

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120519\
 Data File : VN059491.D
 Acq On : 5 Dec 2019 11:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/6/2019 2:54:40 PM

Quant Time: Dec 06 00:36:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 16:37:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	381278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	598055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	538852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	255627	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	247858	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
35) Dibromofluoromethane	7.56	113	195403	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
50) Toluene-d8	10.08	98	766922	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.40	95	273021	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	173785	40.959	ug/l	99
3) Chloromethane	2.04	50	241787	42.518	ug/l	98
4) Vinyl Chloride	2.17	62	222658	65.250	ug/l	99
5) Bromomethane	2.55	94	84981	40.980	ug/l	100
6) Chloroethane	2.68	64	82067	40.735	ug/l	99
7) Trichlorofluoromethane	3.00	101	172378	41.827	ug/l	97
8) Diethyl Ether	3.39	74	114546	42.659	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	173404	42.862	ug/l	99
10) Methyl Iodide	3.93	142	223443	43.619	ug/l	99
11) Tert butyl alcohol	4.76	59	177068	198.387	ug/l	99
12) 1,1-Dichloroethene	3.71	96	168102	42.507	ug/l	98
13) Acrolein	3.58	56	152311	196.630	ug/l	98
14) Allyl chloride	4.29	41	331913	42.613	ug/l	98
15) Acrylonitrile	4.95	53	508422	210.557	ug/l	100
16) Acetone	3.79	43	580873	218.963	ug/l	100
17) Carbon Disulfide	4.03	76	544580	40.358	ug/l	99
18) Methyl Acetate	4.29	43	260404	40.840	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	594113	44.079	ug/l	99
20) Methylene Chloride	4.52	84	196238	43.839	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	189572	42.842	ug/l	98
22) Diisopropyl ether	5.92	45	655166	45.192	ug/l	99
23) Vinyl Acetate	5.86	43	2740119	235.544	ug/l	99
24) 1,1-Dichloroethane	5.82	63	367537	44.627	ug/l	99
25) 2-Butanone	6.81	43	740592	205.714	ug/l	99
26) 2,2-Dichloropropane	6.80	77	313235	43.974	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	212813	43.304	ug/l	99
28) Bromochloromethane	7.17	49	172047	53.615	ug/l	99
29) Tetrahydrofuran	7.18	42	466205	205.946	ug/l	99
30) Chloroform	7.35	83	348593	43.838	ug/l	100
31) Cyclohexane	7.63	56	337461	42.289	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	298547	43.197	ug/l	99
36) 1,1-Dichloropropene	7.77	75	275725	44.304	ug/l	100
37) Ethyl Acetate	6.90	43	286125	41.159	ug/l	99
38) Carbon Tetrachloride	7.75	117	268711	44.891	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	335286	44.767	ug/l	99
40) Benzene	8.02	78	809623	44.425	ug/l	99
41) Methacrylonitrile	7.15	41	128994	45.785	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	274489	44.339	ug/l	100
43) Isopropyl Acetate	8.14	43	458691	44.363	ug/l	99
44) Trichloroethene	8.82	130	204968	43.037	ug/l	99
45) 1,2-Dichloropropane	9.10	63	218159	44.806	ug/l	99
46) Dibromomethane	9.19	93	132377	43.669	ug/l	99
47) Bromodichloromethane	9.39	83	273544	45.004	ug/l	99
48) Methyl methacrylate	9.18	41	204715	43.886	ug/l	99
49) 1,4-Dioxane	9.19	88	62917	891.371	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	1385208	225.700	ug/l	99
52) Toluene	10.14	92	489115	44.375	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	321060	44.890	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	345982	45.639	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	189924	43.711	ug/l	98
56) Ethyl methacrylate	10.42	69	295392	42.225	ug/l	99
57) 1,3-Dichloropropane	10.70	76	333745	44.417	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	314503	138.610	ug/l	100
59) 2-Hexanone	10.74	43	1038112	224.757	ug/l	99
60) Dibromochloromethane	10.90	129	210107	45.288	ug/l	99
61) 1,2-Dibromoethane	11.00	107	198438	44.198	ug/l	99
64) Tetrachloroethene	10.62	164	190093	41.473	ug/l	99
65) Chlorobenzene	11.43	112	511035	43.381	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	193140	45.630	ug/l	99
67) Ethyl Benzene	11.51	91	942897	45.685	ug/l	99
68) m/p-Xylenes	11.62	106	695434	90.492	ug/l	98
69) o-Xylene	11.94	106	328841	44.945	ug/l	100
70) Styrene	11.96	104	538493	46.105	ug/l	99
71) Bromoform	12.12	173	149923	45.441	ug/l #	100
73) Isopropylbenzene	12.25	105	894010	43.609	ug/l	100
74) N-amyl acetate	12.07	43	363580	44.031	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	280761	42.696	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	267114m	42.026	ug/l	
77) Bromobenzene	12.52	156	213593	41.694	ug/l	99
78) n-propylbenzene	12.59	91	1055182	44.229	ug/l	100
79) 2-Chlorotoluene	12.67	91	613922	42.688	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	752763	43.939	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	105247	43.456	ug/l	99
82) 4-Chlorotoluene	12.77	91	636147	42.873	ug/l	100
83) tert-Butylbenzene	12.99	119	645582	43.404	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	745159	44.506	ug/l	99
85) sec-Butylbenzene	13.17	105	867937	44.029	ug/l	100
86) p-Isopropyltoluene	13.29	119	786755	44.537	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	383828	42.495	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	381724	41.905	ug/l	100
89) n-Butylbenzene	13.62	91	690458	43.625	ug/l	100
90) Hexachloroethane	13.88	117	145735	42.774	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	371537	42.908	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54424	40.106	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	221599	41.921	ug/l	100
94) Hexachlorobutadiene	15.01	225	135739	45.265	ug/l	99
95) Naphthalene	15.13	128	571098	39.739	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	223330	42.369	ug/l	98

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

