

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091619\
 Data File : VN058103.D
 Acq On : 16 Sep 2019 9:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:57:03 PM

Quant Time: Sep 17 03:58:29 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	339014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	541958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	513705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	319660	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	357307	52.04	ug/l	0.00
Spiked Amount						
			Recovery	=	104.08%	
35) Dibromofluoromethane	7.57	113	258894	51.76	ug/l	0.00
Spiked Amount						
			Recovery	=	103.52%	
50) Toluene-d8	10.08	98	1023501	52.70	ug/l	0.00
Spiked Amount						
			Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.40	95	371854	50.24	ug/l	0.00
Spiked Amount						
			Recovery	=	100.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	249372	53.189	ug/l	99
3) Chloromethane	2.04	50	203079	42.498	ug/l	98
4) Vinyl Chloride	2.17	62	216395	42.788	ug/l	100
5) Bromomethane	2.54	94	134585	48.377	ug/l	97
6) Chloroethane	2.68	64	135656	42.094	ug/l	100
7) Trichlorofluoromethane	3.00	101	301200	47.325	ug/l	99
8) Diethyl Ether	3.39	74	136532	51.434	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	217877	54.267	ug/l	99
10) Methyl Iodide	3.93	142	218342	48.870	ug/l	99
11) Tert butyl alcohol	4.76	59	190570	229.309	ug/l	100
12) 1,1-Dichloroethene	3.72	96	179343	49.681	ug/l	96
13) Acrolein	3.59	56	47877	67.904	ug/l	99
14) Allyl chloride	4.30	41	365633	51.756	ug/l	100
15) Acrylonitrile	4.96	53	618616	270.818	ug/l	99
16) Acetone	3.79	43	673778	299.330	ug/l	98
17) Carbon Disulfide	4.03	76	261032	46.471	ug/l	99
18) Methyl Acetate	4.30	43	346739	57.773	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	836629	55.690	ug/l	99
20) Methylene Chloride	4.53	84	244005	57.117	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	195296	50.046	ug/l	98
22) Diisopropyl ether	5.93	45	935300	56.455	ug/l	99
23) Vinyl Acetate	5.87	43	3410524	290.476	ug/l	99
24) 1,1-Dichloroethane	5.83	63	496250	54.808	ug/l	100
25) 2-Butanone	6.81	43	906585	278.271	ug/l	96
26) 2,2-Dichloropropane	6.81	77	412475	57.564	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	281164	53.764	ug/l	98
28) Bromochloromethane	7.17	49	236081	52.190	ug/l	96
29) Tetrahydrofuran	7.19	42	528607	263.310	ug/l	99
30) Chloroform	7.36	83	522038	55.142	ug/l	100
31) Cyclohexane	7.64	56	336781	54.797	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	417715	55.633	ug/l	99
36) 1,1-Dichloropropene	7.78	75	324939	51.698	ug/l	99
37) Ethyl Acetate	6.91	43	347671	53.538	ug/l	99
38) Carbon Tetrachloride	7.76	117	330384	57.574	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	342284	51.804	ug/l	97
40) Benzene	8.03	78	1024669	54.150	ug/l	98
41) Methacrylonitrile	7.16	41	178706	60.624	ug/l	95
42) 1,2-Dichloroethane	8.11	62	424974	56.155	ug/l	99
43) Isopropyl Acetate	8.15	43	627706	57.479	ug/l	99
44) Trichloroethene	8.82	130	250337	53.938	ug/l	99
45) 1,2-Dichloropropane	9.11	63	311377	56.550	ug/l	98
46) Dibromomethane	9.20	93	187041	56.214	ug/l	99
47) Bromodichloromethane	9.40	83	402794	60.622	ug/l	98
48) Methyl methacrylate	9.19	41	303186	54.730	ug/l	99
49) 1,4-Dioxane	9.19	88	86599	924.414	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1864560	288.522	ug/l	100
52) Toluene	10.15	92	649049	54.458	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	428679	61.267	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	462696	59.896	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	292476	57.934	ug/l	99
56) Ethyl methacrylate	10.43	69	437370	57.530	ug/l	99
57) 1,3-Dichloropropane	10.71	76	493725	56.748	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	907736	253.509	ug/l	100
59) 2-Hexanone	10.75	43	1398735	288.765	ug/l	100
60) Dibromochloromethane	10.90	129	293175	62.538	ug/l	100
61) 1,2-Dibromoethane	11.00	107	273320	57.266	ug/l	99
64) Tetrachloroethene	10.63	164	203514	53.656	ug/l	99
65) Chlorobenzene	11.43	112	746456	55.523	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	283361	60.742	ug/l	99
67) Ethyl Benzene	11.51	91	1335375	56.677	ug/l	100
68) m/p-Xylenes	11.62	106	986999	114.362	ug/l	100
69) o-Xylene	11.95	106	487664	56.838	ug/l	98
70) Styrene	11.97	104	865197	58.594	ug/l	99
71) Bromoform	12.13	173	181567	62.427	ug/l #	99
73) Isopropylbenzene	12.25	105	1368444	55.169	ug/l	100
74) N-amyl acetate	12.07	43	574596	53.228	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	432632	51.802	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	363699m	50.295	ug/l	
77) Bromobenzene	12.53	156	323751	52.350	ug/l	98
78) n-propylbenzene	12.59	91	1618246	56.814	ug/l	100
79) 2-Chlorotoluene	12.68	91	953988	52.992	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1183606	56.474	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	115555	56.234	ug/l	97
82) 4-Chlorotoluene	12.78	91	1022610	55.315	ug/l	100
83) tert-Butylbenzene	13.00	119	1025560	55.049	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1209180	56.766	ug/l	99
85) sec-Butylbenzene	13.18	105	1395151	56.500	ug/l	99
86) p-Isopropyltoluene	13.29	119	1271001	58.418	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	623973	54.969	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	623786	54.138	ug/l	100
89) n-Butylbenzene	13.62	91	1204224	58.610	ug/l	100
90) Hexachloroethane	13.88	117	193369	59.761	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	619505	54.628	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	79769	57.836	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	407271	54.945	ug/l	98
94) Hexachlorobutadiene	15.02	225	182660	58.133	ug/l	99
95) Naphthalene	15.13	128	1104166	59.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	379475	58.470	ug/l	100

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

