

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055450.D
 Acq On : 7 May 2019 20:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:16:19 AM

Quant Time: May 08 07:34:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	352151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	583656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	505517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214295	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	246081	53.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.84%	
35) Dibromofluoromethane	7.59	113	191334	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	
50) Toluene-d8	10.09	98	677628	48.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.40	95	242104	56.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	197626	45.804	ug/l	100
3) Chloromethane	2.06	50	237204	44.399	ug/l	100
4) Vinyl Chloride	2.19	62	195992	45.510	ug/l	98
5) Bromomethane	2.55	94	138012	60.501	ug/l	98
6) Chloroethane	2.70	64	109400	46.893	ug/l	99
7) Trichlorofluoromethane	3.02	101	277615	45.334	ug/l	100
8) Diethyl Ether	3.41	74	122713	57.276	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	179417	49.201	ug/l	100
10) Methyl Iodide	3.96	142	245402	47.818	ug/l	99
11) Tert butyl alcohol	4.79	59	113447	430.115	ug/l	99
12) 1,1-Dichloroethene	3.74	96	169832	48.821	ug/l	99
13) Acrolein	3.61	56	73468	356.664	ug/l	99
14) Allyl chloride	4.33	41	386322	53.621	ug/l	97
15) Acrylonitrile	4.99	53	506342	341.531	ug/l	100
16) Acetone	3.82	43	409489	285.266	ug/l	99
17) Carbon Disulfide	4.06	76	354023	38.996	ug/l	99
18) Methyl Acetate	4.33	43	263313	75.836	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	603812	61.743	ug/l	99
20) Methylene Chloride	4.55	84	215362	49.153	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	176889	48.013	ug/l	98
22) Diisopropyl ether	5.96	45	830978	58.050	ug/l	99
23) Vinyl Acetate	5.90	43	2991806	318.888	ug/l	99
24) 1,1-Dichloroethane	5.85	63	403835	52.947	ug/l	99
25) 2-Butanone	6.84	43	654398	356.471	ug/l	100
26) 2,2-Dichloropropane	6.83	77	250291	47.522	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	221808	52.943	ug/l	99
28) Bromochloromethane	7.20	49	197794	51.447	ug/l	97
29) Tetrahydrofuran	7.21	42	435108	370.149	ug/l	98
30) Chloroform	7.37	83	386836	53.503	ug/l	98
31) Cyclohexane	7.66	56	330265	45.575	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	309724	52.782	ug/l	99
36) 1,1-Dichloropropene	7.80	75	264201	47.259	ug/l	99
37) Ethyl Acetate	6.93	43	272619	63.627	ug/l	98
38) Carbon Tetrachloride	7.78	117	253564	47.019	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	285943	48.107	ug/l	98
40) Benzene	8.04	78	828226	50.255	ug/l	99
41) Methacrylonitrile	7.18	41	145503	62.557	ug/l	95
42) 1,2-Dichloroethane	8.13	62	312862	53.599	ug/l	100
43) Isopropyl Acetate	8.17	43	463530	67.318	ug/l	98
44) Trichloroethene	8.84	130	202489	48.196	ug/l	98
45) 1,2-Dichloropropane	9.12	63	242657	51.051	ug/l	98
46) Dibromomethane	9.21	93	137584	52.955	ug/l	99
47) Bromodichloromethane	9.40	83	295748	53.060	ug/l	99
48) Methyl methacrylate	9.20	41	224849	66.424	ug/l	99
49) 1,4-Dioxane	9.20	88	52744	1507.308	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1399478	360.991	ug/l	98
52) Toluene	10.16	92	484016	51.186	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	280631	57.998	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	332689	55.146	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	200521	57.106	ug/l	99
56) Ethyl methacrylate	10.43	69	282983	65.475	ug/l	98
57) 1,3-Dichloropropane	10.71	76	346696	56.282	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	395014	292.288	ug/l	99
59) 2-Hexanone	10.75	43	900966	371.435	ug/l	99
60) Dibromochloromethane	10.90	129	206794	57.622	ug/l	98
61) 1,2-Dibromoethane	11.01	107	186839	57.568	ug/l	99
64) Tetrachloroethene	10.63	164	202499	48.984	ug/l	100
65) Chlorobenzene	11.43	112	501430	50.734	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	198274	51.233	ug/l	100
67) Ethyl Benzene	11.51	91	928038	51.998	ug/l	98
68) m/p-Xylenes	11.62	106	673736	105.757	ug/l	98
69) o-Xylene	11.95	106	336957	53.364	ug/l	99
70) Styrene	11.96	104	565918	58.372	ug/l	99
71) Bromoform	12.13	173	134676	62.714	ug/l #	98
73) Isopropylbenzene	12.25	105	914161	53.856	ug/l	100
74) N-amyl acetate	12.07	43	370859	67.433	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	263942	62.990	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	225574m	56.983	ug/l	
77) Bromobenzene	12.53	156	218092	53.505	ug/l	95
78) n-propylbenzene	12.59	91	1020573	46.363	ug/l	100
79) 2-Chlorotoluene	12.68	91	626593	54.175	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	769494	45.803	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	63946	56.549	ug/l	95
82) 4-Chlorotoluene	12.77	91	609698	47.637	ug/l	98
83) tert-Butylbenzene	12.99	119	673906	57.084	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	748891	49.843	ug/l	99
85) sec-Butylbenzene	13.17	105	875668	47.955	ug/l	99
86) p-Isopropyltoluene	13.29	119	754060	50.243	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	361261	50.379	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	349424	51.744	ug/l	99
89) n-Butylbenzene	13.62	91	599797	56.242	ug/l	99
90) Hexachloroethane	13.88	117	127032	53.569	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	370504	52.131	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40915	72.573	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	141361	50.422	ug/l	99
94) Hexachlorobutadiene	15.01	225	126195	59.542	ug/l	97
95) Naphthalene	15.13	128	311664	52.169	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	152191	54.886	ug/l	97

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

