

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080720\
 Data File : VN062794.D
 Acq On : 7 Aug 2020 21:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/10/2020 12:24:40 PM

Quant Time: Aug 08 03:13:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	171098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	281742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	263058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	131199	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	129439	45.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.50%	
35) Dibromofluoromethane	7.55	113	90252	46.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.66%	
50) Toluene-d8	10.06	98	349388	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	
62) 4-Bromofluorobenzene	12.38	95	128683	45.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	128503	52.449	ug/l	100
3) Chloromethane	2.04	50	132347	57.243	ug/l	100
4) Vinyl Chloride	2.16	62	124055	57.207	ug/l	98
5) Bromomethane	2.50	94	69357	48.315	ug/l	99
6) Chloroethane	2.65	64	73135	51.265	ug/l	97
7) Trichlorofluoromethane	2.97	101	183980	47.579	ug/l	98
8) Diethyl Ether	3.37	74	53231	48.087	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	80589	51.706	ug/l	98
10) Methyl Iodide	3.91	142	101591	54.205	ug/l	95
11) Tert butyl alcohol	4.74	59	98563	212.541	ug/l	98
12) 1,1-Dichloroethene	3.69	96	71923	49.345	ug/l	100
13) Acrolein	3.57	56	63883	227.522	ug/l	100
14) Allyl chloride	4.27	41	136243	45.482	ug/l	96
15) Acrylonitrile	4.93	53	267081	248.312	ug/l	99
16) Acetone	3.78	43	221588	216.738	ug/l	98
17) Carbon Disulfide	4.00	76	201710	48.734	ug/l	97
18) Methyl Acetate	4.28	43	125121	51.784	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	324820	49.000	ug/l	99
20) Methylene Chloride	4.50	84	92577	49.472	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	80099	46.781	ug/l	98
22) Diisopropyl ether	5.90	45	326644	51.223	ug/l	97
23) Vinyl Acetate	5.84	43	1138857	234.796	ug/l	99
24) 1,1-Dichloroethane	5.80	63	176746	47.296	ug/l	99
25) 2-Butanone	6.79	43	344720	238.066	ug/l	99
26) 2,2-Dichloropropane	6.77	77	117285	34.048	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	97640	47.538	ug/l	94
28) Bromochloromethane	7.15	49	85048	47.155	ug/l	97
29) Tetrahydrofuran	7.17	42	225698	239.921	ug/l	100
30) Chloroform	7.33	83	185386	46.679	ug/l	98
31) Cyclohexane	7.61	56	165453	48.231	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	162254	45.695	ug/l	97
36) 1,1-Dichloropropene	7.75	75	126270	46.028	ug/l	99
37) Ethyl Acetate	6.88	43	129723	45.267	ug/l	99
38) Carbon Tetrachloride	7.73	117	140411	43.276	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	160955	48.753	ug/l	97
40) Benzene	8.00	78	374419	45.738	ug/l	100
41) Methacrylonitrile	7.13	41	55931m	43.252	ug/l	
42) 1,2-Dichloroethane	8.09	62	156122	44.808	ug/l	99
43) Isopropyl Acetate	8.13	43	223347	46.726	ug/l #	91
44) Trichloroethene	8.80	130	90679	45.466	ug/l	96
45) 1,2-Dichloropropane	9.08	63	106995	48.292	ug/l	97
46) Dibromomethane	9.17	93	68963	47.505	ug/l	99
47) Bromodichloromethane	9.37	83	155300	47.632	ug/l	99
48) Methyl methacrylate	9.17	41	110195	46.870	ug/l	99
49) 1,4-Dioxane	9.17	88	39570	908.323	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	739716	239.184	ug/l	100
52) Toluene	10.12	92	238476	47.182	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	159705	44.531	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	165539	45.973	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	99558	46.120	ug/l	98
56) Ethyl methacrylate	10.40	69	160781	49.482	ug/l	98
57) 1,3-Dichloropropane	10.68	76	175475	47.841	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	221981	241.692	ug/l	100
59) 2-Hexanone	10.72	43	546768	237.009	ug/l	100
60) Dibromochloromethane	10.88	129	118527	48.114	ug/l	98
61) 1,2-Dibromoethane	10.98	107	99712	46.811	ug/l	99
64) Tetrachloroethene	10.60	164	78412	46.199	ug/l	98
65) Chlorobenzene	11.41	112	257855	46.892	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	106192	48.089	ug/l	97
67) Ethyl Benzene	11.49	91	477955	48.571	ug/l	98
68) m/p-Xylenes	11.60	106	352647	98.725	ug/l	98
69) o-Xylene	11.92	106	168640	50.379	ug/l	98
70) Styrene	11.94	104	304811	51.803	ug/l	97
71) Bromoform	12.10	173	84741	46.902	ug/l #	100
73) Isopropylbenzene	12.23	105	471824	47.759	ug/l	99
74) N-amyl acetate	12.05	43	199922	49.936	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	157891	45.400	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	153501m	43.383	ug/l	
77) Bromobenzene	12.50	156	113924	46.411	ug/l	95
78) n-propylbenzene	12.57	91	552805	47.669	ug/l	100
79) 2-Chlorotoluene	12.65	91	337417	46.398	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	424947	49.581	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	51418	44.362	ug/l	99
82) 4-Chlorotoluene	12.75	91	358577	47.847	ug/l	99
83) tert-Butylbenzene	12.97	119	354090	48.825	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	415867	50.719	ug/l	100
85) sec-Butylbenzene	13.15	105	466138	48.945	ug/l	100
86) p-Isopropyltoluene	13.26	119	419161	49.584	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	205679	46.903	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	205461	46.714	ug/l	98
89) n-Butylbenzene	13.59	91	340980	47.692	ug/l	100
90) Hexachloroethane	13.85	117	82630	45.347	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	202782	49.324	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	34516	46.230	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	93582	42.890	ug/l	97
94) Hexachlorobutadiene	14.99	225	61930	47.791	ug/l	99
95) Naphthalene	15.10	128	244851	41.294	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	95543	44.238	ug/l	100

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

