

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054130.D
 Acq On : 6 Mar 2019 21:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 11:39:37 AM

Quant Time: Mar 07 07:49:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	697916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1110377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	968984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	430595	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	402888	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
35) Dibromofluoromethane	7.59	113	351917	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.09	98	1336165	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.40	95	443508	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	298044	44.434	ug/l	97
3) Chloromethane	2.06	50	427094	50.902	ug/l	100
4) Vinyl Chloride	2.18	62	420639	46.286	ug/l	100
5) Bromomethane	2.57	94	243400	51.123	ug/l	98
6) Chloroethane	2.71	64	252899	45.912	ug/l	98
7) Trichlorofluoromethane	3.02	101	515837	46.460	ug/l	99
8) Diethyl Ether	3.41	74	209353	47.321	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	319072	44.174	ug/l	99
10) Methyl Iodide	3.95	142	452311	53.639	ug/l	100
11) Tert butyl alcohol	4.78	59	134261	263.295	ug/l	97
12) 1,1-Dichloroethene	3.74	96	314750	46.711	ug/l	100
13) Acrolein	3.60	56	158888	312.813	ug/l	98
14) Allyl chloride	4.32	41	596467	49.127	ug/l	99
15) Acrylonitrile	4.98	53	701065	243.574	ug/l	99
16) Acetone	3.81	43	484748	187.776	ug/l	99
17) Carbon Disulfide	4.05	76	951521	48.929	ug/l	100
18) Methyl Acetate	4.32	43	307511	50.671	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	946286	50.040	ug/l	99
20) Methylene Chloride	4.55	84	372158	50.931	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	341622	46.182	ug/l	99
22) Diisopropyl ether	5.95	45	1193409	50.448	ug/l	99
23) Vinyl Acetate	5.89	43	4310680	256.529	ug/l	100
24) 1,1-Dichloroethane	5.85	63	677981	47.902	ug/l	99
25) 2-Butanone	6.83	43	794859	231.420	ug/l	99
26) 2,2-Dichloropropane	6.82	77	456589	44.758	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	394274	47.798	ug/l	100
28) Bromochloromethane	7.19	49	351865	49.809	ug/l	98
29) Tetrahydrofuran	7.21	42	549810	244.222	ug/l	100
30) Chloroform	7.37	83	646694	47.686	ug/l	99
31) Cyclohexane	7.65	56	625325	49.711	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	537265	47.784	ug/l	99
36) 1,1-Dichloropropene	7.79	75	490634	47.076	ug/l	100
37) Ethyl Acetate	6.93	43	356559	47.545	ug/l	98
38) Carbon Tetrachloride	7.77	117	466886	46.925	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	572729	47.616	ug/l	99
40) Benzene	8.04	78	1511126	49.008	ug/l	100
41) Methacrylonitrile	7.17	41	196704	50.327	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	469989	48.118	ug/l	100
43) Isopropyl Acetate	8.16	43	620735	49.871	ug/l	99
44) Trichloroethene	8.83	130	388234	46.956	ug/l	96
45) 1,2-Dichloropropane	9.12	63	412383	48.487	ug/l	99
46) Dibromomethane	9.21	93	236544	48.721	ug/l	99
47) Bromodichloromethane	9.40	83	493533	48.561	ug/l	100
48) Methyl methacrylate	9.20	41	299808	52.278	ug/l	98
49) 1,4-Dioxane	9.20	88	77149	935.797	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1725148	259.279	ug/l	100
52) Toluene	10.16	92	901726	49.361	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	505937	50.471	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	595271	50.244	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	333889	48.537	ug/l	99
56) Ethyl methacrylate	10.43	69	438390	54.287	ug/l	99
57) 1,3-Dichloropropane	10.71	76	577269	49.183	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	970123	262.462	ug/l	99
59) 2-Hexanone	10.75	43	1084835	247.145	ug/l	98
60) Dibromochloromethane	10.90	129	365322	49.667	ug/l	100
61) 1,2-Dibromoethane	11.00	107	320931	49.031	ug/l	97
64) Tetrachloroethene	10.63	164	360195	45.295	ug/l	98
65) Chlorobenzene	11.43	112	962332	47.723	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	349804	48.460	ug/l	99
67) Ethyl Benzene	11.51	91	1657915	49.133	ug/l	99
68) m/p-Xylenes	11.62	106	1263594	99.231	ug/l	99
69) o-Xylene	11.95	106	615661	50.244	ug/l	99
70) Styrene	11.96	104	991743	50.987	ug/l	100
71) Bromoform	12.13	173	250814	50.486	ug/l #	100
73) Isopropylbenzene	12.25	105	1605120	46.849	ug/l	100
74) N-amyl acetate	12.07	43	490714	54.079	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	405019	51.315	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	344333m	46.923	ug/l	
77) Bromobenzene	12.53	156	414147	52.459	ug/l	99
78) n-propylbenzene	12.59	91	1853320	48.072	ug/l	99
79) 2-Chlorotoluene	12.67	91	1108687	47.349	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1348757	48.427	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	107017	50.082	ug/l	99
82) 4-Chlorotoluene	12.77	91	1109258	47.522	ug/l	100
83) tert-Butylbenzene	12.99	119	1188084	48.169	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1351652	48.896	ug/l	98
85) sec-Butylbenzene	13.17	105	1580300	47.213	ug/l	99
86) p-Isopropyltoluene	13.29	119	1355632	48.176	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	700536	46.722	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	678712	45.611	ug/l	99
89) n-Butylbenzene	13.61	91	1152221	48.498	ug/l	99
90) Hexachloroethane	13.88	117	240651	44.589	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	688766	51.025	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60477	48.378	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	347724	48.803	ug/l	99
94) Hexachlorobutadiene	15.01	225	213150	48.082	ug/l	100
95) Naphthalene	15.13	128	817813	50.449	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	335250	47.034	ug/l	99

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

