

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058446.D
 Acq On : 30 Sep 2019 19:14
 Operator : JC/SP
 Sample : K5080-08MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-MW184S-20190924MSD

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:22:31 AM

Quant Time: Oct 01 08:48:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	418603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	710301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	643726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	317370	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	316856	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
35) Dibromofluoromethane	7.57	113	232702	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	
50) Toluene-d8	10.09	98	895902	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	12.41	95	327571	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	238955	52.060	ug/l	97
3) Chloromethane	2.03	50	258024	51.133	ug/l	100
4) Vinyl Chloride	2.17	62	258610	52.316	ug/l	98
5) Bromomethane	2.54	94	136685	52.057	ug/l	99
6) Chloroethane	2.68	64	151431	51.127	ug/l	98
7) Trichlorofluoromethane	3.00	101	307258	51.507	ug/l	98
8) Diethyl Ether	3.39	74	132347	51.420	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	201989	49.858	ug/l	99
10) Methyl Iodide	3.93	142	222487	49.528	ug/l	100
11) Tert butyl alcohol	4.76	59	196363	288.951	ug/l	99
12) 1,1-Dichloroethene	3.72	96	198866	50.360	ug/l	99
13) Acrolein	3.59	56	66606	308.155	ug/l	96
14) Allyl chloride	4.30	41	372501	51.835	ug/l	98
15) Acrylonitrile	4.96	53	537951	271.614	ug/l	100
16) Acetone	3.79	43	463681	222.357	ug/l	100
17) Carbon Disulfide	4.03	76	549640	52.803	ug/l	99
18) Methyl Acetate	4.30	43	253660	48.364	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	709241	50.903	ug/l	100
20) Methylene Chloride	4.53	84	236509	49.147	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	223439	50.883	ug/l	98
22) Diisopropyl ether	5.93	45	794475	51.374	ug/l	96
23) Vinyl Acetate	5.87	43	3205259	274.884	ug/l	99
24) 1,1-Dichloroethane	5.82	63	450282	51.737	ug/l	100
25) 2-Butanone	6.82	43	737547	257.609	ug/l	98
26) 2,2-Dichloropropane	6.80	77	336960	47.094	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	262109	51.070	ug/l	98
28) Bromochloromethane	7.18	49	185901	53.436	ug/l	98
29) Tetrahydrofuran	7.19	42	484552	266.655	ug/l	100
30) Chloroform	7.36	83	482851	54.749	ug/l	99
31) Cyclohexane	7.64	56	416565	49.205	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	383534	52.957	ug/l	100
36) 1,1-Dichloropropene	7.78	75	345038	50.802	ug/l	99
37) Ethyl Acetate	6.91	43	307006	53.315	ug/l	99
38) Carbon Tetrachloride	7.76	117	327884	53.483	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	405816	51.165	ug/l	98
40) Benzene	8.03	78	1009575	51.712	ug/l	99
41) Methacrylonitrile	7.16	41	146436m	55.277	ug/l	
42) 1,2-Dichloroethane	8.11	62	379978	50.027	ug/l	100
43) Isopropyl Acetate	8.15	43	526268	48.601	ug/l	99
44) Trichloroethene	8.82	130	244059	50.628	ug/l	98
45) 1,2-Dichloropropane	9.11	63	275401	52.598	ug/l	97
46) Dibromomethane	9.20	93	170177	51.322	ug/l	99
47) Bromodichloromethane	9.39	83	345682	55.023	ug/l	99
48) Methyl methacrylate	9.19	41	263298	53.400	ug/l	99
49) 1,4-Dioxane	9.19	88	88790	1346.743	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1586398	285.212	ug/l	99
52) Toluene	10.15	92	621776	50.599	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	371775	54.369	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	407873	53.735	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	235987	52.742	ug/l	98
56) Ethyl methacrylate	10.43	69	370368	54.550	ug/l	100
57) 1,3-Dichloropropane	10.71	76	424460	53.184	ug/l	100
59) 2-Hexanone	10.75	43	1155307	285.254	ug/l	100
60) Dibromochloromethane	10.90	129	246504	53.237	ug/l	99
61) 1,2-Dibromoethane	11.00	107	245609	53.721	ug/l	100
64) Tetrachloroethene	10.63	164	197820	48.369	ug/l	98
65) Chlorobenzene	11.44	112	658500	51.462	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	230346	53.430	ug/l	99
67) Ethyl Benzene	11.51	91	1221767	52.715	ug/l	99
68) m/p-Xylenes	11.62	106	894580	102.588	ug/l	97
69) o-Xylene	11.95	106	434556	51.768	ug/l	98
70) Stvrene	11.97	104	739879	54.255	ug/l	100
71) Bromoform	12.13	173	157012	52.663	ug/l #	99
73) Isopropylbenzene	12.25	105	1193448	50.884	ug/l	100
74) N-amyl acetate	12.07	43	475751	50.987	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	348421	50.237	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	308270m	53.179	ug/l	
77) Bromobenzene	12.53	156	270981	49.273	ug/l	98
78) n-propylbenzene	12.60	91	1402320	53.070	ug/l	100
79) 2-Chlorotoluene	12.68	91	822061	50.403	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1018695	51.885	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	98033	51.363	ug/l	99
82) 4-Chlorotoluene	12.78	91	839250	50.428	ug/l	100
83) tert-Butylbenzene	13.00	119	850727	51.350	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	1024111	52.062	ug/l	99
85) sec-Butylbenzene	13.18	105	1163277	53.347	ug/l	100
86) p-Isopropyltoluene	13.30	119	1039731	54.168	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	497588	49.898	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	497711	50.165	ug/l	99
89) n-Butylbenzene	13.62	91	923687	53.125	ug/l	99
90) Hexachloroethane	13.88	117	166278	57.657	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	492809	51.433	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	68680	56.155	ug/l	96
93) 1,2,4-Trichlorobenzene	14.92	180	289189	54.618	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	136701	50.232	ug/l	99
95) Naphthalene	15.13	128	812557	52.405	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	279692	52.691	ug/l	99

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

