

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021420\
 Data File : VN060098.D
 Acq On : 14 Feb 2020 9:29
 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
 2/18/2020 9:30:06 AM

Quant Time: Feb 15 02:48:20 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	199393	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	310077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	292494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148483	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	124068	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
35) Dibromofluoromethane	7.56	113	97410	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
50) Toluene-d8	10.08	98	385479	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.40	95	144317	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	97697	49.019	ug/l	99
3) Chloromethane	2.04	50	116648	49.181	ug/l	99
4) Vinyl Chloride	2.17	62	130266	48.185	ug/l	97
5) Bromomethane	2.54	94	77886	46.985	ug/l	96
6) Chloroethane	2.68	64	67186	49.134	ug/l	97
7) Trichlorofluoromethane	3.00	101	162126	46.514	ug/l	99
8) Diethyl Ether	3.38	74	56651	48.826	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.73	101	89898	46.455	ug/l	99
10) Methyl Iodide	3.93	142	121770	46.980	ug/l	99
11) Tert butyl alcohol	4.73	59	85998	236.857	ug/l	100
12) 1,1-Dichloroethene	3.71	96	89826	47.648	ug/l	99
13) Acrolein	3.57	56	74964	208.882	ug/l	96
14) Allyl chloride	4.29	41	138639	49.965	ug/l	94
15) Acrylonitrile	4.94	53	229903	259.283	ug/l	100
16) Acetone	3.78	43	293603	277.422	ug/l	98
17) Carbon Disulfide	4.03	76	267096	47.005	ug/l	99
18) Methyl Acetate	4.29	43	104174	52.399	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	303278	47.838	ug/l	98
20) Methylene Chloride	4.52	84	100181	47.447	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	97579	47.484	ug/l	97
22) Diisopropyl ether	5.91	45	311365	51.203	ug/l	98
23) Vinyl Acetate	5.86	43	1323786	259.227	ug/l	98
24) 1,1-Dichloroethane	5.82	63	179984	48.858	ug/l	99
25) 2-Butanone	6.80	43	369063	277.275	ug/l	95
26) 2,2-Dichloropropane	6.79	77	166359	47.545	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	112571	46.807	ug/l	98
28) Bromochloromethane	7.17	49	71003	49.027	ug/l	93
29) Tetrahydrofuran	7.18	42	206705	253.140	ug/l	96
30) Chloroform	7.35	83	183603	47.579	ug/l	98
31) Cyclohexane	7.63	56	166946	48.650	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	164918	46.767	ug/l	98
36) 1,1-Dichloropropene	7.77	75	140706	48.991	ug/l	98
37) Ethyl Acetate	6.89	43	131337	50.598	ug/l	99
38) Carbon Tetrachloride	7.75	117	147244	47.206	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	174873	49.050	ug/l	99
40) Benzene	8.02	78	413734	48.562	ug/l	99
41) Methacrylonitrile	7.15	41	59776m	54.913	ug/l	
42) 1,2-Dichloroethane	8.10	62	147277	49.323	ug/l	99
43) Isopropyl Acetate	8.14	43	227672	51.311	ug/l	99
44) Trichloroethene	8.82	130	109928	46.599	ug/l	94
45) 1,2-Dichloropropane	9.10	63	108008	51.207	ug/l	98
46) Dibromomethane	9.19	93	73230	49.130	ug/l	97
47) Bromodichloromethane	9.38	83	149721	49.407	ug/l	97
48) Methyl methacrylate	9.18	41	101066	50.767	ug/l	97
49) 1,4-Dioxane	9.18	88	34119	1003.075	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	670680	261.140	ug/l	100
52) Toluene	10.14	92	265676	48.629	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	172168	50.333	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	179857	49.934	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	101305	47.530	ug/l	98
56) Ethyl methacrylate	10.42	69	155206	51.476	ug/l	98
57) 1,3-Dichloropropane	10.70	76	173817	49.423	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	361410	257.296	ug/l	98
59) 2-Hexanone	10.74	43	549572	277.013	ug/l	99
60) Dibromochloromethane	10.89	129	117684	48.116	ug/l	98
61) 1,2-Dibromoethane	10.99	107	108422	48.526	ug/l	99
64) Tetrachloroethene	10.62	164	97695	43.937	ug/l	99
65) Chlorobenzene	11.42	112	284383	47.722	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	107204	47.555	ug/l	99
67) Ethyl Benzene	11.50	91	525862	48.928	ug/l	100
68) m/p-Xylenes	11.61	106	391941	97.165	ug/l	99
69) o-Xylene	11.94	106	188124	48.437	ug/l	99
70) Styrene	11.96	104	316340	50.509	ug/l	100
71) Bromoform	12.12	173	88456	48.785	ug/l #	98
73) Isopropylbenzene	12.24	105	513270	46.291	ug/l	100
74) N-amyl acetate	12.06	43	210067	52.539	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	155248	48.644	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	133241m	46.903	ug/l	
77) Bromobenzene	12.52	156	126440	45.950	ug/l	96
78) n-propylbenzene	12.59	91	602102	47.662	ug/l	99
79) 2-Chlorotoluene	12.67	91	346413	46.654	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	435976	47.290	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	58144	50.115	ug/l	99
82) 4-Chlorotoluene	12.77	91	362373	47.568	ug/l	99
83) tert-Butylbenzene	12.99	119	371834	45.594	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	436842	48.002	ug/l	100
85) sec-Butylbenzene	13.17	105	508888	47.116	ug/l	100
86) p-Isopropyltoluene	13.28	119	465478	47.567	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	229965	47.213	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	228839	46.991	ug/l	98
89) n-Butylbenzene	13.61	91	429051	49.848	ug/l	99
90) Hexachloroethane	13.87	117	85825	46.946	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	222598	46.698	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31780	46.782	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	138820	49.564	ug/l	100
94) Hexachlorobutadiene	15.01	225	75226	45.879	ug/l	100
95) Naphthalene	15.13	128	359778	47.553	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	130183	46.674	ug/l	99

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

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