

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055888.D
 Acq On : 30 May 2019 9:54
 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
 5/31/2019 9:38:09 AM

Quant Time: May 30 17:36:45 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	333866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	491086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	435115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	196872	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	169690	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.59	113	150899	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	10.09	98	575202	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.40	95	200590	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	101993	45.392	ug/l	98
3) Chloromethane	2.06	50	141787	45.038	ug/l	98
4) Vinyl Chloride	2.18	62	153693	45.771	ug/l	100
5) Bromomethane	2.53	94	111687m	53.166	ug/l	
6) Chloroethane	2.69	64	97065	48.013	ug/l	98
7) Trichlorofluoromethane	3.01	101	213558	48.511	ug/l	99
8) Diethyl Ether	3.40	74	94256	47.771	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	138785	50.504	ug/l	98
10) Methyl Iodide	3.94	142	196934	49.017	ug/l	100
11) Tert butyl alcohol	4.81	59	160037	242.930	ug/l	99
12) 1,1-Dichloroethene	3.72	96	134325	47.307	ug/l	98
13) Acrolein	3.60	56	95315	202.061	ug/l	98
14) Allyl chloride	4.31	41	233045	47.876	ug/l	99
15) Acrylonitrile	4.99	53	371640	245.675	ug/l	100
16) Acetone	3.82	43	399057	263.296	ug/l	98
17) Carbon Disulfide	4.04	76	329733	40.873	ug/l	99
18) Methyl Acetate	4.33	43	159301	51.745	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	462556	48.845	ug/l	99
20) Methylene Chloride	4.54	84	156155	47.574	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	144222	47.278	ug/l	98
22) Diisopropyl ether	5.95	45	475598	50.235	ug/l	99
23) Vinyl Acetate	5.89	43	1995114	245.789	ug/l	99
24) 1,1-Dichloroethane	5.84	63	268839	48.772	ug/l	100
25) 2-Butanone	6.84	43	532444	251.546	ug/l	100
26) 2,2-Dichloropropane	6.82	77	229396	48.086	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	174353	48.990	ug/l	98
28) Bromochloromethane	7.19	49	131745	50.199	ug/l	98
29) Tetrahydrofuran	7.21	42	327503	244.325	ug/l	99
30) Chloroform	7.37	83	273103	49.680	ug/l	99
31) Cyclohexane	7.65	56	246827	47.694	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	234264	47.755	ug/l	99
36) 1,1-Dichloropropene	7.79	75	202772	47.381	ug/l	99
37) Ethyl Acetate	6.93	43	202191	48.883	ug/l	98
38) Carbon Tetrachloride	7.77	117	199399	44.730	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	259299	48.929	ug/l	99
40) Benzene	8.04	78	630941	48.918	ug/l	99
41) Methacrylonitrile	7.17	41	93280	44.639	ug/l	94
42) 1,2-Dichloroethane	8.12	62	204811	48.596	ug/l	100
43) Isopropyl Acetate	8.17	43	332105	47.787	ug/l #	91
44) Trichloroethene	8.83	130	175233	48.734	ug/l	97
45) 1,2-Dichloropropane	9.12	63	168305	50.084	ug/l	100
46) Dibromomethane	9.21	93	107841	48.933	ug/l	97
47) Bromodichloromethane	9.40	83	216910	48.000	ug/l	97
48) Methyl methacrylate	9.20	41	161540	50.435	ug/l	98
49) 1,4-Dioxane	9.20	88	63965	961.026	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1013184	246.850	ug/l	100
52) Toluene	10.15	92	403136	49.697	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	233446	48.396	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	260530	48.754	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	161287	49.631	ug/l	98
56) Ethyl methacrylate	10.43	69	249744	49.727	ug/l	99
57) 1,3-Dichloropropane	10.71	76	263656	49.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	433955	226.097	ug/l	99
59) 2-Hexanone	10.75	43	717070	246.269	ug/l	100
60) Dibromochloromethane	10.90	129	176614	46.653	ug/l	100
61) 1,2-Dibromoethane	11.00	107	164610	48.835	ug/l	98
64) Tetrachloroethene	10.63	164	172907	47.116	ug/l	99
65) Chlorobenzene	11.43	112	430630	49.438	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	161568	46.507	ug/l	100
67) Ethyl Benzene	11.51	91	774392	49.576	ug/l	99
68) m/p-Xylenes	11.62	106	587427	99.475	ug/l	100
69) o-Xylene	11.95	106	286322	48.870	ug/l	99
70) Styrene	11.96	104	482902	50.897	ug/l	99
71) Bromoform	12.13	173	127570	43.051	ug/l #	99
73) Isopropylbenzene	12.25	105	765912	54.956	ug/l	99
74) N-amyl acetate	12.07	43	272957	51.258	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	219497	53.128	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	174758m	51.656	ug/l	
77) Bromobenzene	12.53	156	197122	46.922	ug/l	99
78) n-propylbenzene	12.59	91	835142	48.808	ug/l	100
79) 2-Chlorotoluene	12.67	91	501691	54.671	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	630384	53.665	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	63794	43.599	ug/l	96
82) 4-Chlorotoluene	12.77	91	491884	48.904	ug/l	99
83) tert-Butylbenzene	12.99	119	556905	54.956	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	625730	53.326	ug/l	100
85) sec-Butylbenzene	13.17	105	730723	55.391	ug/l	99
86) p-Isopropyltoluene	13.29	119	665575	48.682	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	323554	48.639	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	311630	49.274	ug/l	99
89) n-Butylbenzene	13.61	91	534410	51.015	ug/l	99
90) Hexachloroethane	13.87	117	113841	43.746	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	318433	47.980	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36771	42.153	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	166826	44.149	ug/l	99
94) Hexachlorobutadiene	15.01	225	114864	49.147	ug/l	98
95) Naphthalene	15.13	128	454051	49.857	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	175772	50.102	ug/l	99

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

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