

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111519\
 Data File : VN059271.D
 Acq On : 15 Nov 2019 17:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/18/2019 3:09:37 PM

Quant Time: Nov 16 02:11:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	385733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	602361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	549401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	266324	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	221017	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
35) Dibromofluoromethane	7.57	113	183021	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
50) Toluene-d8	10.08	98	685079	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.40	95	260728	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	168878	43.453	ug/l	100
3) Chloromethane	2.04	50	230309	43.595	ug/l	99
4) Vinyl Chloride	2.17	62	234601	45.803	ug/l	100
5) Bromomethane	2.53	94	137311	46.586	ug/l	98
6) Chloroethane	2.68	64	141210	46.606	ug/l	99
7) Trichlorofluoromethane	2.99	101	302382	49.357	ug/l	98
8) Diethyl Ether	3.39	74	131126	52.676	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	184293	49.892	ug/l	98
10) Methyl Iodide	3.93	142	242595	53.058	ug/l	99
11) Tert butyl alcohol	4.75	59	239368	264.888	ug/l	98
12) 1,1-Dichloroethene	3.71	96	180669	50.210	ug/l	95
13) Acrolein	3.58	56	127980	274.690	ug/l	99
14) Allyl chloride	4.29	41	361813m	48.951	ug/l	
15) Acrylonitrile	4.95	53	626666	278.656	ug/l	100
16) Acetone	3.79	43	494930	200.722	ug/l	97
17) Carbon Disulfide	4.03	76	463516	41.497	ug/l	100
18) Methyl Acetate	4.29	43	327186	55.904	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	672082	54.251	ug/l	99
20) Methylene Chloride	4.52	84	217719	50.683	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	192174	49.755	ug/l	97
22) Diisopropyl ether	5.92	45	736758	52.772	ug/l	97
23) Vinyl Acetate	5.87	43	3055577	282.397	ug/l	99
24) 1,1-Dichloroethane	5.82	63	397991	51.040	ug/l	99
25) 2-Butanone	6.81	43	812038	249.880	ug/l	98
26) 2,2-Dichloropropane	6.80	77	332028	48.696	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	232534	51.893	ug/l	99
28) Bromochloromethane	7.17	49	113138	48.226	ug/l	97
29) Tetrahydrofuran	7.19	42	550276	266.495	ug/l	98
30) Chloroform	7.35	83	392735	52.504	ug/l	99
31) Cyclohexane	7.63	56	337192	45.678	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	328766	52.277	ug/l	99
36) 1,1-Dichloropropene	7.77	75	284910	50.603	ug/l	99
37) Ethyl Acetate	6.90	43	328703	52.479	ug/l	98
38) Carbon Tetrachloride	7.75	117	283260	50.546	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	322619	49.372	ug/l	99
40) Benzene	8.02	78	882771	52.066	ug/l	99
41) Methacrylonitrile	7.15	41	157289	57.749	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	297522	51.164	ug/l	99
43) Isopropyl Acetate	8.14	43	532282	53.304	ug/l	99
44) Trichloroethene	8.82	130	214078	51.365	ug/l	99
45) 1,2-Dichloropropane	9.10	63	245032	53.207	ug/l	99
46) Dibromomethane	9.19	93	146872	51.179	ug/l	97
47) Bromodichloromethane	9.39	83	310767	54.231	ug/l	98
48) Methyl methacrylate	9.18	41	237891	53.260	ug/l	96
49) 1,4-Dioxane	9.18	88	91482	1152.492	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	1690951	299.275	ug/l	99
52) Toluene	10.14	92	542225	53.357	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	355989	53.771	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	385028	54.065	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	225297	54.780	ug/l	99
56) Ethyl methacrylate	10.42	69	362931	52.799	ug/l	96
57) 1,3-Dichloropropane	10.70	76	383518	54.181	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	655505	286.390	ug/l	99
59) 2-Hexanone	10.74	43	1244372	286.936	ug/l	98
60) Dibromochloromethane	10.90	129	242262	55.713	ug/l	100
61) 1,2-Dibromoethane	11.00	107	227842	54.725	ug/l	100
64) Tetrachloroethene	10.62	164	187155	50.097	ug/l	99
65) Chlorobenzene	11.43	112	579548	54.113	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	222344	55.343	ug/l	99
67) Ethyl Benzene	11.51	91	1045934	55.044	ug/l	98
68) m/p-Xylenes	11.62	106	783672	110.099	ug/l	99
69) o-Xylene	11.94	106	380374	55.297	ug/l	99
70) Styrene	11.96	104	629591	58.196	ug/l	99
71) Bromoform	12.12	173	178023	56.967	ug/l	99
73) Isopropylbenzene	12.25	105	1023627	52.839	ug/l	100
74) N-amyl acetate	12.07	43	455533	55.493	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	351842	53.332	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	320893m	52.924	ug/l	
77) Bromobenzene	12.53	156	251461	51.665	ug/l	98
78) n-propylbenzene	12.59	91	1201967	54.188	ug/l	100
79) 2-Chlorotoluene	12.67	91	717147	52.117	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	874710	53.286	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	125195	54.537	ug/l	96
82) 4-Chlorotoluene	12.77	91	725804	52.590	ug/l	99
83) tert-Butylbenzene	12.99	119	744970	52.552	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	867805	54.642	ug/l	100
85) sec-Butylbenzene	13.17	105	1005428	54.535	ug/l	99
86) p-Isopropyltoluene	13.29	119	908690	55.820	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	447090	53.642	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	440926	52.875	ug/l	99
89) n-Butylbenzene	13.62	91	797061	55.942	ug/l	100
90) Hexachloroethane	13.88	117	170108	52.040	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	440415	53.717	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	71232	54.117	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	261728	52.456	ug/l	99
94) Hexachlorobutadiene	15.01	225	153097	54.156	ug/l	99
95) Naphthalene	15.13	128	889105	63.545	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	262165	57.057	ug/l	99

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

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