

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058881.D
 Acq On : 21 Oct 2019 12:33
 Operator : JC/SP
 Sample : K5451-05MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-JBW7326BMSD

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 4:55:24 PM

Quant Time: Oct 22 04:18:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	429248	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	697462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	650568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	310153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	309758	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	7.57	113	225913	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	10.08	98	880092	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	324507	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	254074	47.474	ug/l	99
3) Chloromethane	2.04	50	319243	48.163	ug/l	98
4) Vinyl Chloride	2.17	62	326897	49.670	ug/l	100
5) Bromomethane	2.54	94	199010	48.288	ug/l	98
6) Chloroethane	2.68	64	198287	46.982	ug/l	97
7) Trichlorofluoromethane	3.00	101	384994	47.278	ug/l	99
8) Diethyl Ether	3.39	74	142878	50.773	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	214973	47.619	ug/l	100
10) Methyl Iodide	3.93	142	294785	49.648	ug/l	100
11) Tert butyl alcohol	4.76	59	251451	240.686	ug/l	98
12) 1,1-Dichloroethene	3.72	96	216749	51.222	ug/l	100
13) Acrolein	3.58	56	177262	246.939	ug/l	100
14) Allyl chloride	4.30	41	434851	50.784	ug/l	99
15) Acrylonitrile	4.96	53	676587	257.462	ug/l	100
16) Acetone	3.79	43	599535	192.720	ug/l	100
17) Carbon Disulfide	4.03	76	663284	48.660	ug/l	98
18) Methyl Acetate	4.30	43	334112	47.240	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	779304	52.595	ug/l	99
20) Methylene Chloride	4.53	84	252479	47.530	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	234370	50.152	ug/l	98
22) Diisopropyl ether	5.93	45	877346	52.383	ug/l	97
23) Vinyl Acetate	5.87	43	3754249	278.998	ug/l	99
24) 1,1-Dichloroethane	5.82	63	487476	50.196	ug/l	99
25) 2-Butanone	6.81	43	936875	231.998	ug/l	99
26) 2,2-Dichloropropane	6.80	77	417275	49.675	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	279229	52.305	ug/l	99
28) Bromochloromethane	7.17	49	160438	49.605	ug/l	99
29) Tetrahydrofuran	7.19	42	630262	255.130	ug/l	100
30) Chloroform	7.35	83	469948	48.241	ug/l	99
31) Cyclohexane	7.63	56	432752	47.832	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	405930	49.436	ug/l	100
36) 1,1-Dichloropropene	7.78	75	359461	50.341	ug/l	100
37) Ethyl Acetate	6.90	43	482804	62.053	ug/l	99
38) Carbon Tetrachloride	7.76	117	356190	48.421	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	406388	50.686	ug/l	100
40) Benzene	8.02	78	1056643	50.393	ug/l	99
41) Methacrylonitrile	7.15	41	145650m	42.031	ug/l	
42) 1,2-Dichloroethane	8.11	62	395700	48.990	ug/l	100
43) Isopropyl Acetate	8.15	43	632285	50.671	ug/l	100
44) Trichloroethene	8.82	130	287250	56.238	ug/l	100
45) 1,2-Dichloropropane	9.11	63	287975	50.085	ug/l	100
46) Dibromomethane	9.20	93	179009	49.248	ug/l	99
47) Bromodichloromethane	9.39	83	375930	50.180	ug/l	100
48) Methyl methacrylate	9.19	41	295207	52.144	ug/l	100
49) 1,4-Dioxane	9.19	88	83114	894.317	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1946761	267.103	ug/l	99
52) Toluene	10.15	92	637971	51.307	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	429459	51.783	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	444882	50.210	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	250305	48.865	ug/l	98
56) Ethyl methacrylate	10.43	69	403740	47.051	ug/l	100
57) 1,3-Dichloropropane	10.70	76	447986	49.829	ug/l	98
59) 2-Hexanone	10.75	43	1472209	261.401	ug/l	100
60) Dibromochloromethane	10.90	129	279103	50.621	ug/l	99
61) 1,2-Dibromoethane	11.00	107	263411	50.249	ug/l	99
64) Tetrachloroethene	10.63	164	218628	47.985	ug/l	99
65) Chlorobenzene	11.43	112	670659	50.636	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	251183	50.257	ug/l	99
67) Ethyl Benzene	11.51	91	1238950	53.324	ug/l	98
68) m/p-Xylenes	11.62	106	916685	106.389	ug/l	100
69) o-Xylene	11.95	106	436341	53.098	ug/l	100
70) Stvrene	11.97	104	728075	48.067	ug/l	100
71) Bromoform	12.13	173	198089	51.111	ug/l #	99
73) Isopropylbenzene	12.25	105	1192392	52.606	ug/l	99
74) N-amyl acetate	12.07	43	557255	54.229	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	391260	49.092	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	346718m	48.235	ug/l	
77) Bromobenzene	12.53	156	279874	50.095	ug/l	99
78) n-propylbenzene	12.59	91	1409562	52.610	ug/l	100
79) 2-Chlorotoluene	12.68	91	831845	50.728	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1010621	53.068	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	140731	51.003	ug/l	100
82) 4-Chlorotoluene	12.78	91	867226	51.751	ug/l	99
83) tert-Butylbenzene	13.00	119	867631	53.278	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1009050	53.719	ug/l	98
85) sec-Butylbenzene	13.17	105	1150995	53.012	ug/l	99
86) p-Isopropyltoluene	13.29	119	1042993	54.443	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	503531	50.405	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	495460	49.538	ug/l	99
89) n-Butylbenzene	13.62	91	926230	52.631	ug/l	100
90) Hexachloroethane	13.88	117	194277	50.046	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	493654	50.277	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	82758	45.909	ug/l	96
93) 1,2,4-Trichlorobenzene	14.92	180	279645	45.482	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	149523	46.984	ug/l	99
95) Naphthalene	15.13	128	803500	45.441	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	272685	45.540	ug/l	99

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

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