

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040820\
 Data File : VN060908.D
 Acq On : 8 Apr 2020 17:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 4/9/2020 12:29:45 PM

Quant Time: Apr 09 09:22:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	189243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	316807	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	294849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	142988	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	127150	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	7.56	113	96156	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	10.08	98	380567	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
62) 4-Bromofluorobenzene	12.40	95	141791	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	75591	41.282	ug/l	100
3) Chloromethane	2.04	50	140384	41.049	ug/l	98
4) Vinyl Chloride	2.17	62	111627	41.732	ug/l	97
5) Bromomethane	2.54	94	54880	47.527	ug/l	100
6) Chloroethane	2.68	64	70990	46.072	ug/l	98
7) Trichlorofluoromethane	3.00	101	150952	45.811	ug/l	98
8) Diethyl Ether	3.38	74	64105	48.429	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	91026	47.675	ug/l	99
10) Methyl Iodide	3.93	142	75645	44.524	ug/l	99
11) Tert butyl alcohol	4.72	59	92562	242.268	ug/l	99
12) 1,1-Dichloroethene	3.72	96	92005	44.904	ug/l	99
13) Acrolein	3.57	56	87235	206.014	ug/l	97
14) Allyl chloride	4.29	41	168393	46.729	ug/l	98
15) Acrylonitrile	4.94	53	286877	255.343	ug/l	99
16) Acetone	3.78	43	230096	250.044	ug/l	98
17) Carbon Disulfide	4.03	76	252185	40.470	ug/l	100
18) Methyl Acetate	4.28	43	138725	53.558	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	335264	47.593	ug/l	96
20) Methylene Chloride	4.52	84	106810	47.184	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	98227	44.982	ug/l	94
22) Diisopropyl ether	5.91	45	387545	50.904	ug/l	97
23) Vinyl Acetate	5.86	43	1551371	249.746	ug/l	99
24) 1,1-Dichloroethane	5.82	63	202545	48.802	ug/l	99
25) 2-Butanone	6.80	43	374353	251.400	ug/l	99
26) 2,2-Dichloropropane	6.80	77	156976	48.072	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	117954	47.533	ug/l	99
28) Bromochloromethane	7.17	49	102849	51.794	ug/l	97
29) Tetrahydrofuran	7.18	42	255272	242.290	ug/l	98
30) Chloroform	7.35	83	193523	48.639	ug/l	99
31) Cyclohexane	7.63	56	187066	44.708	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	165365	48.211	ug/l	99
36) 1,1-Dichloropropene	7.77	75	144534	47.115	ug/l	99
37) Ethyl Acetate	6.89	43	159361	48.077	ug/l	99
38) Carbon Tetrachloride	7.75	117	130608	47.504	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	172950	47.441	ug/l	98
40) Benzene	8.02	78	438960	47.401	ug/l	99
41) Methacrylonitrile	7.14	41	81945	57.927	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	154106	48.694	ug/l	100
43) Isopropyl Acetate	8.14	43	271239	49.618	ug/l	99
44) Trichloroethene	8.82	130	111294	47.674	ug/l	100
45) 1,2-Dichloropropane	9.10	63	122906	50.298	ug/l	99
46) Dibromomethane	9.19	93	72483	49.065	ug/l	100
47) Bromodichloromethane	9.38	83	153886	50.129	ug/l	99
48) Methyl methacrylate	9.18	41	120968	49.702	ug/l	99
49) 1,4-Dioxane	9.18	88	32723	1131.134	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	796605	256.084	ug/l	99
52) Toluene	10.14	92	270101	48.295	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	175570	49.790	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	188798	48.805	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	105954	49.244	ug/l	99
56) Ethyl methacrylate	10.42	69	171996	51.268	ug/l	98
57) 1,3-Dichloropropane	10.70	76	186410	49.926	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	400696	240.312	ug/l	99
59) 2-Hexanone	10.74	43	578317	258.084	ug/l	99
60) Dibromochloromethane	10.89	129	112187	50.478	ug/l	99
61) 1,2-Dibromoethane	10.99	107	107958	49.898	ug/l	99
64) Tetrachloroethene	10.62	164	101078	43.564	ug/l	98
65) Chlorobenzene	11.43	112	277286	47.439	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	102525	48.445	ug/l	99
67) Ethyl Benzene	11.50	91	521225	47.951	ug/l	100
68) m/p-Xylenes	11.62	106	378430	93.687	ug/l	98
69) o-Xylene	11.94	106	183410	47.565	ug/l	98
70) Styrene	11.96	104	308576	48.930	ug/l	99
71) Bromoform	12.12	173	81789	46.617	ug/l #	100
73) Isopropylbenzene	12.25	105	501430	46.729	ug/l	99
74) N-amyl acetate	12.06	43	233862	47.164	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	156707	48.291	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	128639m	41.693	ug/l	
77) Bromobenzene	12.52	156	119422	46.185	ug/l	100
78) n-propylbenzene	12.59	91	593407	46.807	ug/l	99
79) 2-Chlorotoluene	12.67	91	345630	45.629	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	421399	46.275	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	55216	45.962	ug/l	99
82) 4-Chlorotoluene	12.77	91	355248	46.047	ug/l	100
83) tert-Butylbenzene	12.99	119	357463	47.353	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	424598	47.131	ug/l	100
85) sec-Butylbenzene	13.17	105	488448	48.118	ug/l	100
86) p-Isopropyltoluene	13.28	119	434470	47.597	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	214845	47.110	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	215490	47.031	ug/l	100
89) n-Butylbenzene	13.61	91	409564	49.697	ug/l	100
90) Hexachloroethane	13.87	117	69279	52.214	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	208434	47.798	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31131	45.779	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	131908	49.259	ug/l	99
94) Hexachlorobutadiene	15.01	225	67802	51.649	ug/l	97
95) Naphthalene	15.13	128	373765	46.405	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	124066	47.037	ug/l	99

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

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