

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091420\
 Data File : VN063331.D
 Acq On : 14 Sep 2020 9:58
 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
 9/15/2020 1:58:50 PM

Quant Time: Sep 15 05:19:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 11 06:02:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	489221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	836382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	767354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	373586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	378734	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	7.55	113	281071	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.06	98	1097081	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
62) 4-Bromofluorobenzene	12.38	95	414382	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	213669	45.476	ug/l	99
3) Chloromethane	2.03	50	295589	47.949	ug/l	97
4) Vinyl Chloride	2.16	62	309126	46.503	ug/l	98
5) Bromomethane	2.53	94	202324	43.625	ug/l	97
6) Chloroethane	2.67	64	195695	45.004	ug/l	96
7) Trichlorofluoromethane	2.98	101	470019	45.724	ug/l	100
8) Diethyl Ether	3.37	74	164267	44.816	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	250461	46.636	ug/l	99
10) Methyl Iodide	3.91	142	330532	47.477	ug/l	100
11) Tert butyl alcohol	4.73	59	239619	235.791	ug/l	98
12) 1,1-Dichloroethene	3.69	96	243788	45.474	ug/l	97
13) Acrolein	3.56	56	159270	282.630	ug/l	97
14) Allyl chloride	4.27	41	482957	43.884	ug/l	97
15) Acrylonitrile	4.92	53	650869	234.248	ug/l	99
16) Acetone	3.77	43	698063	263.012	ug/l	100
17) Carbon Disulfide	4.01	76	707949	46.608	ug/l	99
18) Methyl Acetate	4.27	43	301299	45.159	ug/l	100
19) Methyl tert-butyl Ether	4.98	73	890227	46.471	ug/l	99
20) Methylene Chloride	4.50	84	290813	48.078	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	270374	45.066	ug/l	98
22) Diisopropyl ether	5.89	45	991058	45.759	ug/l	94
23) Vinyl Acetate	5.84	43	4154202	243.684	ug/l	99
24) 1,1-Dichloroethane	5.79	63	540895	46.117	ug/l	100
25) 2-Butanone	6.78	43	958080	244.370	ug/l	100
26) 2,2-Dichloropropane	6.78	77	492173	47.877	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	316880	45.321	ug/l	99
28) Bromochloromethane	7.14	49	271932	47.813	ug/l	99
29) Tetrahydrofuran	7.16	42	584063	228.787	ug/l	98
30) Chloroform	7.33	83	543073	46.245	ug/l	96
31) Cyclohexane	7.61	56	473805	43.950	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	480950	46.981	ug/l	99
36) 1,1-Dichloropropene	7.75	75	418947	48.731	ug/l	99
37) Ethyl Acetate	6.87	43	393066	46.474	ug/l	99
38) Carbon Tetrachloride	7.73	117	420001	49.638	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	451679	48.159	ug/l	99
40) Benzene	8.00	78	1189593	48.446	ug/l	99
41) Methacrylonitrile	7.12	41	177477	46.390	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	452473	48.568	ug/l	100
43) Isopropyl Acetate	8.12	43	691338	48.267	ug/l #	92
44) Trichloroethene	8.80	130	311525	48.513	ug/l	99
45) 1,2-Dichloropropane	9.08	63	323689	48.059	ug/l	98
46) Dibromomethane	9.17	93	212583	48.673	ug/l	97
47) Bromodichloromethane	9.37	83	446485	49.055	ug/l	97
48) Methyl methacrylate	9.16	41	323540	47.340	ug/l	99
49) 1,4-Dioxane	9.16	88	97915	925.328	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1970424	249.623	ug/l	100
52) Toluene	10.12	92	731821	48.814	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	503183	50.697	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	534911	50.054	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	282027	48.008	ug/l	99
56) Ethyl methacrylate	10.40	69	439363	49.182	ug/l	100
57) 1,3-Dichloropropane	10.68	76	502043	48.906	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	1054207	220.000	ug/l	100
59) 2-Hexanone	10.72	43	1527616	262.405	ug/l	100
60) Dibromochloromethane	10.87	129	329780	51.121	ug/l	99
61) 1,2-Dibromoethane	10.98	107	294311	48.056	ug/l	98
64) Tetrachloroethene	10.60	164	319674	50.854	ug/l	98
65) Chlorobenzene	11.41	112	785468	47.547	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	296866	49.323	ug/l	98
67) Ethyl Benzene	11.48	91	1463900	49.361	ug/l	99
68) m/p-Xylenes	11.59	106	1067925	97.347	ug/l	99
69) o-Xylene	11.92	106	513177	48.744	ug/l	100
70) Styrene	11.94	104	868281	49.623	ug/l	99
71) Bromoform	12.10	173	212250	50.985	ug/l #	100
73) Isopropylbenzene	12.23	105	1394706	46.284	ug/l	100
74) N-amyl acetate	12.05	43	612428	49.504	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	379165	43.936	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	379240m	46.014	ug/l	
77) Bromobenzene	12.50	156	319015	46.057	ug/l	100
78) n-propylbenzene	12.57	91	1636095	47.794	ug/l	100
79) 2-Chlorotoluene	12.65	91	968460	46.011	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	1190059	47.562	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	147188	47.983	ug/l	99
82) 4-Chlorotoluene	12.75	91	1020859	46.268	ug/l	100
83) tert-Butylbenzene	12.97	119	978576	46.115	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	1198740	47.531	ug/l	100
85) sec-Butylbenzene	13.15	105	1300823	48.183	ug/l	100
86) p-Isopropyltoluene	13.26	119	1184809	47.870	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	589540	46.557	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	591153	48.795	ug/l	99
89) n-Butylbenzene	13.59	91	1102264	49.334	ug/l	99
90) Hexachloroethane	13.85	117	215282	52.879	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	581580	46.469	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	88511	45.102	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	326728	44.600	ug/l	100
94) Hexachlorobutadiene	14.98	225	131440	49.769	ug/l	99
95) Naphthalene	15.10	128	1010159	45.830	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	305695	46.439	ug/l	98

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

