

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080719\
 Data File : VN057118.D
 Acq On : 7 Aug 2019 22:14
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN080719

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 2:40:43 PM

Quant Time: Aug 08 06:54:40 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	1293554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1920937	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1718690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	684189	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	675264	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
35) Dibromofluoromethane	6.98	113	625756	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
50) Toluene-d8	9.56	98	2394440	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.92	95	788489	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	467406	44.957	ug/l	98
3) Chloromethane	2.00	50	647551	46.876	ug/l	98
4) Vinyl Chloride	2.11	62	617919	48.124	ug/l	99
5) Bromomethane	2.42	94	432182	49.537	ug/l	98
6) Chloroethane	2.55	64	395789	48.056	ug/l	99
7) Trichlorofluoromethane	2.82	101	860950	46.648	ug/l	99
8) Diethyl Ether	3.14	74	348132	48.821	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.44	101	528444	47.231	ug/l	100
10) Methyl Iodide	3.63	142	817964	48.379	ug/l	100
11) Tert butyl alcohol	4.23	59	441629	233.282	ug/l	99
12) 1,1-Dichloroethene	3.43	96	541510	49.197	ug/l	99
13) Acrolein	3.31	56	287967	240.450	ug/l	98
14) Allyl chloride	3.91	41	779264	48.717	ug/l	100
15) Acrylonitrile	4.45	53	1274371	248.727	ug/l	99
16) Acetone	3.47	43	938058	233.487	ug/l	99
17) Carbon Disulfide	3.72	76	1466534	50.083	ug/l	99
18) Methyl Acetate	3.89	43	593597	49.584	ug/l	100
19) Methyl tert-butyl Ether	4.49	73	1640311	49.363	ug/l	100
20) Methylene Chloride	4.10	84	627300	47.310	ug/l	99
21) trans-1,2-Dichloroethene	4.51	96	578909	48.282	ug/l	96
22) Diisopropyl ether	5.31	45	1704638	48.857	ug/l	98
23) Vinyl Acetate	5.26	43	6785266	253.960	ug/l	99
24) 1,1-Dichloroethane	5.25	63	1036543	48.327	ug/l	98
25) 2-Butanone	6.20	43	1540082	250.898	ug/l	99
26) 2,2-Dichloropropane	6.21	77	717044	45.951	ug/l	99
27) cis-1,2-Dichloroethene	6.21	96	670755	48.832	ug/l	100
28) Bromochloromethane	6.58	49	507325	51.424	ug/l	98
29) Tetrahydrofuran	6.60	42	1024910	247.862	ug/l	100
30) Chloroform	6.76	83	1042528	46.962	ug/l	99
31) Cyclohexane	7.06	56	905811	46.942	ug/l	97
32) 1,1,1-Trichloroethane	6.98	97	900322	48.346	ug/l	100
36) 1,1-Dichloropropene	7.20	75	789178	49.897	ug/l	100
37) Ethyl Acetate	6.28	43	653737	50.141	ug/l #	99
38) Carbon Tetrachloride	7.18	117	793617	48.147	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	940941	48.922	ug/l	95
40) Benzene	7.46	78	2426377	48.460	ug/l	99
41) Methacrylonitrile	6.55	41	338759	51.151	ug/l	99
42) 1,2-Dichloroethane	7.54	62	753437	47.183	ug/l	99
43) Isopropyl Acetate	7.56	43	1094355	49.186	ug/l	99
44) Trichloroethene	8.27	130	688509	49.083	ug/l	100
45) 1,2-Dichloropropane	8.56	63	633690	48.880	ug/l	100
46) Dibromomethane	8.65	93	407200	48.986	ug/l	100
47) Bromodichloromethane	8.85	83	800907	49.795	ug/l	98
48) Methyl methacrylate	8.64	41	513078	48.904	ug/l	98
49) 1,4-Dioxane	8.64	88	209224	979.148	ug/l	97
51) 4-Methyl-2-Pentanone	9.45	43	3230576	249.484	ug/l	100
52) Toluene	9.63	92	1534585	49.377	ug/l	99
53) t-1,3-Dichloropropene	9.85	75	867544	51.630	ug/l	99
54) cis-1,3-Dichloropropene	9.30	75	984083	51.040	ug/l	100
55) 1,1,2-Trichloroethane	10.04	97	586036	47.951	ug/l	97
56) Ethyl methacrylate	9.90	69	894003	52.244	ug/l	98
57) 1,3-Dichloropropane	10.19	76	989617	49.101	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	1611503	236.901	ug/l	99
59) 2-Hexanone	10.24	43	2273401	259.409	ug/l	100
60) Dibromochloromethane	10.39	129	660790	51.481	ug/l	99
61) 1,2-Dibromoethane	10.50	107	621745	49.300	ug/l	99
64) Tetrachloroethene	10.11	164	667754	46.718	ug/l	94
65) Chlorobenzene	10.93	112	1684048	48.698	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.01	131	632953	48.958	ug/l	100
67) Ethyl Benzene	11.01	91	2942965	49.447	ug/l	98
68) m/p-Xylenes	11.12	106	2216210	101.074	ug/l	99
69) o-Xylene	11.46	106	1071812	49.115	ug/l	99
70) Styrene	11.47	104	1766550	51.828	ug/l	100
71) Bromoform	11.64	173	488467	51.578	ug/l #	99
73) Isopropylbenzene	11.76	105	2903959	52.229	ug/l	99
74) N-amyl acetate	11.58	43	852890	49.192	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	794672	53.562	ug/l	100
76) 1,2,3-Trichloropropane	12.07	75	687687m	51.593	ug/l	
77) Bromobenzene	12.04	156	749764	45.592	ug/l	100
78) n-propylbenzene	12.11	91	3117794	47.500	ug/l	100
79) 2-Chlorotoluene	12.19	91	1876219	51.355	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	2421247	45.839	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	225249	48.407	ug/l	99
82) 4-Chlorotoluene	12.29	91	1798096	47.312	ug/l	99
83) tert-Butylbenzene	12.52	119	2130024	51.205	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	2330354	45.643	ug/l	100
85) sec-Butylbenzene	12.70	105	2727418	45.755	ug/l	99
86) p-Isopropyltoluene	12.82	119	2452441	46.886	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	1155170	49.340	ug/l	99
88) 1,4-Dichlorobenzene	12.89	146	1099417	49.562	ug/l	100
89) n-Butylbenzene	13.15	91	1851084	51.223	ug/l	98
90) Hexachloroethane	13.41	117	425796	51.234	ug/l	97
91) 1,2-Dichlorobenzene	13.18	146	1113434	47.624	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	110526	45.955	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	439480	44.995	ug/l	98
94) Hexachlorobutadiene	14.55	225	438045	53.987	ug/l	99
95) Naphthalene	14.66	128	992137	49.960	ug/l	99
96) 1,2,3-Trichlorobenzene	14.83	180	446451	44.274	ug/l	100

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

