

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057829.D
 Acq On : 10 Sep 2019 2:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:16:22 AM

Quant Time: Sep 10 08:13:56 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	316271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	520887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	498996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	297515	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	320978	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
35) Dibromofluoromethane	7.58	113	234707	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	10.09	98	958389	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	12.40	95	337058	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	215141	49.187	ug/l	99
3) Chloromethane	2.03	50	203646	45.682	ug/l	99
4) Vinyl Chloride	2.16	62	225045	47.698	ug/l	99
5) Bromomethane	2.53	94	126231	48.645	ug/l	93
6) Chloroethane	2.67	64	141849	47.181	ug/l	99
7) Trichlorofluoromethane	2.99	101	276751	46.611	ug/l	98
8) Diethyl Ether	3.39	74	113382	45.784	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	174776	46.662	ug/l	99
10) Methyl Iodide	3.93	142	196105	47.049	ug/l	99
11) Tert butyl alcohol	4.77	59	187719	242.122	ug/l	99
12) 1,1-Dichloroethene	3.71	96	152348	45.238	ug/l	99
13) Acrolein	3.58	56	157663	239.694	ug/l	99
14) Allyl chloride	4.30	41	290772	44.119	ug/l	100
15) Acrylonitrile	4.96	53	516843	242.534	ug/l	99
16) Acetone	3.80	43	431914	205.679	ug/l	99
17) Carbon Disulfide	4.03	76	238534	45.523	ug/l	98
18) Methyl Acetate	4.30	43	280169	50.038	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	691436	49.335	ug/l	99
20) Methylene Chloride	4.53	84	206571	51.715	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	169375	46.525	ug/l	99
22) Diisopropyl ether	5.93	45	772484	49.980	ug/l	98
23) Vinyl Acetate	5.87	43	2764695	252.403	ug/l	99
24) 1,1-Dichloroethane	5.82	63	407074	48.192	ug/l	99
25) 2-Butanone	6.82	43	702168	231.025	ug/l	97
26) 2,2-Dichloropropane	6.81	77	238171	35.629	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	232487	47.653	ug/l	98
28) Bromochloromethane	7.18	49	207624	49.200	ug/l	99
29) Tetrahydrofuran	7.19	42	452401	241.555	ug/l	99
30) Chloroform	7.36	83	426778	48.322	ug/l	96
31) Cyclohexane	7.64	56	293148	50.970	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	338114	48.270	ug/l	99
36) 1,1-Dichloropropene	7.78	75	278810	46.154	ug/l	99
37) Ethyl Acetate	6.91	43	292690	46.895	ug/l	100
38) Carbon Tetrachloride	7.76	117	269042	48.781	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	288750	45.470	ug/l	96
40) Benzene	8.03	78	866217	47.628	ug/l	99
41) Methacrylonitrile	7.16	41	145183	51.244	ug/l	91
42) 1,2-Dichloroethane	8.11	62	350745	48.221	ug/l	100
43) Isopropyl Acetate	8.15	43	512266	48.806	ug/l	100
44) Trichloroethene	8.83	130	208690	46.783	ug/l	99
45) 1,2-Dichloropropane	9.11	63	258357	48.819	ug/l	98
46) Dibromomethane	9.20	93	158389	49.528	ug/l	99
47) Bromodichloromethane	9.40	83	325151	50.916	ug/l	99
48) Methyl methacrylate	9.19	41	253480	47.609	ug/l	100
49) 1,4-Dioxane	9.19	88	82248	913.484	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1596548	257.043	ug/l	100
52) Toluene	10.15	92	556173	48.553	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	327268	48.666	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	361819	48.732	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	237569	48.961	ug/l	98
56) Ethyl methacrylate	10.43	69	364071	49.826	ug/l	99
57) 1,3-Dichloropropane	10.71	76	406359	48.595	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	859877	249.857	ug/l	100
59) 2-Hexanone	10.75	43	1145763	246.108	ug/l	100
60) Dibromochloromethane	10.90	129	228805	50.781	ug/l	99
61) 1,2-Dibromoethane	11.00	107	225034	49.056	ug/l	99
64) Tetrachloroethene	10.63	164	174024	47.233	ug/l	97
65) Chlorobenzene	11.43	112	621434	47.586	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	226035	49.882	ug/l	99
67) Ethyl Benzene	11.51	91	1138093	49.728	ug/l	98
68) m/p-Xylenes	11.62	106	825946	98.522	ug/l	99
69) o-Xylene	11.95	106	411990	49.433	ug/l	98
70) Styrene	11.96	104	727717	50.736	ug/l	99
71) Bromoform	12.13	173	142475	50.431	ug/l #	98
73) Isopropylbenzene	12.25	105	1153449	49.963	ug/l	100
74) N-amyl acetate	12.07	43	487287	48.500	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	359811	46.289	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	293959m	43.677	ug/l	
77) Bromobenzene	12.53	156	265769	46.173	ug/l	98
78) n-propylbenzene	12.59	91	1351751	50.990	ug/l	99
79) 2-Chlorotoluene	12.68	91	798325	47.646	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	983877	50.439	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	83775	43.803	ug/l	96
82) 4-Chlorotoluene	12.78	91	839527	48.792	ug/l	100
83) tert-Butylbenzene	13.00	119	858449	49.508	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	995009	50.189	ug/l	100
85) sec-Butylbenzene	13.18	105	1165225	50.701	ug/l	100
86) p-Isopropyltoluene	13.29	119	1045028	51.607	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	510341	48.305	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	506761	47.255	ug/l	100
89) n-Butylbenzene	13.62	91	952307	49.799	ug/l	99
90) Hexachloroethane	13.88	117	155580	51.661	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	510371	48.354	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	63354	49.353	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	309594	44.876	ug/l	98
94) Hexachlorobutadiene	15.01	225	134496	45.990	ug/l	97
95) Naphthalene	15.13	128	892896	51.308	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	289775	48.151	ug/l	99

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

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