

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080919\
 Data File : VN057160.D
 Acq On : 9 Aug 2019 20:48
 Operator : JC/SP
 Sample : K4262-08MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4R_080819MSD

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 3:12:13 PM

Quant Time: Aug 10 08:22:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1106926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1630415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1464226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	593622	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	558343	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
35) Dibromofluoromethane	6.99	113	510956	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	9.56	98	1938735	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.92	95	648770	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	376771	42.349	ug/l	99
3) Chloromethane	2.00	50	469457	39.714	ug/l	100
4) Vinyl Chloride	2.11	62	487477	44.366	ug/l	99
5) Bromomethane	2.43	94	337644	45.226	ug/l	99
6) Chloroethane	2.55	64	318770	45.231	ug/l	99
7) Trichlorofluoromethane	2.83	101	721812	45.703	ug/l	100
8) Diethyl Ether	3.14	74	285501	46.788	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.44	101	431459	45.064	ug/l	99
10) Methyl Iodide	3.63	142	655065	45.276	ug/l	99
11) Tert butyl alcohol	4.23	59	311508	192.291	ug/l	99
12) 1,1-Dichloroethene	3.43	96	437340	46.432	ug/l	98
13) Acrolein	3.31	56	179725	175.370	ug/l	96
14) Allyl chloride	3.91	41	678657	49.580	ug/l	95
15) Acrylonitrile	4.44	53	1017487	232.072	ug/l	97
16) Acetone	3.47	43	760948	221.337	ug/l	98
17) Carbon Disulfide	3.72	76	1146886	45.770	ug/l	99
18) Methyl Acetate	3.89	43	444549	43.311	ug/l	100
19) Methyl tert-butyl Ether	4.49	73	1377361	48.438	ug/l	97
20) Methylene Chloride	4.10	84	504658	44.478	ug/l	99
21) trans-1,2-Dichloroethene	4.51	96	473820	46.180	ug/l	97
22) Diisopropyl ether	5.32	45	1399980	46.890	ug/l	97
23) Vinyl Acetate	5.26	43	5023899	219.738	ug/l	100
24) 1,1-Dichloroethane	5.25	63	853414	46.498	ug/l	98
25) 2-Butanone	6.20	43	1225182	233.249	ug/l	99
26) 2,2-Dichloropropane	6.21	77	575159	43.073	ug/l	100
27) cis-1,2-Dichloroethene	6.21	96	552781	47.028	ug/l	99
28) Bromochloromethane	6.59	49	424663	50.302	ug/l	100
29) Tetrahydrofuran	6.60	42	822305	232.393	ug/l	99
30) Chloroform	6.76	83	871867	45.896	ug/l	98
31) Cyclohexane	7.07	56	711479	43.087	ug/l	98
32) 1,1,1-Trichloroethane	6.98	97	764582	47.979	ug/l	99
36) 1,1-Dichloropropene	7.20	75	650908	48.488	ug/l	99
37) Ethyl Acetate	6.28	43	477635	43.161	ug/l #	99
38) Carbon Tetrachloride	7.19	117	674683	48.226	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.53	83	736618	45.123	ug/l	99
40) Benzene	7.46	78	1983887	46.683	ug/l	98
41) Methacrylonitrile	6.55	41	270349	48.096	ug/l	99
42) 1,2-Dichloroethane	7.54	62	640225	47.238	ug/l	99
43) Isopropyl Acetate	7.56	43	845267	44.760	ug/l	99
44) Trichloroethene	8.27	130	563448	47.325	ug/l	99
45) 1,2-Dichloropropane	8.56	63	526613	47.858	ug/l	98
46) Dibromomethane	8.65	93	341950	48.467	ug/l	100
47) Bromodichloromethane	8.85	83	683763	50.087	ug/l	98
48) Methyl methacrylate	8.63	41	416883	46.815	ug/l	98
49) 1,4-Dioxane	8.64	88	155621	858.064	ug/l	95
51) 4-Methyl-2-Pentanone	9.45	43	2612663	237.718	ug/l	100
52) Toluene	9.63	92	1261182	47.811	ug/l	99
53) t-1,3-Dichloropropene	9.86	75	714180	50.077	ug/l	99
54) cis-1,3-Dichloropropene	9.30	75	790241	48.289	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	493852	47.609	ug/l	100
56) Ethyl methacrylate	9.90	69	709412	48.844	ug/l	99
57) 1,3-Dichloropropane	10.19	76	806066	47.121	ug/l	100
59) 2-Hexanone	10.24	43	1805609	242.743	ug/l	100
60) Dibromochloromethane	10.39	129	561118	51.506	ug/l	100
61) 1,2-Dibromoethane	10.50	107	511755	47.809	ug/l	99
64) Tetrachloroethene	10.11	164	559691	45.962	ug/l	98
65) Chlorobenzene	10.93	112	1382206	46.916	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.01	131	534113	48.492	ug/l	100
67) Ethyl Benzene	11.01	91	2396245	47.258	ug/l	98
68) m/p-Xylenes	11.13	106	1795408	96.112	ug/l	99
69) o-Xylene	11.46	106	883059	47.498	ug/l	100
70) Stvrene	11.47	104	1281620	44.135	ug/l	99
71) Bromoform	11.64	173	423052	52.434	ug/l #	99
73) Isopropylbenzene	11.76	105	2368484	48.930	ug/l	100
74) N-amyl acetate	11.58	43	643535	42.780	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.02	83	668873	51.823	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	583066m	50.346	ug/l	
77) Bromobenzene	12.04	156	619895	43.446	ug/l	98
78) n-propylbenzene	12.11	91	2493887	43.791	ug/l	100
79) 2-Chlorotoluene	12.19	91	1535181	48.316	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	1975964	43.116	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.82	75	184863	45.789	ug/l	97
82) 4-Chlorotoluene	12.30	91	1458410	44.228	ug/l	99
83) tert-Butylbenzene	12.52	119	1730089	47.796	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	1876217	42.355	ug/l	100
85) sec-Butylbenzene	12.70	105	2191507	42.373	ug/l	98
86) p-Isopropyltoluene	12.82	119	1944774	42.853	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	949856	46.760	ug/l	100
88) 1,4-Dichlorobenzene	12.90	146	895944	46.551	ug/l	99
89) n-Butylbenzene	13.15	91	1382564	44.095	ug/l	99
90) Hexachloroethane	13.41	117	361055	50.050	ug/l	100
91) 1,2-Dichlorobenzene	13.19	146	956133	47.135	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	96406	46.199	ug/l	98
93) 1,2,4-Trichlorobenzene	14.45	180	386744	45.552	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.55	225	364936	51.677	ug/l	99
95) Naphthalene	14.67	128	733637	43.866	ug/l	100
96) 1,2,3-Trichlorobenzene	14.83	180	373555	42.900	ug/l	100

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

