

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091219\
 Data File : VN057952.D
 Acq On : 12 Sep 2019 2:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:07:11 AM

Quant Time: Sep 12 04:02:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	316887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	516703	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	496456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	302792	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	333103	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
35) Dibromofluoromethane	7.58	113	237344	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
50) Toluene-d8	10.09	98	977531	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
62) 4-Bromofluorobenzene	12.40	95	356355	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	214549	48.957	ug/l	98
3) Chloromethane	2.03	50	193626	43.350	ug/l	99
4) Vinyl Chloride	2.16	62	210431	44.514	ug/l	99
5) Bromomethane	2.53	94	109714	41.990	ug/l	98
6) Chloroethane	2.67	64	134151	44.534	ug/l	95
7) Trichlorofluoromethane	2.99	101	267404	44.949	ug/l	97
8) Diethyl Ether	3.39	74	115871	46.698	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	179152	47.737	ug/l	99
10) Methyl Iodide	3.93	142	177323	42.460	ug/l	99
11) Tert butyl alcohol	4.77	59	181775	233.999	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	153574	45.513	ug/l	98
13) Acrolein	3.59	56	140765	213.588	ug/l	99
14) Allyl chloride	4.30	41	292875	44.352	ug/l	99
15) Acrylonitrile	4.96	53	523291	245.083	ug/l	99
16) Acetone	3.80	43	439106	208.697	ug/l	99
17) Carbon Disulfide	4.03	76	225210	42.906	ug/l	100
18) Methyl Acetate	4.30	43	286703	51.106	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	687666	48.970	ug/l	99
20) Methylene Chloride	4.53	84	209590	52.384	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	168324	46.146	ug/l	96
22) Diisopropyl ether	5.93	45	780405	50.395	ug/l	100
23) Vinyl Acetate	5.87	43	2816565	256.639	ug/l	100
24) 1,1-Dichloroethane	5.82	63	408853	48.308	ug/l	99
25) 2-Butanone	6.82	43	724532	237.920	ug/l	99
26) 2,2-Dichloropropane	6.81	77	228168	34.066	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	233216	47.709	ug/l	98
28) Bromochloromethane	7.18	49	215426	50.950	ug/l	97
29) Tetrahydrofuran	7.19	42	463046	246.759	ug/l	99
30) Chloroform	7.36	83	433695	49.009	ug/l	99
31) Cyclohexane	7.64	56	294991	51.201	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	341959	48.724	ug/l	99
36) 1,1-Dichloropropene	7.78	75	279121	46.579	ug/l	99
37) Ethyl Acetate	6.91	43	295919	47.796	ug/l	99
38) Carbon Tetrachloride	7.76	117	267590	48.910	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	288613	45.816	ug/l	100
40) Benzene	8.03	78	878898	48.717	ug/l	100
41) Methacrylonitrile	7.15	41	138884	49.418	ug/l	98
42) 1,2-Dichloroethane	8.11	62	349161	48.392	ug/l	99
43) Isopropyl Acetate	8.15	43	517984	49.750	ug/l #	90
44) Trichloroethene	8.83	130	208175	47.046	ug/l	97
45) 1,2-Dichloropropane	9.11	63	262816	50.064	ug/l	99
46) Dibromomethane	9.20	93	158235	49.881	ug/l	99
47) Bromodichloromethane	9.40	83	320741	50.632	ug/l	97
48) Methyl methacrylate	9.19	41	258611	48.966	ug/l	99
49) 1,4-Dioxane	9.19	88	81716	914.924	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1632944	265.032	ug/l	100
52) Toluene	10.15	92	560400	49.318	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	322700	48.375	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	356821	48.448	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	241846	50.246	ug/l	98
56) Ethyl methacrylate	10.43	69	369279	50.948	ug/l	99
57) 1,3-Dichloropropane	10.71	76	412785	49.764	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	874373	256.127	ug/l	99
59) 2-Hexanone	10.75	43	1186317	256.882	ug/l	99
60) Dibromochloromethane	10.90	129	230482	51.568	ug/l	99
61) 1,2-Dibromoethane	11.00	107	228464	50.207	ug/l	100
64) Tetrachloroethene	10.63	164	179246	48.900	ug/l	99
65) Chlorobenzene	11.44	112	628987	48.411	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	229725	50.955	ug/l	100
67) Ethyl Benzene	11.51	91	1152857	50.630	ug/l	100
68) m/p-Xylenes	11.62	106	834042	99.997	ug/l	99
69) o-Xylene	11.95	106	415391	50.096	ug/l	97
70) Styrene	11.97	104	739524	51.823	ug/l	100
71) Bromoform	12.13	173	143606	51.091	ug/l #	99
73) Isopropylbenzene	12.25	105	1167735	49.700	ug/l	100
74) N-amyl acetate	12.07	43	506067	49.491	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	371992	47.022	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	310270m	45.297	ug/l	
77) Bromobenzene	12.53	156	273021	46.607	ug/l	97
78) n-propylbenzene	12.60	91	1362153	50.487	ug/l	100
79) 2-Chlorotoluene	12.68	91	812943	47.673	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	995506	50.145	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	83488	42.892	ug/l	93
82) 4-Chlorotoluene	12.78	91	849597	48.516	ug/l	100
83) tert-Butylbenzene	13.00	119	863248	48.918	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1010992	50.106	ug/l	100
85) sec-Butylbenzene	13.18	105	1171684	50.094	ug/l	99
86) p-Isopropyltoluene	13.29	119	1050847	50.990	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	519503	48.315	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	516266	47.302	ug/l	99
89) n-Butylbenzene	13.62	91	967923	49.734	ug/l	100
90) Hexachloroethane	13.88	117	153517	50.088	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	520530	48.457	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	66757	51.098	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	319488	45.503	ug/l	100
94) Hexachlorobutadiene	15.02	225	134338	45.136	ug/l	99
95) Naphthalene	15.13	128	918266	51.863	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	304589	49.698	ug/l	99

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

