

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011419\
 Data File : VN053394.D
 Acq On : 14 Jan 2019 16:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/15/2019 11:14:40 AM

Quant Time: Jan 14 23:45:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	841268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1237772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1141889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	580716	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	405996	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	
35) Dibromofluoromethane	7.59	113	362749	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.09	98	1485072	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.40	95	546023	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	362143	48.829	ug/l	100
3) Chloromethane	2.06	50	473567	45.723	ug/l	100
4) Vinyl Chloride	2.19	62	460034	46.536	ug/l	98
5) Bromomethane	2.57	94	312537	48.383	ug/l	99
6) Chloroethane	2.71	64	277123	46.444	ug/l	99
7) Trichlorofluoromethane	3.02	101	620604	48.468	ug/l	100
8) Diethyl Ether	3.41	74	237305	47.284	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	406809	50.130	ug/l	100
10) Methyl Iodide	3.96	142	579783	50.969	ug/l	100
11) Tert butyl alcohol	4.77	59	120348	228.610	ug/l	99
12) 1,1-Dichloroethene	3.74	96	375980	47.898	ug/l	99
13) Acrolein	3.61	56	191334	289.068	ug/l	97
14) Allyl chloride	4.33	41	598050	47.271	ug/l	99
15) Acrylonitrile	4.99	53	733173	233.303	ug/l	100
16) Acetone	3.81	43	589181	279.974	ug/l	99
17) Carbon Disulfide	4.06	76	1029582	42.544	ug/l	99
18) Methyl Acetate	4.32	43	359014	45.323	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1061828	48.198	ug/l	99
20) Methylene Chloride	4.55	84	436670	46.453	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	400866	47.562	ug/l	99
22) Diisopropyl ether	5.95	45	1350261	49.542	ug/l	98
23) Vinyl Acetate	5.90	43	4207648	245.355	ug/l	100
24) 1,1-Dichloroethane	5.85	63	767038	48.796	ug/l	99
25) 2-Butanone	6.83	43	856504	238.532	ug/l	99
26) 2,2-Dichloropropane	6.83	77	589678	51.318	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	477402	49.601	ug/l	99
28) Bromochloromethane	7.20	49	327737	48.926	ug/l	99
29) Tetrahydrofuran	7.21	42	537349	226.772	ug/l	99
30) Chloroform	7.37	83	756496	48.894	ug/l	99
31) Cyclohexane	7.65	56	719665	48.170	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	630272	48.885	ug/l	99
36) 1,1-Dichloropropene	7.79	75	589385	51.005	ug/l	99
37) Ethyl Acetate	6.93	43	358247	47.597	ug/l	100
38) Carbon Tetrachloride	7.77	117	551127	51.673	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	750009	56.025	ug/l	98
40) Benzene	8.04	78	1766925	50.058	ug/l	100
41) Methacrylonitrile	7.17	41	210819	45.115	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	524967	50.140	ug/l	100
43) Isopropyl Acetate	8.16	43	658692	44.486	ug/l	99
44) Trichloroethene	8.83	130	488652	50.417	ug/l	100
45) 1,2-Dichloropropane	9.12	63	472822	51.073	ug/l	100
46) Dibromomethane	9.21	93	273476	50.664	ug/l	99
47) Bromodichloromethane	9.40	83	584037	51.920	ug/l	99
48) Methyl methacrylate	9.20	41	329454	48.975	ug/l	100
49) 1,4-Dioxane	9.20	88	71915	1003.402	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1834399	246.356	ug/l	100
52) Toluene	10.16	92	1121688	51.798	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	608194	52.853	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	701546	52.758	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	398866	50.094	ug/l	99
56) Ethyl methacrylate	10.43	69	533585	51.568	ug/l	100
57) 1,3-Dichloropropane	10.71	76	676451	50.802	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1390295	248.535	ug/l	100
59) 2-Hexanone	10.75	43	1316245	257.996	ug/l	100
60) Dibromochloromethane	10.90	129	450251	52.427	ug/l	99
61) 1,2-Dibromoethane	11.00	107	394519	50.209	ug/l	98
64) Tetrachloroethene	10.63	164	542833	50.508	ug/l	99
65) Chlorobenzene	11.43	112	1262498	50.895	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	440086	50.687	ug/l	100
67) Ethyl Benzene	11.51	91	2211088	52.456	ug/l	100
68) m/p-Xylenes	11.62	106	1685418	106.336	ug/l	100
69) o-Xylene	11.95	106	824011	53.103	ug/l	99
70) Styrene	11.96	104	1362729	53.960	ug/l	100
71) Bromoform	12.13	173	315640	51.468	ug/l #	100
73) Isopropylbenzene	12.25	105	2219159	51.327	ug/l	100
74) N-amyl acetate	12.07	43	620337	48.049	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	457075	45.957	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	373346m	44.078	ug/l	
77) Bromobenzene	12.53	156	568029	49.225	ug/l	100
78) n-propylbenzene	12.59	91	2609723	53.362	ug/l	99
79) 2-Chlorotoluene	12.67	91	1489141	50.322	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1840502	52.848	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	146946	51.043	ug/l	99
82) 4-Chlorotoluene	12.77	91	1548241	51.023	ug/l	100
83) tert-Butylbenzene	12.99	119	1620667	53.040	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1869760	52.699	ug/l	100
85) sec-Butylbenzene	13.17	105	2254724	55.953	ug/l	100
86) p-Isopropyltoluene	13.29	119	1982108	56.811	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1046205	51.484	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1035075	51.348	ug/l	100
89) n-Butylbenzene	13.62	91	1728225	59.082	ug/l	100
90) Hexachloroethane	13.88	117	306809	54.864	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	991218	52.074	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	66659	55.257	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	422900	70.660	ug/l	100
94) Hexachlorobutadiene	15.01	225	325874	66.568	ug/l	99
95) Naphthalene	15.13	128	699357	68.497	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	293834	74.987	ug/l	99

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

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