

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052829.D
 Acq On : 12 Dec 2018 16:05
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:36:20 PM

Quant Time: Dec 13 00:49:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 00:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1029733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1592747	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1437932	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	704712	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1631118	148.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	297.94%	
35) Dibromofluoromethane	7.59	113	1382446	155.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	310.98%	
50) Toluene-d8	10.09	98	5817205	150.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.82%	
62) 4-Bromofluorobenzene	12.40	95	2041428	156.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	312.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1598183	150.770	ug/l	100
3) Chloromethane	2.06	50	1932336	151.887	ug/l	99
4) Vinyl Chloride	2.19	62	1925234	151.261	ug/l	100
5) Bromomethane	2.56	94	1174853	149.656	ug/l	100
6) Chloroethane	2.70	64	1120337	148.916	ug/l	99
7) Trichlorofluoromethane	3.02	101	2377325	150.655	ug/l	99
8) Diethyl Ether	3.41	74	916754	159.265	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1471521	150.465	ug/l	99
10) Methyl Iodide	3.96	142	2270067	165.746	ug/l	100
11) Tert butyl alcohol	4.78	59	467928	764.862	ug/l	99
12) 1,1-Dichloroethene	3.74	96	1459662	154.179	ug/l	99
13) Acrolein	3.61	56	471488	818.560	ug/l	98
14) Allyl chloride	4.33	41	2412087	155.986	ug/l	98
15) Acrylonitrile	4.99	53	2721635	792.984	ug/l	99
16) Acetone	3.82	43	1803488	733.403	ug/l	96
17) Carbon Disulfide	4.06	76	4535120	155.935	ug/l	99
18) Methyl Acetate	4.32	43	1444992	160.113	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	4021735	156.477	ug/l	99
20) Methylene Chloride	4.55	84	1627985	147.111	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	1549859	151.104	ug/l	99
22) Diisopropyl ether	5.95	45	5041540	152.824	ug/l	98
23) Vinyl Acetate	5.90	43	15469055	788.039	ug/l	99
24) 1,1-Dichloroethane	5.85	63	2914848	153.220	ug/l	100
25) 2-Butanone	6.83	43	2887650	756.800	ug/l	100
26) 2,2-Dichloropropane	6.83	77	2193459	156.570	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	1792730	153.999	ug/l	100
28) Bromochloromethane	7.19	49	1297938	151.938	ug/l	100
29) Tetrahydrofuran	7.21	42	2015419	773.715	ug/l	100
30) Chloroform	7.37	83	2811653	151.560	ug/l	100
31) Cyclohexane	7.65	56	2761420	130.191	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	2412396	155.423	ug/l	99
36) 1,1-Dichloropropene	7.79	75	2255967	153.811	ug/l	99
37) Ethyl Acetate	6.93	43	1378339	156.433	ug/l	99
38) Carbon Tetrachloride	7.78	117	2133281	158.017	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2779291	154.414	ug/l	99
40) Benzene	8.04	78	6719253	152.636	ug/l	99
41) Methacrylonitrile	7.17	41	739307	151.435	ug/l	96
42) 1,2-Dichloroethane	8.12	62	2001051	150.991	ug/l	99
43) Isopropyl Acetate	8.16	43	2514243	139.176	ug/l	98
44) Trichloroethene	8.84	130	1796455	151.082	ug/l	98
45) 1,2-Dichloropropane	9.12	63	1775837	154.015	ug/l	100
46) Dibromomethane	9.21	93	1012512	151.416	ug/l	99
47) Bromodichloromethane	9.40	83	2180087	157.218	ug/l	99
48) Methyl methacrylate	9.20	41	1291135	162.974	ug/l	100
49) 1,4-Dioxane	9.20	88	281632	3131.850	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	6430882	776.339	ug/l	100
52) Toluene	10.16	92	4115245	154.349	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	2340207	167.712	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	2685544	161.511	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	1434303	150.701	ug/l	99
56) Ethyl methacrylate	10.43	69	2002038	163.910	ug/l	99
57) 1,3-Dichloropropane	10.71	76	2498458	153.081	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	5474898	803.323	ug/l	100
59) 2-Hexanone	10.75	43	4369694	769.732	ug/l	100
60) Dibromochloromethane	10.90	129	1660745	161.454	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1474859	156.770	ug/l	99
64) Tetrachloroethene	10.63	164	1813198	146.715	ug/l	99
65) Chlorobenzene	11.43	112	4568241	153.132	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1628633	156.974	ug/l	100
67) Ethyl Benzene	11.51	91	7996662	156.092	ug/l	100
68) m/p-Xylenes	11.62	106	6008184	312.331	ug/l	100
69) o-Xylene	11.95	106	2928266	155.890	ug/l	100
70) Styrene	11.97	104	4863727	161.071	ug/l	100
71) Bromoform	12.13	173	1164538	165.217	ug/l #	100
73) Isopropylbenzene	12.25	105	7747771	147.250	ug/l	99
74) N-amyl acetate	12.07	43	2281769	157.959	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1698322	144.022	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1485834m	126.415	ug/l	
77) Bromobenzene	12.53	156	1976999	147.727	ug/l	99
78) n-propylbenzene	12.59	91	9030619	150.490	ug/l	99
79) 2-Chlorotoluene	12.68	91	5209649	146.849	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	6355580	149.632	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	550366	170.049	ug/l	95
82) 4-Chlorotoluene	12.77	91	5417686	149.363	ug/l	100
83) tert-Butylbenzene	12.99	119	5552713	148.198	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	6478874	150.672	ug/l	100
85) sec-Butylbenzene	13.17	105	7678169	151.317	ug/l	100
86) p-Isopropyltoluene	13.29	119	6784479	154.326	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	3588666	150.898	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	3569743	151.572	ug/l	99
89) n-Butylbenzene	13.62	91	5991105	161.884	ug/l	100
90) Hexachloroethane	13.88	117	1176513	159.823	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	3359512	146.852	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	279063	156.994	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	2086218	167.763	ug/l	100
94) Hexachlorobutadiene	15.01	225	1032267	143.413	ug/l	100
95) Naphthalene	15.13	128	4384234	170.225	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1891828	165.797	ug/l	99

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

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