

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\
 Data File : VN057070.D
 Acq On : 5 Aug 2019 9:27
 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
 8/7/2019 4:09:43 AM

Quant Time: Aug 06 01:17:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	465959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	672347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	602666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	260100	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	219354	45.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.98%	
35) Dibromofluoromethane	7.58	113	203370	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.50%	
50) Toluene-d8	10.08	98	757167	46.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.26%	
62) 4-Bromofluorobenzene	12.40	95	256884	48.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.14%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	250684	53.217	ug/l	100
3) Chloromethane	2.05	50	263513	46.716	ug/l	99
4) Vinyl Chloride	2.18	62	248830	47.046	ug/l	99
5) Bromomethane	2.54	94	152254	46.304	ug/l	98
6) Chloroethane	2.68	64	139960	48.003	ug/l	99
7) Trichlorofluoromethane	3.00	101	367724	53.112	ug/l	100
8) Diethyl Ether	3.40	74	135740	52.386	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	225163	52.455	ug/l	99
10) Methyl Iodide	3.94	142	230401	40.169	ug/l	99
11) Tert butyl alcohol	4.77	59	156190	242.261	ug/l	100
12) 1,1-Dichloroethene	3.72	96	210025	51.279	ug/l	98
13) Acrolein	3.59	56	68755	207.466	ug/l	96
14) Allyl chloride	4.30	41	337078	50.594	ug/l	98
15) Acrylonitrile	4.97	53	482953	255.440	ug/l	100
16) Acetone	3.80	43	476126	275.540	ug/l	99
17) Carbon Disulfide	4.04	76	506374	46.527	ug/l	99
18) Methyl Acetate	4.31	43	267604	48.546	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	651638	53.358	ug/l	99
20) Methylene Chloride	4.53	84	243185	48.857	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	221140	50.839	ug/l	100
22) Diisopropyl ether	5.93	45	707001	51.504	ug/l	99
23) Vinyl Acetate	5.88	43	2417333	254.163	ug/l	99
24) 1,1-Dichloroethane	5.83	63	419261	51.766	ug/l	100
25) 2-Butanone	6.82	43	623265	254.366	ug/l	99
26) 2,2-Dichloropropane	6.81	77	323161	52.475	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	263335	51.185	ug/l	99
28) Bromochloromethane	7.18	49	180324	47.367	ug/l	98
29) Tetrahydrofuran	7.20	42	386022	241.465	ug/l	99
30) Chloroform	7.36	83	422795	51.057	ug/l	98
31) Cyclohexane	7.64	56	365565	46.643	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	354860	53.708	ug/l	99
36) 1,1-Dichloropropene	7.78	75	308060	52.071	ug/l	100
37) Ethyl Acetate	6.91	43	232797	49.130	ug/l	99
38) Carbon Tetrachloride	7.76	117	310568	55.497	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	383603	50.732	ug/l	99
40) Benzene	8.03	78	949008	52.080	ug/l	99
41) Methacrylonitrile	7.16	41	114852	52.432	ug/l	94
42) 1,2-Dichloroethane	8.11	62	307935	53.920	ug/l	99
43) Isopropyl Acetate	8.15	43	395890	50.550	ug/l	98
44) Trichloroethene	8.82	130	267252	53.236	ug/l	99
45) 1,2-Dichloropropane	9.11	63	255690	52.460	ug/l	98
46) Dibromomethane	9.20	93	159995	54.432	ug/l	97
47) Bromodichloromethane	9.39	83	322769	55.851	ug/l	99
48) Methyl methacrylate	9.19	41	194773	51.512	ug/l	97
49) 1,4-Dioxane	9.19	88	82494	1058.693	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1191128	255.976	ug/l	100
52) Toluene	10.15	92	591482	54.027	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	332483	55.441	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	381301	54.684	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	234525	53.416	ug/l	99
56) Ethyl methacrylate	10.42	69	325299	49.094	ug/l	99
57) 1,3-Dichloropropane	10.70	76	392110	53.858	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	537544	204.311	ug/l	98
59) 2-Hexanone	10.74	43	860438	240.211	ug/l	100
60) Dibromochloromethane	10.90	129	257926	57.341	ug/l	98
61) 1,2-Dibromoethane	11.00	107	235060	54.861	ug/l	99
64) Tetrachloroethene	10.62	164	276856	53.309	ug/l	97
65) Chlorobenzene	11.43	112	656464	53.444	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	252803	54.682	ug/l	98
67) Ethyl Benzene	11.50	91	1151397	54.237	ug/l	100
68) m/p-Xylenes	11.62	106	855279	109.165	ug/l	99
69) o-Xylene	11.94	106	415552	54.214	ug/l	100
70) Styrene	11.96	104	699288	51.555	ug/l	99
71) Bromoform	12.12	173	186171	57.678	ug/l #	99
73) Isopropylbenzene	12.24	105	1133714	50.434	ug/l	100
74) N-amyl acetate	12.07	43	317059	48.576	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	296550	52.311	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	243170m	46.036	ug/l	
77) Bromobenzene	12.52	156	300324	51.190	ug/l	97
78) n-propylbenzene	12.59	91	1232562	51.353	ug/l	99
79) 2-Chlorotoluene	12.67	91	739604	50.044	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	954903	51.758	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	82337	50.083	ug/l	98
82) 4-Chlorotoluene	12.77	91	718593	51.956	ug/l	99
83) tert-Butylbenzene	12.99	119	842239	51.570	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	937611	52.817	ug/l	100
85) sec-Butylbenzene	13.17	105	1090068	51.745	ug/l	100
86) p-Isopropyltoluene	13.29	119	989936	52.929	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	468248	52.470	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	452344	52.652	ug/l	100
89) n-Butylbenzene	13.61	91	766298	53.161	ug/l	99
90) Hexachloroethane	13.87	117	165913	51.517	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	464462	52.881	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44899	50.219	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	199152	44.281	ug/l	99
94) Hexachlorobutadiene	15.00	225	180312	59.395	ug/l	97
95) Naphthalene	15.12	128	486262	44.431	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	224299	49.029	ug/l	99

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

