

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056925.D
 Acq On : 25 Jul 2019 16:12
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:37:03 PM

Quant Time: Jul 26 03:41:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 03:12:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	454523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	684819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	641459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	310205	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	704891	143.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.76%	
35) Dibromofluoromethane	7.57	113	649855	146.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	293.64%	
50) Toluene-d8	10.08	98	2512691	148.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.94%	
62) 4-Bromofluorobenzene	12.40	95	909790	165.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	330.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	803280	160.128	ug/l	100
3) Chloromethane	2.04	50	897377	143.268	ug/l	98
4) Vinyl Chloride	2.17	62	857754	149.151	ug/l	99
5) Bromomethane	2.51	94	515572	146.604	ug/l	99
6) Chloroethane	2.67	64	439115	138.149	ug/l	99
7) Trichlorofluoromethane	2.99	101	1054049	146.934	ug/l	99
8) Diethyl Ether	3.39	74	416822	155.261	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	644634	146.031	ug/l	99
10) Methyl Iodide	3.93	142	1007131	170.341	ug/l	100
11) Tert butyl alcohol	4.78	59	506181	746.084	ug/l	100
12) 1,1-Dichloroethene	3.71	96	658114	149.280	ug/l	100
13) Acrolein	3.59	56	280589	537.269	ug/l	100
14) Allyl chloride	4.30	41	1091462	150.867	ug/l	99
15) Acrylonitrile	4.96	53	1558979	758.381	ug/l	100
16) Acetone	3.80	43	1219915	692.152	ug/l	99
17) Carbon Disulfide	4.03	76	1802694	150.580	ug/l	100
18) Methyl Acetate	4.30	43	819947	120.582	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	1983036	152.545	ug/l	99
20) Methylene Chloride	4.53	84	741490	142.709	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	689088	149.588	ug/l	99
22) Diisopropyl ether	5.93	45	2167666	148.290	ug/l	98
23) Vinyl Acetate	5.87	43	8005034	762.735	ug/l	100
24) 1,1-Dichloroethane	5.82	63	1256240	148.078	ug/l	100
25) 2-Butanone	6.82	43	1935728	755.325	ug/l	99
26) 2,2-Dichloropropane	6.80	77	951697	157.978	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	803159	151.664	ug/l	99
28) Bromochloromethane	7.18	49	569373	147.524	ug/l	100
29) Tetrahydrofuran	7.19	42	1273427	730.277	ug/l	99
30) Chloroform	7.36	83	1223382	143.542	ug/l	98
31) Cyclohexane	7.63	56	1174578	143.163	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	1050792	152.411	ug/l	99
36) 1,1-Dichloropropene	7.78	75	961083	152.126	ug/l	99
37) Ethyl Acetate	6.91	43	784701	155.154	ug/l	100
38) Carbon Tetrachloride	7.76	117	924560	153.252	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	1219604	153.638	ug/l	99
40) Benzene	8.03	78	2919940	148.432	ug/l	98
41) Methacrylonitrile	7.16	41	409886	167.846	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	892557	145.224	ug/l	99
43) Isopropyl Acetate	8.15	43	1326573	152.019	ug/l	100
44) Trichloroethene	8.82	130	801773	151.315	ug/l	98
45) 1,2-Dichloropropane	9.11	63	781338	147.075	ug/l	99
46) Dibromomethane	9.20	93	486754	148.452	ug/l	100
47) Bromodichloromethane	9.39	83	971387	157.161	ug/l	99
48) Methyl methacrylate	9.19	41	658547	151.277	ug/l	100
49) 1,4-Dioxane	9.19	88	260817	3032.119	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	3924689	755.786	ug/l	99
52) Toluene	10.15	92	1829360	154.305	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	1078451	170.772	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	1221319	163.578	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	706491	150.088	ug/l	100
56) Ethyl methacrylate	10.42	69	1083256	166.709	ug/l	99
57) 1,3-Dichloropropane	10.70	76	1195558	153.564	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	2227303	822.756	ug/l	99
59) 2-Hexanone	10.74	43	2846301	789.452	ug/l	99
60) Dibromochloromethane	10.90	129	796764	168.610	ug/l	100
61) 1,2-Dibromoethane	11.00	107	743896	159.471	ug/l	98
64) Tetrachloroethene	10.62	164	781069	139.776	ug/l	98
65) Chlorobenzene	11.43	112	2010515	150.078	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	748924	148.177	ug/l	99
67) Ethyl Benzene	11.50	91	3567119	154.087	ug/l	100
68) m/p-Xylenes	11.61	106	2673351	308.369	ug/l	99
69) o-Xylene	11.94	106	1296067	153.502	ug/l	100
70) Styrene	11.96	104	2246637	166.857	ug/l	99
71) Bromoform	12.12	173	589282	169.357	ug/l #	100
73) Isopropylbenzene	12.24	105	3477232	127.171	ug/l	100
74) N-amyl acetate	12.06	43	1187669	131.218	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	965678	120.184	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	764313m	116.907	ug/l	
77) Bromobenzene	12.52	156	934524	136.989	ug/l	99
78) n-propylbenzene	12.59	91	3975048	137.807	ug/l	100
79) 2-Chlorotoluene	12.67	91	2328755	129.194	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2949697	129.443	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	311362	154.976	ug/l	96
82) 4-Chlorotoluene	12.77	91	2364842	138.145	ug/l	99
83) tert-Butylbenzene	12.99	119	2518683	126.252	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2946190	135.697	ug/l	100
85) sec-Butylbenzene	13.17	105	3408533	133.517	ug/l	100
86) p-Isopropyltoluene	13.28	119	3131455	137.483	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1590826	145.208	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1563454	147.525	ug/l	99
89) n-Butylbenzene	13.61	91	2705002	154.930	ug/l	100
90) Hexachloroethane	13.87	117	536087	136.095	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1537634	140.011	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	166787	140.257	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	925506	195.949	ug/l	100
94) Hexachlorobutadiene	15.00	225	528424	122.373	ug/l	99
95) Naphthalene	15.12	128	2411924	194.714	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	938923	179.870	ug/l	99

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

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