

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057294.D
 Acq On : 14 Aug 2019 18:16
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:53:20 AM

Quant Time: Aug 15 08:20:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 19:33:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	882191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1310299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1232807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	571379	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	1404959	158.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	316.10%	
35) Dibromofluoromethane	7.58	113	1249699	150.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.42%	
50) Toluene-d8	10.09	98	4758120	157.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.70%	
62) 4-Bromofluorobenzene	12.40	95	1800213	172.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	345.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1089516	147.377	ug/l	97
3) Chloromethane	2.05	50	1332299	158.817	ug/l	99
4) Vinyl Chloride	2.18	62	1247766	153.492	ug/l	99
5) Bromomethane	2.51	94	720356	125.773	ug/l	99
6) Chloroethane	2.67	64	840528m	159.533	ug/l	
7) Trichlorofluoromethane	3.00	101	1910527	148.761	ug/l	100
8) Diethyl Ether	3.40	74	737899	157.567	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1131792	146.885	ug/l	100
10) Methyl Iodide	3.94	142	1879788	157.337	ug/l	100
11) Tert butyl alcohol	4.77	59	1042349	853.707	ug/l	99
12) 1,1-Dichloroethene	3.73	96	1144731	149.366	ug/l	97
13) Acrolein	3.60	56	594206	707.122	ug/l	100
14) Allyl chloride	4.31	41	1867802	159.827	ug/l	99
15) Acrylonitrile	4.97	53	2851140	837.343	ug/l	99
16) Acetone	3.81	43	2277006	745.767	ug/l	98
17) Carbon Disulfide	4.04	76	3186828	152.829	ug/l	99
18) Methyl Acetate	4.31	43	1295441	123.606	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	3671305	159.463	ug/l	98
20) Methylene Chloride	4.54	84	1326381	148.635	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	1224916	150.226	ug/l	100
22) Diisopropyl ether	5.94	45	3621274	157.075	ug/l	96
23) Vinyl Acetate	5.88	43	15057173	823.307	ug/l	99
24) 1,1-Dichloroethane	5.83	63	2194910	151.951	ug/l	100
25) 2-Butanone	6.82	43	3556388	811.393	ug/l	97
26) 2,2-Dichloropropane	6.81	77	1818393	154.270	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	1449483	153.843	ug/l	100
28) Bromochloromethane	7.19	49	970468	150.850	ug/l #	100
29) Tetrahydrofuran	7.20	42	2241746	801.314	ug/l	99
30) Chloroform	7.36	83	2252347	148.996	ug/l	98
31) Cyclohexane	7.65	56	1850542	147.374	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	2017871	157.865	ug/l	98
36) 1,1-Dichloropropene	7.79	75	1723600	151.554	ug/l	98
37) Ethyl Acetate	6.91	43	1462010	157.021	ug/l	99
38) Carbon Tetrachloride	7.77	117	1807291	149.412	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2024666	150.597	ug/l	99
40) Benzene	8.03	78	5173190	148.824	ug/l	99
41) Methacrylonitrile	7.17	41	640888m	164.775	ug/l	
42) 1,2-Dichloroethane	8.12	62	1694356	151.741	ug/l	100
43) Isopropyl Acetate	8.16	43	2561322	165.521	ug/l	98
44) Trichloroethene	8.83	130	1463725	146.126	ug/l	100
45) 1,2-Dichloropropane	9.11	63	1356517	153.788	ug/l	99
46) Dibromomethane	9.20	93	886856	149.510	ug/l	100
47) Bromodichloromethane	9.40	83	1834562	160.091	ug/l	99
48) Methyl methacrylate	9.19	41	1207900	170.213	ug/l	99
49) 1,4-Dioxane	9.20	88	484958	3042.632	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	7520522	834.510	ug/l	99
52) Toluene	10.15	92	3309027	153.434	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	2069408	168.863	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	2229889	161.508	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1289556	152.344	ug/l	99
56) Ethyl methacrylate	10.43	69	2079862	174.078	ug/l	99
57) 1,3-Dichloropropane	10.71	76	2149703	153.809	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	3000135	998.476	ug/l	100
59) 2-Hexanone	10.75	43	5432185	848.145	ug/l	100
60) Dibromochloromethane	10.90	129	1556865	163.949	ug/l	99
61) 1,2-Dibromoethane	11.00	107	1397791	158.922	ug/l	100
64) Tetrachloroethene	10.63	164	1407368	129.858	ug/l	99
65) Chlorobenzene	11.43	112	3733049	148.741	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	1419966	146.455	ug/l	99
67) Ethyl Benzene	11.51	91	6601834	153.675	ug/l	99
68) m/p-Xylenes	11.62	106	5014112	312.451	ug/l	100
69) o-Xylene	11.95	106	2438779	155.012	ug/l	100
70) Styrene	11.96	104	4289573	176.370	ug/l	99
71) Bromoform	12.13	173	1242310	166.680	ug/l	# 99
73) Isopropylbenzene	12.25	105	6593546	124.429	ug/l	99
74) N-amyl acetate	12.07	43	2167561	140.181	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1784285	117.305	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1701216m	140.754	ug/l	
77) Bromobenzene	12.53	156	1811585	125.594	ug/l	98
78) n-propylbenzene	12.59	91	7402976	138.747	ug/l	100
79) 2-Chlorotoluene	12.68	91	4429716	129.884	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	5682594	132.248	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	648133	150.461	ug/l	97
82) 4-Chlorotoluene	12.77	91	4493814	143.945	ug/l	99
83) tert-Butylbenzene	12.99	119	4923823	122.761	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	5541136	137.889	ug/l	100
85) sec-Butylbenzene	13.17	105	6465574	134.574	ug/l	99
86) p-Isopropyltoluene	13.29	119	5895703	140.754	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	2886364	146.277	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	2796969	146.010	ug/l	99
89) n-Butylbenzene	13.62	91	4615946	156.805	ug/l	100
90) Hexachloroethane	13.88	117	1057136	129.148	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	2652238	138.207	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	302518	158.184	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1253887	182.068	ug/l	99
94) Hexachlorobutadiene	15.01	225	980559	106.203	ug/l	98
95) Naphthalene	15.13	128	3159059	233.542	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	1257327	180.143	ug/l	100

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

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