

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050819\
 Data File : VN055483.D
 Acq On : 8 May 2019 19:30
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN050819

Manual Integrations
 APPROVED

MMDadoda
 5/9/2019 6:33:10 PM

Quant Time: May 09 04:29:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:10:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	713154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1258297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1116606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	482611	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	545495	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
35) Dibromofluoromethane	7.59	113	409155	50.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.82%	
50) Toluene-d8	10.09	98	1611250	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.40	95	559236	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	345360	47.565	ug/l	100
3) Chloromethane	2.06	50	573982	48.660	ug/l	98
4) Vinyl Chloride	2.19	62	542739	48.742	ug/l	99
5) Bromomethane	2.54	94	315674	51.743	ug/l	99
6) Chloroethane	2.69	64	330870	51.014	ug/l	97
7) Trichlorofluoromethane	3.01	101	600672	49.173	ug/l	99
8) Diethyl Ether	3.41	74	272652	49.699	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	375211	48.278	ug/l	100
10) Methyl Iodide	3.94	142	550200	52.379	ug/l	99
11) Tert butyl alcohol	4.82	59	428888	270.517	ug/l	100
12) 1,1-Dichloroethene	3.73	96	390149	50.055	ug/l	99
13) Acrolein	3.60	56	282729	267.575	ug/l	97
14) Allyl chloride	4.32	41	812347	50.879	ug/l	99
15) Acrylonitrile	5.00	53	1285265	261.804	ug/l	100
16) Acetone	3.82	43	1104020	222.052	ug/l	98
17) Carbon Disulfide	4.04	76	1096327	51.536	ug/l	100
18) Methyl Acetate	4.33	43	538031	51.603	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1345292	51.943	ug/l	97
20) Methylene Chloride	4.55	84	483823	47.589	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	424119	50.188	ug/l	98
22) Diisopropyl ether	5.96	45	1679944	51.777	ug/l	100
23) Vinyl Acetate	5.90	43	6851439	273.052	ug/l	99
24) 1,1-Dichloroethane	5.85	63	872438	49.812	ug/l	99
25) 2-Butanone	6.85	43	1786381	260.100	ug/l	100
26) 2,2-Dichloropropane	6.82	77	537240	49.205	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	490634	50.236	ug/l	98
28) Bromochloromethane	7.20	49	461679	50.758	ug/l	99
29) Tetrahydrofuran	7.22	42	1178751	259.616	ug/l	100
30) Chloroform	7.37	83	811426	50.114	ug/l	99
31) Cyclohexane	7.65	56	829511	47.867	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	629398	51.046	ug/l	100
36) 1,1-Dichloropropene	7.79	75	624722	50.395	ug/l	99
37) Ethyl Acetate	6.94	43	708629	52.404	ug/l	99
38) Carbon Tetrachloride	7.77	117	516932	49.523	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	734062	48.567	ug/l	98
40) Benzene	8.04	78	1930970	50.190	ug/l	100
41) Methacrylonitrile	7.18	41	342095	54.506	ug/l	99
42) 1,2-Dichloroethane	8.13	62	657215	48.622	ug/l	100
43) Isopropyl Acetate	8.17	43	1094408	53.272	ug/l #	90
44) Trichloroethene	8.84	130	452055	49.382	ug/l	99
45) 1,2-Dichloropropane	9.12	63	541746	49.213	ug/l	99
46) Dibromomethane	9.21	93	311490	48.818	ug/l	98
47) Bromodichloromethane	9.40	83	624005	51.120	ug/l	98
48) Methyl methacrylate	9.20	41	534777	54.028	ug/l	100
49) 1,4-Dioxane	9.20	88	206017	1067.897	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	3555188	263.126	ug/l	100
52) Toluene	10.16	92	1132463	51.487	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	643574	54.895	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	754057	53.826	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	445625	50.005	ug/l	99
56) Ethyl methacrylate	10.43	69	713385	53.818	ug/l	99
57) 1,3-Dichloropropane	10.71	76	806265	50.961	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1055895	237.298	ug/l	99
59) 2-Hexanone	10.75	43	2484144	262.164	ug/l	100
60) Dibromochloromethane	10.90	129	435492	53.748	ug/l	100
61) 1,2-Dibromoethane	11.01	107	444354	51.896	ug/l	99
64) Tetrachloroethene	10.63	164	418915	45.786	ug/l	99
65) Chlorobenzene	11.43	112	1130287	49.202	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	403920	51.073	ug/l	99
67) Ethyl Benzene	11.51	91	2165663	50.194	ug/l	100
68) m/p-Xylenes	11.62	106	1577686	101.892	ug/l	98
69) o-Xylene	11.95	106	773848	50.848	ug/l	100
70) Styrene	11.96	104	1309845	53.722	ug/l	100
71) Bromoform	12.13	173	285748	53.543	ug/l #	99
73) Isopropylbenzene	12.25	105	2037573	51.266	ug/l	99
74) N-amyl acetate	12.07	43	915537	49.968	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	668856	51.781	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	570922m	50.519	ug/l	
77) Bromobenzene	12.53	156	468571	44.056	ug/l	100
78) n-propylbenzene	12.59	91	2365719	45.703	ug/l	100
79) 2-Chlorotoluene	12.67	91	1418529	43.973	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1752116	45.395	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	171269	48.100	ug/l	100
82) 4-Chlorotoluene	12.77	91	1407340	46.170	ug/l	100
83) tert-Butylbenzene	12.99	119	1447583	43.756	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1696685	47.931	ug/l	100
85) sec-Butylbenzene	13.17	105	1988561	45.227	ug/l	100
86) p-Isopropyltoluene	13.29	119	1706147	47.680	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	805255	48.997	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	773443	47.687	ug/l	99
89) n-Butylbenzene	13.61	91	1409150	50.805	ug/l	99
90) Hexachloroethane	13.87	117	269384	46.150	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	801654	48.806	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	113273	51.041	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	344789	48.325	ug/l	98
94) Hexachlorobutadiene	15.01	225	251956	51.924	ug/l	100
95) Naphthalene	15.13	128	994743	49.469	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	378041	48.872	ug/l	100

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

