	247387	45.154	ug/l	100
18) Methyl Acetate	4.29	43	103820	54.161	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	312012	51.043	ug/l	99
20) Methylene Chloride	4.52	84	102371	50.285	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	99208	50.069	ug/l	99
22) Diisopropyl ether	5.91	45	306995	52.359	ug/l	97
23) Vinyl Acetate	5.86	43	1287086	261.401	ug/l	99
24) 1,1-Dichloroethane	5.82	63	182377	51.346	ug/l	99
25) 2-Butanone	6.80	43	343616	267.745	ug/l	98
26) 2,2-Dichloropropane	6.79	77	174379	51.688	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	117188	50.537	ug/l	99
28) Bromochloromethane	7.17	49	69820	50.001	ug/l	99
29) Tetrahydrofuran	7.18	42	196247	249.258	ug/l	98
30) Chloroform	7.35	83	193454	51.994	ug/l	100
31) Cyclohexane	7.63	56	160286	48.444	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	176220	51.828	ug/l	100
36) 1,1-Dichloropropene	7.77	75	143227	51.902	ug/l	99
37) Ethyl Acetate	6.89	43	128606	51.566	ug/l	99
38) Carbon Tetrachloride	7.75	117	153879	51.344	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	175890	51.346	ug/l	98
40) Benzene	8.02	78	421112	51.443	ug/l	100
41) Methacrylonitrile	7.14	41	61016m	58.337	ug/l	
42) 1,2-Dichloroethane	8.10	62	152056	52.999	ug/l	99
43) Isopropyl Acetate	8.14	43	223772	52.487	ug/l	100
44) Trichloroethene	8.82	130	116397	51.352	ug/l	98
45) 1,2-Dichloropropane	9.10	63	109909	54.232	ug/l	100
46) Dibromomethane	9.19	93	75993	53.061	ug/l	100
47) Bromodichloromethane	9.39	83	157340	54.037	ug/l	97
48) Methyl methacrylate	9.18	41	100404	52.490	ug/l	99
49) 1,4-Dioxane	9.18	88	32031	980.070	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	657914	266.610	ug/l	100
52) Toluene	10.14	92	278027	52.964	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	178464	54.300	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	185945	53.728	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	108610	53.034	ug/l	99
56) Ethyl methacrylate	10.42	69	160423	55.375	ug/l	99
57) 1,3-Dichloropropane	10.70	76	177847	52.630	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	316582	234.568	ug/l	99
59) 2-Hexanone	10.74	43	523396	274.571	ug/l	99
60) Dibromochloromethane	10.89	129	128056	54.490	ug/l	99
61) 1,2-Dibromoethane	11.00	107	115493	53.798	ug/l	100
64) Tetrachloroethene	10.62	164	110319	51.490	ug/l	99
65) Chlorobenzene	11.43	112	300919	52.406	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	116929	53.829	ug/l	100
67) Ethyl Benzene	11.51	91	553090	53.406	ug/l	100
68) m/p-Xylenes	11.62	106	416781	107.228	ug/l	100
69) o-Xylene	11.94	106	199603	53.335	ug/l	99
70) Styrene	11.96	104	333184	55.209	ug/l	100
71) Bromoform	12.12	173	96485	55.225	ug/l #	98
73) Isopropylbenzene	12.25	105	549686	50.046	ug/l	99
74) N-amyl acetate	12.07	43	205526	51.892	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	160171	50.663	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	131927m	46.881	ug/l	
77) Bromobenzene	12.52	156	136505	50.079	ug/l	99
78) n-propylbenzene	12.59	91	640860	51.211	ug/l	100
79) 2-Chlorotoluene	12.67	91	369632	50.253	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	469244	51.382	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59105	51.426	ug/l	100
82) 4-Chlorotoluene	12.77	91	388932	51.539	ug/l	99
83) tert-Butylbenzene	12.99	119	399598	49.463	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	468487	51.968	ug/l	100
85) sec-Butylbenzene	13.17	105	545641	50.999	ug/l	100
86) p-Isopropyltoluene	13.29	119	504550	52.049	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	253152	52.467	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	251490	52.132	ug/l	99
89) n-Butylbenzene	13.61	91	454740	53.334	ug/l	100
90) Hexachloroethane	13.87	117	92788	51.237	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	243567	51.582	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32469	48.275	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	149576	53.911	ug/l	100
94) Hexachlorobutadiene	15.01	225	84197	51.837	ug/l	99
95) Naphthalene	15.13	128	375813	50.144	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	142050	51.412	ug/l	99

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

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