

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055993.D
 Acq On : 4 Jun 2019 16:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 4:04:09 PM

Quant Time: Jun 05 01:56:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	348474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	515955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	466874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	221103	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	170934	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	7.59	113	158485	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.09	98	612059	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	216121	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	188505	49.245	ug/l	99
3) Chloromethane	2.06	50	196346	51.978	ug/l	99
4) Vinyl Chloride	2.18	62	196497	51.858	ug/l	99
5) Bromomethane	2.53	94	126108	52.686	ug/l	98
6) Chloroethane	2.68	64	114686	52.203	ug/l	97
7) Trichlorofluoromethane	3.00	101	237466	49.091	ug/l	97
8) Diethyl Ether	3.40	74	99473	50.005	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	148491	50.534	ug/l	99
10) Methyl Iodide	3.94	142	240844	51.577	ug/l	98
11) Tert butyl alcohol	4.81	59	134772	223.827	ug/l	99
12) 1,1-Dichloroethene	3.72	96	151066	51.639	ug/l	94
13) Acrolein	3.60	56	44453	255.981	ug/l	97
14) Allyl chloride	4.31	41	232068	50.238	ug/l	98
15) Acrylonitrile	4.99	53	387038	264.056	ug/l	99
16) Acetone	3.82	43	362322	218.947	ug/l	99
17) Carbon Disulfide	4.04	76	350938	50.102	ug/l	99
18) Methyl Acetate	4.33	43	164445	50.596	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	479547	51.427	ug/l	100
20) Methylene Chloride	4.54	84	169494	49.714	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	159617	50.924	ug/l	96
22) Diisopropyl ether	5.95	45	479425	50.207	ug/l	98
23) Vinyl Acetate	5.89	43	1979904	263.294	ug/l	99
24) 1,1-Dichloroethane	5.84	63	276830	50.258	ug/l	99
25) 2-Butanone	6.84	43	527443	252.265	ug/l	99
26) 2,2-Dichloropropane	6.82	77	209546	48.753	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	186841	50.711	ug/l	96
28) Bromochloromethane	7.19	49	133087	51.093	ug/l	97
29) Tetrahydrofuran	7.21	42	332216	257.048	ug/l	98
30) Chloroform	7.37	83	275772	49.769	ug/l	100
31) Cyclohexane	7.65	56	262079	47.734	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	233114	50.380	ug/l	99
36) 1,1-Dichloropropene	7.79	75	213811	48.194	ug/l	99
37) Ethyl Acetate	6.93	43	203609	51.580	ug/l	99
38) Carbon Tetrachloride	7.77	117	196447	48.029	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	269397	48.746	ug/l	99
40) Benzene	8.04	78	667577	49.543	ug/l	100
41) Methacrylonitrile	7.17	41	99266	54.656	ug/l	98
42) 1,2-Dichloroethane	8.12	62	203732	47.004	ug/l	98
43) Isopropyl Acetate	8.17	43	327526	51.203	ug/l	99
44) Trichloroethene	8.83	130	188781	48.757	ug/l	99
45) 1,2-Dichloropropane	9.12	63	170544	49.413	ug/l	100
46) Dibromomethane	9.21	93	113360	50.226	ug/l	100
47) Bromodichloromethane	9.40	83	203577	49.767	ug/l	98
48) Methyl methacrylate	9.20	41	155714	49.758	ug/l	95
49) 1,4-Dioxane	9.20	88	63469	939.440	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1014792	253.689	ug/l	98
52) Toluene	10.15	92	420594	50.162	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	223892	46.843	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	257709	52.413	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	167589	50.458	ug/l	98
56) Ethyl methacrylate	10.43	69	258525	53.354	ug/l	97
57) 1,3-Dichloropropane	10.71	76	273275	50.613	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	470104	245.015	ug/l	99
59) 2-Hexanone	10.75	43	734619	253.386	ug/l	98
60) Dibromochloromethane	10.90	129	167703	45.988	ug/l	100
61) 1,2-Dibromoethane	11.00	107	175217	51.604	ug/l	98
64) Tetrachloroethene	10.63	164	188939	46.752	ug/l	97
65) Chlorobenzene	11.43	112	455391	49.010	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	162281	50.581	ug/l	100
67) Ethyl Benzene	11.51	91	802152	49.648	ug/l	99
68) m/p-Xylenes	11.62	106	616565	99.896	ug/l	98
69) o-Xylene	11.95	106	300356	49.472	ug/l	99
70) Styrene	11.96	104	506099	52.465	ug/l	99
71) Bromoform	12.13	173	122348	45.673	ug/l #	99
73) Isopropylbenzene	12.25	105	795116	50.474	ug/l	99
74) N-amyl acetate	12.07	43	286761	48.654	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	231932	45.187	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	187024m	45.970	ug/l	
77) Bromobenzene	12.53	156	263348	55.632	ug/l	76
78) n-propylbenzene	12.59	91	869399	46.479	ug/l	99
79) 2-Chlorotoluene	12.67	91	516266	49.748	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	668890	44.994	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	61199	50.095	ug/l	96
82) 4-Chlorotoluene	12.77	91	511969	46.784	ug/l	99
83) tert-Butylbenzene	12.99	119	578043	50.121	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	656506	46.569	ug/l	99
85) sec-Butylbenzene	13.17	105	754376	45.540	ug/l	100
86) p-Isopropyltoluene	13.29	119	700317	47.238	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	354773	48.423	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	343071	48.678	ug/l	99
89) n-Butylbenzene	13.61	91	571106	52.002	ug/l	99
90) Hexachloroethane	13.87	117	101920	45.586	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	350283	47.355	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37651	51.286	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	201654	49.517	ug/l	98
94) Hexachlorobutadiene	15.01	225	123600	48.663	ug/l	99
95) Naphthalene	15.13	128	552350	52.058	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	206381	49.700	ug/l	99

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

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