

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056855.D
 Acq On : 22 Jul 2019 13:58
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:01:28 PM

Quant Time: Jul 23 01:42:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:05:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	359375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	545202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	505945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	253389	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	552715	140.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.22%	
35) Dibromofluoromethane	7.59	113	499880	146.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.70%	
50) Toluene-d8	10.09	98	1950595	148.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.02%	
62) 4-Bromofluorobenzene	12.40	95	704545	159.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	645067	178.373	ug/l	100
3) Chloromethane	2.06	50	739114	156.764	ug/l	99
4) Vinyl Chloride	2.18	62	695116	154.207	ug/l	99
5) Bromomethane	2.53	94	410178	155.146	ug/l	98
6) Chloroethane	2.68	64	369692m	142.952	ug/l	
7) Trichlorofluoromethane	3.00	101	811284	142.497	ug/l	99
8) Diethyl Ether	3.40	74	301931	138.403	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	497264	145.020	ug/l	99
10) Methyl Iodide	3.94	142	726602	157.296	ug/l	99
11) Tert butyl alcohol	4.81	59	414419	640.491	ug/l	99
12) 1,1-Dichloroethene	3.72	96	509052	148.084	ug/l	98
13) Acrolein	3.60	56	336778	1135.502	ug/l	98
14) Allyl chloride	4.31	41	862764	146.796	ug/l	99
15) Acrylonitrile	4.99	53	1247326	660.576	ug/l	99
16) Acetone	3.82	43	918547	522.080	ug/l	99
17) Carbon Disulfide	4.04	76	1471013	160.744	ug/l	100
18) Methyl Acetate	4.33	43	652532	129.680	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1531133	141.483	ug/l	99
20) Methylene Chloride	4.54	84	579403	142.546	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	543044	149.996	ug/l	96
22) Diisopropyl ether	5.95	45	1697078	145.563	ug/l	98
23) Vinyl Acetate	5.90	43	6392841	691.688	ug/l	100
24) 1,1-Dichloroethane	5.84	63	975826	144.232	ug/l	100
25) 2-Butanone	6.84	43	1533394	590.870	ug/l	99
26) 2,2-Dichloropropane	6.82	77	686908	142.283	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	619051	149.013	ug/l	99
28) Bromochloromethane	7.19	49	424780	134.543	ug/l	99
29) Tetrahydrofuran	7.21	42	1040736	610.418	ug/l	99
30) Chloroform	7.37	83	951283	140.393	ug/l	99
31) Cyclohexane	7.65	56	926792	143.740	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	808879	150.796	ug/l	99
36) 1,1-Dichloropropene	7.79	75	750652	146.751	ug/l	99
37) Ethyl Acetate	6.93	43	634506	130.221	ug/l	99
38) Carbon Tetrachloride	7.77	117	720347	150.223	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	948577	150.262	ug/l	99
40) Benzene	8.04	78	2269020	144.817	ug/l	99
41) Methacrylonitrile	7.17	41	323096	149.011	ug/l	93
42) 1,2-Dichloroethane	8.12	62	702008	142.242	ug/l	99
43) Isopropyl Acetate	8.17	43	1068525	138.491	ug/l	99
44) Trichloroethene	8.83	130	617424	144.957	ug/l	98
45) 1,2-Dichloropropane	9.12	63	605948	145.882	ug/l	98
46) Dibromomethane	9.21	93	376900	146.862	ug/l	99
47) Bromodichloromethane	9.40	83	749139	153.262	ug/l	97
48) Methyl methacrylate	9.20	41	531579	141.675	ug/l	99
49) 1,4-Dioxane	9.20	88	206829	2667.754	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	3163906	638.255	ug/l	100
52) Toluene	10.15	92	1420191	152.406	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	829851	163.252	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	936707	158.367	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	548442	141.592	ug/l	100
56) Ethyl methacrylate	10.43	69	850387	154.351	ug/l	99
57) 1,3-Dichloropropane	10.71	76	930546	146.914	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1846568	711.728	ug/l	99
59) 2-Hexanone	10.75	43	2290715	650.341	ug/l	100
60) Dibromochloromethane	10.90	129	615781	161.437	ug/l	100
61) 1,2-Dibromoethane	11.00	107	579915	150.512	ug/l	99
64) Tetrachloroethene	10.63	164	588642	132.910	ug/l	96
65) Chlorobenzene	11.43	112	1552446	148.111	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	579647	150.298	ug/l	99
67) Ethyl Benzene	11.51	91	2744364	149.208	ug/l	100
68) m/p-Xylenes	11.62	106	2068756	301.106	ug/l	98
69) o-Xylene	11.94	106	1002171	148.328	ug/l	98
70) Styrene	11.96	104	1742387	159.686	ug/l	100
71) Bromoform	12.12	173	458764	158.799	ug/l #	99
73) Isopropylbenzene	12.25	105	2668749	128.365	ug/l	100
74) N-amyl acetate	12.07	43	984234	129.985	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	768350	112.021	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	649926m	118.010	ug/l	
77) Bromobenzene	12.52	156	717221	131.994	ug/l	98
78) n-propylbenzene	12.59	91	3066019	133.509	ug/l	100
79) 2-Chlorotoluene	12.67	91	1798826	126.579	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2268186	129.059	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	247382	139.389	ug/l	95
82) 4-Chlorotoluene	12.77	91	1840884	136.508	ug/l	100
83) tert-Butylbenzene	12.99	119	1972109	128.617	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2284713	133.330	ug/l	100
85) sec-Butylbenzene	13.17	105	2636896	134.809	ug/l	99
86) p-Isopropyltoluene	13.29	119	2434218	137.650	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1243792	140.761	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1220191	142.004	ug/l	99
89) n-Butylbenzene	13.61	91	2091932	147.718	ug/l	99
90) Hexachloroethane	13.87	117	425116	147.463	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1216193	134.802	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	140695	131.025	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	770872	189.705	ug/l	99
94) Hexachlorobutadiene	15.01	225	424265	130.480	ug/l	99
95) Naphthalene	15.13	128	1941726	178.800	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	758852	178.652	ug/l	100

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

