

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058231.D
 Acq On : 20 Sep 2019 1:31
 Operator : JC/SP
 Sample : K4896-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D1-20190912MSD

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 3:37:02 PM

Quant Time: Sep 20 09:11:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	484686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	839954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	768165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	371072	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	371703	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	
35) Dibromofluoromethane	7.57	113	272803	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
50) Toluene-d8	10.08	98	1069266	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
62) 4-Bromofluorobenzene	12.40	95	391492	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	188158	47.257	ug/l	100
3) Chloromethane	2.04	50	154759	50.435	ug/l	99
4) Vinyl Chloride	2.17	62	168214	50.125	ug/l	100
5) Bromomethane	2.54	94	75294	42.492	ug/l	98
6) Chloroethane	2.68	64	112479	52.405	ug/l	99
7) Trichlorofluoromethane	3.00	101	257618	47.403	ug/l	100
8) Diethyl Ether	3.39	74	118252	47.488	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	181873	46.416	ug/l	100
10) Methyl Iodide	3.93	142	133497	40.659	ug/l	98
11) Tert butyl alcohol	4.76	59	217143	270.409	ug/l	99
12) 1,1-Dichloroethene	3.72	96	148373	49.896	ug/l	99
13) Acrolein	3.59	56	41983	352.787	ug/l	95
14) Allyl chloride	4.30	41	265671	41.435	ug/l	88
15) Acrylonitrile	4.96	53	570187	266.510	ug/l	99
16) Acetone	3.79	43	501888	219.025	ug/l	97
17) Carbon Disulfide	4.03	76	195982	46.840	ug/l	98
18) Methyl Acetate	4.30	43	262224	43.489	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	758791	51.343	ug/l	98
20) Methylene Chloride	4.53	84	210791	52.553	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	162880	50.270	ug/l	96
22) Diisopropyl ether	5.93	45	830067	50.965	ug/l	99
23) Vinyl Acetate	5.87	43	2603216	233.587	ug/l	99
24) 1,1-Dichloroethane	5.83	63	429512	49.411	ug/l	99
25) 2-Butanone	6.81	43	779569	249.714	ug/l	99
26) 2,2-Dichloropropane	6.81	77	250596	33.981	ug/l	96
27) cis-1,2-Dichloroethene	6.81	96	241616	49.158	ug/l	98
28) Bromochloromethane	7.18	49	218560	53.149	ug/l	99
29) Tetrahydrofuran	7.19	42	490465	255.055	ug/l	99
30) Chloroform	7.36	83	459113	49.067	ug/l	98
31) Cyclohexane	7.64	56	277640	49.381	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	362936	50.951	ug/l	99
36) 1,1-Dichloropropene	7.78	75	267755	44.204	ug/l	99
37) Ethyl Acetate	6.91	43	280916	44.688	ug/l	98
38) Carbon Tetrachloride	7.76	117	287967	47.293	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	266760	45.555	ug/l	98
40) Benzene	8.03	78	870715	47.063	ug/l	99
41) Methacrylonitrile	7.16	41	158560m	50.068	ug/l	
42) 1,2-Dichloroethane	8.11	62	373502	48.112	ug/l	99
43) Isopropyl Acetate	8.15	43	515941	43.947	ug/l	99
44) Trichloroethene	8.82	130	268717	59.353	ug/l	99
45) 1,2-Dichloropropane	9.11	63	273254	49.456	ug/l	96
46) Dibromomethane	9.20	93	160461	47.768	ug/l	99
47) Bromodichloromethane	9.39	83	357343	50.778	ug/l	99
48) Methyl methacrylate	9.19	41	273287	51.269	ug/l	98
49) 1,4-Dioxane	9.19	88	90261	1031.357	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1734589	278.166	ug/l	99
52) Toluene	10.15	92	555449	47.905	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	350230	48.584	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	378980	47.617	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	255669	49.688	ug/l	98
56) Ethyl methacrylate	10.43	69	386168	52.016	ug/l	100
57) 1,3-Dichloropropane	10.71	76	434904	49.165	ug/l	99
59) 2-Hexanone	10.75	43	1244602	268.738	ug/l	99
60) Dibromochloromethane	10.90	129	254615	51.435	ug/l	99
61) 1,2-Dibromoethane	11.00	107	237279	49.759	ug/l	100
64) Tetrachloroethene	10.63	164	165488	44.194	ug/l	99
65) Chlorobenzene	11.43	112	645891	47.803	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	248975	50.819	ug/l	99
67) Ethyl Benzene	11.51	91	1164567	50.302	ug/l	100
68) m/p-Xylenes	11.62	106	839280	96.251	ug/l	96
69) o-Xylene	11.95	106	425807	49.663	ug/l	99
70) Stvrene	11.97	104	755243	51.124	ug/l	99
71) Bromoform	12.13	173	163433	45.354	ug/l #	99
73) Isopropylbenzene	12.25	105	1208028	52.010	ug/l	100
74) N-amyl acetate	12.07	43	471333	48.508	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	395863	50.895	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	336787m	50.713	ug/l	
77) Bromobenzene	12.53	156	283878	48.588	ug/l	99
78) n-propylbenzene	12.60	91	1395774	52.883	ug/l	99
79) 2-Chlorotoluene	12.68	91	843908	51.161	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1029533	52.418	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	92437	42.418	ug/l	97
82) 4-Chlorotoluene	12.78	91	887458	51.182	ug/l	100
83) tert-Butylbenzene	13.00	119	908723	51.881	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	1034315	52.917	ug/l	99
85) sec-Butylbenzene	13.18	105	1226958	53.569	ug/l	99
86) p-Isopropyltoluene	13.29	119	1087498	53.407	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	540831	50.681	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	543548	49.892	ug/l	99
89) n-Butylbenzene	13.62	91	984184	50.981	ug/l	99
90) Hexachloroethane	13.88	117	174470	48.926	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	541209	50.559	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75027	53.579	ug/l	99
93) 1,2,4-Trichlorobenzene	14.92	180	342877	50.133	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	155776	47.124	ug/l	97
95) Naphthalene	15.13	128	960534	54.192	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	324097	50.136	ug/l	99

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

