

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120720\
 Data File : VN064957.D
 Acq On : 7 Dec 2020 20:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/8/2020 5:04:16 PM

Quant Time: Dec 08 08:44:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	205102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	322722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	294055	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	140623	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	114846	48.16	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.32%
35) Dibromofluoromethane	7.55	113	98135	50.82	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	101.64%
50) Toluene-d8	10.06	98	381162	48.31	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.62%
62) 4-Bromofluorobenzene	12.37	95	138199	48.94	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.88%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	67450	37.945	ug/l	97
3) Chloromethane	2.04	50	93211	40.352	ug/l	99
4) Vinyl Chloride	2.16	62	99097	41.148	ug/l	96
5) Bromomethane	2.52	94	63373	40.108	ug/l	100
6) Chloroethane	2.67	64	62999	42.294	ug/l	97
7) Trichlorofluoromethane	2.99	101	144184	43.311	ug/l	97
8) Diethyl Ether	3.37	74	59954	45.625	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	86499	43.314	ug/l	99
10) Methyl Iodide	3.91	142	106740	41.207	ug/l	98
11) Tert butyl alcohol	4.75	59	80515	216.519	ug/l	100
12) 1,1-Dichloroethene	3.69	96	87347	43.918	ug/l	99
13) Acrolein	3.56	56	68375	301.028	ug/l	98
14) Allyl chloride	4.27	41	145981	44.502	ug/l	99
15) Acrylonitrile	4.93	53	239383	233.028	ug/l	100
16) Acetone	3.78	43	180125	229.800	ug/l	98
17) Carbon Disulfide	4.01	76	210072	40.909	ug/l	98
18) Methyl Acetate	4.28	43	114391	48.540	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	314001	49.226	ug/l	99
20) Methylene Chloride	4.50	84	108524	44.184	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	96740	43.801	ug/l	98
22) Diisopropyl ether	5.90	45	323114	49.211	ug/l	98
23) Vinyl Acetate	5.85	43	1278955	243.585	ug/l	99
24) 1,1-Dichloroethane	5.80	63	187368	47.750	ug/l	100
25) 2-Butanone	6.79	43	294670	231.908	ug/l	95
26) 2,2-Dichloropropane	6.78	77	147945	43.471	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	117046	47.095	ug/l	97
28) Bromochloromethane	7.15	49	81863	45.603	ug/l	94
29) Tetrahydrofuran	7.17	42	197222	224.855	ug/l	99
30) Chloroform	7.33	83	189760	46.894	ug/l	99
31) Cyclohexane	7.61	56	136291	41.010	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	162240	46.681	ug/l	98
36) 1,1-Dichloropropene	7.75	75	136974	45.791	ug/l	98
37) Ethyl Acetate	6.88	43	126742	43.986	ug/l	99
38) Carbon Tetrachloride	7.73	117	140239	45.057	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	131888	40.957	ug/l	98
40) Benzene	8.00	78	421396	45.972	ug/l	99
41) Methacrylonitrile	7.13	41	64206	48.291	ug/l	90
42) 1,2-Dichloroethane	8.08	62	141455	45.745	ug/l	99
43) Isopropyl Acetate	8.13	43	211687	45.656	ug/l	99
44) Trichloroethene	8.80	130	116784	43.180	ug/l	98
45) 1,2-Dichloropropane	9.08	63	115590	48.694	ug/l	95
46) Dibromomethane	9.17	93	75763	47.774	ug/l	97
47) Bromodichloromethane	9.37	83	149951	46.993	ug/l	99
48) Methyl methacrylate	9.17	41	104886	47.341	ug/l	98
49) 1,4-Dioxane	9.17	88	37562	897.026	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	643202	231.072	ug/l	100
52) Toluene	10.12	92	264660	46.884	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	165800	46.651	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	181801	47.723	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	109660	47.241	ug/l	97
56) Ethyl methacrylate	10.40	69	155559	48.562	ug/l	99
57) 1,3-Dichloropropane	10.68	76	182387	47.631	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	424429	240.873	ug/l	100
59) 2-Hexanone	10.72	43	461927	230.585	ug/l	100
60) Dibromochloromethane	10.87	129	123438	47.838	ug/l	100
61) 1,2-Dibromoethane	10.97	107	112556	47.726	ug/l	99
64) Tetrachloroethene	10.60	164	115991	40.544	ug/l	99
65) Chlorobenzene	11.41	112	295602	46.811	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	112016	48.268	ug/l	99
67) Ethyl Benzene	11.48	91	502759	47.658	ug/l	100
68) m/p-Xylenes	11.59	106	386811	96.848	ug/l	99
69) o-Xylene	11.92	106	187494	49.469	ug/l	100
70) Styrene	11.94	104	321283	50.214	ug/l	99
71) Bromoform	12.10	173	85020	45.869	ug/l #	99
73) Isopropylbenzene	12.22	105	488897	49.983	ug/l	100
74) N-amyl acetate	12.04	43	186149	48.359	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	143339	49.997	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	150795m	49.793	ug/l	
77) Bromobenzene	12.50	156	128524	48.738	ug/l	98
78) n-propylbenzene	12.56	91	545983	48.998	ug/l	98
79) 2-Chlorotoluene	12.65	91	328217	47.651	ug/l	97
80) 1,3,5-Trimethylbenzene	12.70	105	409247	50.337	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	51094	46.241	ug/l	97
82) 4-Chlorotoluene	12.75	91	347101	48.076	ug/l	99
83) tert-Butylbenzene	12.97	119	347889	51.050	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	425258	51.733	ug/l	100
85) sec-Butylbenzene	13.14	105	438625	48.477	ug/l	99
86) p-Isopropyltoluene	13.26	119	408782	49.624	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	221370	47.250	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	223773	45.163	ug/l	100
89) n-Butylbenzene	13.59	91	327102	45.216	ug/l	99
90) Hexachloroethane	13.85	117	70653	49.372	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	222322	48.328	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	28387	44.005	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	119112	41.856	ug/l	99
94) Hexachlorobutadiene	14.98	225	57981	45.280	ug/l	100
95) Naphthalene	15.10	128	369444	43.334	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	115826	43.029	ug/l	99

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

