

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041819\
 Data File : VN055113.D
 Acq On : 18 Apr 2019 9:16
 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
 4/19/2019 5:46:45 PM

Quant Time: Apr 19 09:11:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	408891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	637380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	569122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	246555	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	246140	45.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.58%	
35) Dibromofluoromethane	7.59	113	206928	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
50) Toluene-d8	10.09	98	762294	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	260757	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	216406	46.570	ug/l	98
3) Chloromethane	2.06	50	269395	44.448	ug/l	98
4) Vinyl Chloride	2.19	62	226231	44.409	ug/l	99
5) Bromomethane	2.54	94	120292	41.740	ug/l	99
6) Chloroethane	2.70	64	121786	44.331	ug/l	98
7) Trichlorofluoromethane	3.01	101	296744	46.577	ug/l	99
8) Diethyl Ether	3.41	74	92152	45.313	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	157805	47.330	ug/l	99
10) Methyl Iodide	3.94	142	277776	53.687	ug/l	95
11) Tert butyl alcohol	4.82	59	70632	237.083	ug/l	97
12) 1,1-Dichloroethene	3.72	96	143749	44.294	ug/l	99
13) Acrolein	3.60	56	74985	203.627	ug/l	94
14) Allyl chloride	4.31	41	373947	47.073	ug/l	99
15) Acrylonitrile	4.99	53	426189	239.101	ug/l	99
16) Acetone	3.82	43	383550	259.998	ug/l	100
17) Carbon Disulfide	4.03	76	460778	43.983	ug/l	99
18) Methyl Acetate	4.33	43	206568	48.572	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	549587	47.340	ug/l	98
20) Methylene Chloride	4.54	84	227658	43.900	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	201959	46.011	ug/l	96
22) Diisopropyl ether	5.95	45	794291	48.638	ug/l	98
23) Vinyl Acetate	5.90	43	2706368	250.723	ug/l	99
24) 1,1-Dichloroethane	5.84	63	412211	47.400	ug/l	98
25) 2-Butanone	6.84	43	565187	256.702	ug/l	100
26) 2,2-Dichloropropane	6.82	77	279363	50.897	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	238165	47.960	ug/l	99
28) Bromochloromethane	7.19	49	188931	45.068	ug/l	99
29) Tetrahydrofuran	7.22	42	332737	230.456	ug/l	99
30) Chloroform	7.37	83	398323	47.154	ug/l	99
31) Cyclohexane	7.65	56	372738	48.441	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	319618	47.757	ug/l	100
36) 1,1-Dichloropropene	7.79	75	292310	48.649	ug/l	99
37) Ethyl Acetate	6.93	43	222709	45.529	ug/l	99
38) Carbon Tetrachloride	7.77	117	269731	47.184	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	324300	49.808	ug/l	99
40) Benzene	8.04	78	882919	48.756	ug/l	99
41) Methacrylonitrile	7.17	41	141344	52.054	ug/l	93
42) 1,2-Dichloroethane	8.12	62	304170	48.378	ug/l	99
43) Isopropyl Acetate	8.17	43	369394	49.009	ug/l	98
44) Trichloroethene	8.83	130	226559	49.949	ug/l	99
45) 1,2-Dichloropropane	9.12	63	252515	50.000	ug/l	99
46) Dibromomethane	9.21	93	142377	49.529	ug/l	97
47) Bromodichloromethane	9.40	83	302138	50.980	ug/l	98
48) Methyl methacrylate	9.20	41	188463	50.446	ug/l	100
49) 1,4-Dioxane	9.20	88	43402	1240.018	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1104034	253.539	ug/l	99
52) Toluene	10.15	92	533552	51.443	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	284296	54.891	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	346092	53.839	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	198625	49.706	ug/l	97
56) Ethyl methacrylate	10.43	69	251007	52.341	ug/l	98
57) 1,3-Dichloropropane	10.71	76	342857	50.394	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	478206	228.016	ug/l	99
59) 2-Hexanone	10.75	43	705786	258.054	ug/l	100
60) Dibromochloromethane	10.90	129	210390	53.918	ug/l	98
61) 1,2-Dibromoethane	11.00	107	188826	51.340	ug/l	98
64) Tetrachloroethene	10.63	164	222385	48.053	ug/l	99
65) Chlorobenzene	11.43	112	563174	49.160	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	209788	49.790	ug/l	99
67) Ethyl Benzene	11.51	91	1018409	49.780	ug/l	100
68) m/p-Xylenes	11.62	106	755713	102.010	ug/l	100
69) o-Xylene	11.95	106	367299	51.190	ug/l	99
70) Styrene	11.96	104	618461	53.249	ug/l	99
71) Bromoform	12.12	173	131264	54.352	ug/l #	97
73) Isopropylbenzene	12.25	105	975084	44.568	ug/l	99
74) N-amyl acetate	12.07	43	299052	48.557	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	242297	41.388	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	232788m	52.505	ug/l	
77) Bromobenzene	12.53	156	241655	44.304	ug/l	99
78) n-propylbenzene	12.59	91	1115161	47.176	ug/l	100
79) 2-Chlorotoluene	12.67	91	671126	45.519	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	816325	46.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	56300	50.779	ug/l	91
82) 4-Chlorotoluene	12.77	91	661090	48.059	ug/l	99
83) tert-Butylbenzene	12.99	119	688894	46.201	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	804429	48.076	ug/l	99
85) sec-Butylbenzene	13.17	105	901164	47.430	ug/l	99
86) p-Isopropyltoluene	13.29	119	808823	49.619	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	410202	49.478	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	393855	49.818	ug/l	99
89) n-Butylbenzene	13.61	91	664015	54.874	ug/l	100
90) Hexachloroethane	13.87	117	126071	47.533	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	394009	47.235	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32480	45.054	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	182115	48.261	ug/l	98
94) Hexachlorobutadiene	15.01	225	132523	51.437	ug/l	98
95) Naphthalene	15.13	128	371676	42.508	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	182877	56.830	ug/l	99

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

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