

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058883.D
 Acq On : 21 Oct 2019 13:17
 Operator : JC/SP
 Sample : K5452-09MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FA19-MMW0422MSD

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 4:55:33 PM

Quant Time: Oct 22 04:17:14 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	451360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	732168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	677908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	316146	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	323791	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	7.57	113	236330	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	10.08	98	913322	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.40	95	335680	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	264059	46.923	ug/l	97
3) Chloromethane	2.04	50	331884	47.617	ug/l	100
4) Vinyl Chloride	2.17	62	343018	49.567	ug/l	99
5) Bromomethane	2.54	94	208189	48.041	ug/l	98
6) Chloroethane	2.68	64	209440	47.194	ug/l	97
7) Trichlorofluoromethane	3.00	101	408620	47.721	ug/l	99
8) Diethyl Ether	3.39	74	150221	50.767	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	216934	45.699	ug/l	99
10) Methyl Iodide	3.93	142	308748	49.452	ug/l	100
11) Tert butyl alcohol	4.76	59	260961	237.552	ug/l	100
12) 1,1-Dichloroethene	3.72	96	218265	49.053	ug/l	96
13) Acrolein	3.58	56	185383	245.600	ug/l	99
14) Allyl chloride	4.30	41	454649	50.495	ug/l	98
15) Acrylonitrile	4.96	53	703395	254.550	ug/l	99
16) Acetone	3.79	43	621335	189.943	ug/l	100
17) Carbon Disulfide	4.03	76	681155	47.523	ug/l	100
18) Methyl Acetate	4.30	43	343583	46.199	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	811528	52.086	ug/l	99
20) Methylene Chloride	4.53	84	266343	47.684	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	243545	49.562	ug/l	96
22) Diisopropyl ether	5.93	45	912122	51.792	ug/l	96
23) Vinyl Acetate	5.87	43	3903090	275.850	ug/l	100
24) 1,1-Dichloroethane	5.82	63	494857	48.459	ug/l	100
25) 2-Butanone	6.81	43	975811	229.802	ug/l	98
26) 2,2-Dichloropropane	6.80	77	420353	47.590	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	281895	50.218	ug/l	99
28) Bromochloromethane	7.18	49	164946	48.500	ug/l	98
29) Tetrahydrofuran	7.19	42	653720	251.662	ug/l	99
30) Chloroform	7.35	83	484662	47.314	ug/l	98
31) Cyclohexane	7.63	56	444245	46.697	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	423355	49.033	ug/l	99
36) 1,1-Dichloropropene	7.77	75	369364	49.276	ug/l	100
37) Ethyl Acetate	6.90	43	440787	53.967	ug/l	99
38) Carbon Tetrachloride	7.76	117	365543	47.337	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	412273	48.982	ug/l	99
40) Benzene	8.02	78	1081760	49.145	ug/l	99
41) Methacrylonitrile	7.16	41	169634m	46.632	ug/l	
42) 1,2-Dichloroethane	8.11	62	406177	47.903	ug/l	99
43) Isopropyl Acetate	8.15	43	658431	50.266	ug/l	100
44) Trichloroethene	8.82	130	261859	48.837	ug/l	99
45) 1,2-Dichloropropane	9.11	63	296656	49.149	ug/l	99
46) Dibromomethane	9.20	93	185858	48.708	ug/l	98
47) Bromodichloromethane	9.39	83	389125	49.479	ug/l	100
48) Methyl methacrylate	9.19	41	305980	51.485	ug/l	99
49) 1,4-Dioxane	9.19	88	91244	935.258	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2039065	266.506	ug/l	99
52) Toluene	10.15	92	660232	50.580	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	440982	50.652	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	458557	49.300	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	260828	48.505	ug/l	99
56) Ethyl methacrylate	10.43	69	420914	46.742	ug/l	99
57) 1,3-Dichloropropane	10.70	76	463051	49.064	ug/l	99
59) 2-Hexanone	10.75	43	1531521	259.042	ug/l	99
60) Dibromochloromethane	10.90	129	290717	50.228	ug/l	99
61) 1,2-Dibromoethane	11.00	107	272413	49.503	ug/l	99
64) Tetrachloroethene	10.63	164	229082	48.252	ug/l	99
65) Chlorobenzene	11.43	112	686130	49.715	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	264297	50.748	ug/l	98
67) Ethyl Benzene	11.51	91	1278117	52.792	ug/l	98
68) m/p-Xylenes	11.62	106	938281	104.504	ug/l	100
69) o-Xylene	11.95	106	447933	52.310	ug/l	100
70) Stvrene	11.96	104	753206	47.733	ug/l	99
71) Bromoform	12.13	173	206653	51.170	ug/l #	98
73) Isopropylbenzene	12.25	105	1225957	53.062	ug/l	100
74) N-amyl acetate	12.07	43	581785	55.543	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	402652	49.563	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	353052m	48.185	ug/l	
77) Bromobenzene	12.53	156	288169	50.602	ug/l	98
78) n-propylbenzene	12.59	91	1442646	52.824	ug/l	99
79) 2-Chlorotoluene	12.68	91	852477	51.001	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1044375	53.801	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	146476	52.079	ug/l	99
82) 4-Chlorotoluene	12.78	91	879285	51.476	ug/l	100
83) tert-Butylbenzene	13.00	119	886968	53.433	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1038740	54.251	ug/l	99
85) sec-Butylbenzene	13.17	105	1181093	53.367	ug/l	99
86) p-Isopropyltoluene	13.29	119	1065144	54.545	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	516207	50.694	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	506500	49.682	ug/l	98
89) n-Butylbenzene	13.62	91	939843	52.392	ug/l	99
90) Hexachloroethane	13.88	117	197129	49.818	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	513522	51.309	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	86879	47.282	ug/l	98
93) 1,2,4-Trichlorobenzene	14.91	180	290411	46.290	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	151812	46.799	ug/l	100
95) Naphthalene	15.13	128	848039	46.972	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	281971	46.164	ug/l	100

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

