

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055537.D
 Acq On : 10 May 2019 8:53
 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
 5/11/2019 1:16:19 PM

Quant Time: May 11 01:12:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	762821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1263874	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1098912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	465785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	529649	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
35) Dibromofluoromethane	7.59	113	407416	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	10.09	98	1627948	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.40	95	552582	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	345692	44.511	ug/l	100
3) Chloromethane	2.06	50	531453	42.121	ug/l	99
4) Vinyl Chloride	2.19	62	530349	44.528	ug/l	100
5) Bromomethane	2.54	94	301951	46.271	ug/l	99
6) Chloroethane	2.69	64	325797	46.962	ug/l	98
7) Trichlorofluoromethane	3.01	101	615318	47.093	ug/l	100
8) Diethyl Ether	3.41	74	268236	45.711	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	400725	48.204	ug/l	99
10) Methyl Iodide	3.95	142	515074	45.842	ug/l	100
11) Tert butyl alcohol	4.81	59	327306	193.004	ug/l	100
12) 1,1-Dichloroethene	3.73	96	385163	46.198	ug/l	96
13) Acrolein	3.61	56	242332	214.410	ug/l	98
14) Allyl chloride	4.32	41	776410	45.462	ug/l	99
15) Acrylonitrile	4.99	53	1111697	211.705	ug/l	100
16) Acetone	3.82	43	1352479	254.314	ug/l	98
17) Carbon Disulfide	4.05	76	1061589	46.654	ug/l	99
18) Methyl Acetate	4.33	43	455829	40.637	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1268031	45.772	ug/l	97
20) Methylene Chloride	4.54	84	474720	43.654	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	426879	47.225	ug/l	95
22) Diisopropyl ether	5.96	45	1615432	46.547	ug/l	99
23) Vinyl Acetate	5.90	43	6280852	234.014	ug/l	100
24) 1,1-Dichloroethane	5.85	63	865103	46.177	ug/l	99
25) 2-Butanone	6.84	43	1677371	228.326	ug/l	97
26) 2,2-Dichloropropane	6.82	77	586638	50.231	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	491560	47.054	ug/l	100
28) Bromochloromethane	7.19	49	448267	46.074	ug/l	98
29) Tetrahydrofuran	7.22	42	995883	205.059	ug/l	100
30) Chloroform	7.37	83	801797	46.295	ug/l	98
31) Cyclohexane	7.65	56	822357	44.365	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	631222	47.860	ug/l	100
36) 1,1-Dichloropropene	7.79	75	624774	50.177	ug/l	99
37) Ethyl Acetate	6.93	43	602972	44.394	ug/l	99
38) Carbon Tetrachloride	7.77	117	515457	49.163	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	761146	50.137	ug/l	98
40) Benzene	8.04	78	1900552	49.181	ug/l	99
41) Methacrylonitrile	7.17	41	300616	47.686	ug/l	97
42) 1,2-Dichloroethane	8.12	62	637868	46.983	ug/l	100
43) Isopropyl Acetate	8.17	43	958442	46.448	ug/l	98
44) Trichloroethene	8.83	130	461175	50.155	ug/l	98
45) 1,2-Dichloropropane	9.12	63	537730	48.633	ug/l	98
46) Dibromomethane	9.21	93	308869	48.193	ug/l	99
47) Bromodichloromethane	9.40	83	613574	50.043	ug/l	100
48) Methyl methacrylate	9.20	41	457911	46.058	ug/l	98
49) 1,4-Dioxane	9.20	88	167574	864.793	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2967204	218.639	ug/l	99
52) Toluene	10.15	92	1111927	50.331	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	623150	52.918	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	750276	53.320	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	435829	48.690	ug/l	98
56) Ethyl methacrylate	10.43	69	644352	48.396	ug/l	98
57) 1,3-Dichloropropane	10.71	76	780182	49.095	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	829748	188.375	ug/l	100
59) 2-Hexanone	10.75	43	2162958	227.260	ug/l	99
60) Dibromochloromethane	10.90	129	422879	51.961	ug/l	100
61) 1,2-Dibromoethane	11.00	107	425105	49.429	ug/l	98
64) Tetrachloroethene	10.63	164	437932	48.635	ug/l	99
65) Chlorobenzene	11.43	112	1134841	50.195	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	403373	51.825	ug/l	100
67) Ethyl Benzene	11.51	91	2120775	49.945	ug/l	99
68) m/p-Xylenes	11.62	106	1557505	102.209	ug/l	99
69) o-Xylene	11.95	106	758303	50.629	ug/l	99
70) Styrene	11.96	104	1267449	52.820	ug/l	100
71) Bromoform	12.13	173	272192	51.824	ug/l #	100
73) Isopropylbenzene	12.25	105	2018693	52.696	ug/l	100
74) N-amyl acetate	12.07	43	776019	43.883	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	605444	48.405	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	525461m	41.439	ug/l	
77) Bromobenzene	12.53	156	466107	45.407	ug/l	96
78) n-propylbenzene	12.59	91	2325349	46.546	ug/l	100
79) 2-Chlorotoluene	12.67	91	1394763	44.798	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1732999	46.522	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	157024	45.693	ug/l	97
82) 4-Chlorotoluene	12.77	91	1374982	46.738	ug/l	98
83) tert-Butylbenzene	12.99	119	1430381	44.797	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1651750	48.347	ug/l	99
85) sec-Butylbenzene	13.17	105	1948707	45.922	ug/l	99
86) p-Isopropyltoluene	13.29	119	1671695	48.405	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	795208	50.134	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	761566	48.651	ug/l	99
89) n-Butylbenzene	13.61	91	1342043	50.133	ug/l	100
90) Hexachloroethane	13.87	117	256537	45.537	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	773822	48.813	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91711	42.818	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	309131	45.120	ug/l	98
94) Hexachlorobutadiene	15.01	225	253264	54.181	ug/l	99
95) Naphthalene	15.13	128	761967	39.868	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	326225	43.953	ug/l	98

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

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