

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060319\
 Data File : VN055950.D
 Acq On : 3 Jun 2019 9:55
 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

MMDadoda
 6/4/2019 11:24:34 AM

Quant Time: Jun 03 17:12:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	322822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	470678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	422488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	197755	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	163253	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
35) Dibromofluoromethane	7.59	113	145279	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	10.09	98	552815	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	12.40	95	195964	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	100375	46.200	ug/l	99
3) Chloromethane	2.06	50	141548	46.500	ug/l	99
4) Vinyl Chloride	2.18	62	148648	45.783	ug/l	100
5) Bromomethane	2.53	94	121785m	59.956	ug/l	
6) Chloroethane	2.68	64	94971	48.584	ug/l	98
7) Trichlorofluoromethane	3.00	101	210730	49.506	ug/l	100
8) Diethyl Ether	3.40	74	91953	48.198	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	139667	52.563	ug/l	98
10) Methyl Iodide	3.94	142	201327	51.825	ug/l	99
11) Tert butyl alcohol	4.81	59	156256m	245.305	ug/l	
12) 1,1-Dichloroethene	3.72	96	133808	48.737	ug/l	97
13) Acrolein	3.60	56	116850	256.188	ug/l	98
14) Allyl chloride	4.31	41	233605	49.633	ug/l	98
15) Acrylonitrile	4.99	53	384328	262.755	ug/l	100
16) Acetone	3.82	43	407745	278.232	ug/l	100
17) Carbon Disulfide	4.04	76	307057	39.364	ug/l	100
18) Methyl Acetate	4.32	43	169459	57.057	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	470323	51.364	ug/l	99
20) Methylene Chloride	4.54	84	158739	50.016	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	145686	49.392	ug/l	98
22) Diisopropyl ether	5.95	45	479341	52.363	ug/l	99
23) Vinyl Acetate	5.89	43	1974353	251.552	ug/l	100
24) 1,1-Dichloroethane	5.84	63	270205	50.696	ug/l	100
25) 2-Butanone	6.84	43	546862	267.196	ug/l	99
26) 2,2-Dichloropropane	6.82	77	224722	48.718	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	177688	51.635	ug/l	99
28) Bromochloromethane	7.19	49	127582	50.276	ug/l	98
29) Tetrahydrofuran	7.21	42	330714	255.161	ug/l	100
30) Chloroform	7.37	83	273292	51.415	ug/l	98
31) Cyclohexane	7.65	56	241493	48.260	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	230627	48.622	ug/l	100
36) 1,1-Dichloropropene	7.79	75	203884	49.707	ug/l	99
37) Ethyl Acetate	6.93	43	203302	51.282	ug/l	99
38) Carbon Tetrachloride	7.77	117	196280	45.940	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	257609	50.717	ug/l	99
40) Benzene	8.04	78	632524	51.167	ug/l	100
41) Methacrylonitrile	7.17	41	90305	45.089	ug/l	89
42) 1,2-Dichloroethane	8.12	62	202570	50.148	ug/l	100
43) Isopropyl Acetate	8.16	43	328646	49.340	ug/l	100
44) Trichloroethene	8.83	130	179358	52.044	ug/l	99
45) 1,2-Dichloropropane	9.12	63	170080	52.807	ug/l	99
46) Dibromomethane	9.20	93	109902	52.031	ug/l	99
47) Bromodichloromethane	9.40	83	212945	49.165	ug/l	98
48) Methyl methacrylate	9.20	41	158311	51.570	ug/l	98
49) 1,4-Dioxane	9.20	88	68449	1072.985	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	1025649	260.722	ug/l	100
52) Toluene	10.15	92	402060	51.713	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	232491	50.287	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	259934	50.752	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	164356	52.769	ug/l	99
56) Ethyl methacrylate	10.43	69	247351	51.386	ug/l	98
57) 1,3-Dichloropropane	10.71	76	267749	52.886	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	437422	237.785	ug/l	99
59) 2-Hexanone	10.75	43	736318	263.845	ug/l	99
60) Dibromochloromethane	10.90	129	175283	48.309	ug/l	98
61) 1,2-Dibromoethane	11.00	107	169676	52.520	ug/l	100
64) Tetrachloroethene	10.63	164	178012	49.956	ug/l	99
65) Chlorobenzene	11.43	112	434032	51.318	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	161651	47.922	ug/l	99
67) Ethyl Benzene	11.51	91	773741	51.014	ug/l	99
68) m/p-Xylenes	11.62	106	592782	103.382	ug/l	99
69) o-Xylene	11.95	106	290698	51.100	ug/l	99
70) Styrene	11.96	104	488942	53.074	ug/l	100
71) Bromoform	12.13	173	129196	44.903	ug/l #	99
73) Isopropylbenzene	12.25	105	774309	55.328	ug/l	100
74) N-amyl acetate	12.07	43	278027	52.010	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	231232	55.891	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	187188m	55.306	ug/l	
77) Bromobenzene	12.53	156	204730	48.515	ug/l	99
78) n-propylbenzene	12.59	91	858332	49.939	ug/l	100
79) 2-Chlorotoluene	12.67	91	512029	55.592	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	647770	54.961	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	65233	44.383	ug/l	94
82) 4-Chlorotoluene	12.77	91	503136	49.799	ug/l	99
83) tert-Butylbenzene	12.99	119	572941	56.363	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	643184	54.626	ug/l	100
85) sec-Butylbenzene	13.17	105	759893	57.433	ug/l	99
86) p-Isopropyltoluene	13.29	119	691123	50.325	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	346801	51.901	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	332368	52.318	ug/l	100
89) n-Butylbenzene	13.61	91	549197	52.192	ug/l	99
90) Hexachloroethane	13.87	117	112633	43.088	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	336888	50.534	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37488	42.783	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	182567	47.773	ug/l	99
94) Hexachlorobutadiene	15.01	225	129545	55.414	ug/l	99
95) Naphthalene	15.13	128	468036	51.163	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	189149	53.674	ug/l	100

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

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