

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053401.D
 Acq On : 15 Jan 2019 11:29
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:51:12 AM

Quant Time: Jan 16 03:10:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	874376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1326840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1257664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	626415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1301211	150.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.12%	
35) Dibromofluoromethane	7.59	113	1171463	154.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.40%	
50) Toluene-d8	10.09	98	4888035	152.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.26%	
62) 4-Bromofluorobenzene	12.40	95	1798996	160.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	320.40%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	1085591	154.423	ug/l 99
3) Chloromethane	2.06	50	1551044	154.315	ug/l 100
4) Vinyl Chloride	2.19	62	1466751	151.387	ug/l 100
5) Bromomethane	2.55	94	1014710	152.635	ug/l 99
6) Chloroethane	2.70	64	879859	150.203	ug/l 99
7) Trichlorofluoromethane	3.02	101	1924707	151.874	ug/l 100
8) Diethyl Ether	3.41	74	762708	160.240	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1216816	151.609	ug/l 99
10) Methyl Iodide	3.96	142	1979796	161.419	ug/l 100
11) Tert butyl alcohol	4.78	59	364887	862.846	ug/l 100
12) 1,1-Dichloroethene	3.74	96	1203284	154.570	ug/l 99
13) Acrolein	3.60	56	670727	761.627	ug/l 100
14) Allyl chloride	4.33	41	2066655	163.438	ug/l 95
15) Acrylonitrile	4.98	53	2320064	833.635	ug/l 100
16) Acetone	3.81	43	1512779	746.074	ug/l 100
17) Carbon Disulfide	4.06	76	3740493	158.890	ug/l 100
18) Methyl Acetate	4.32	43	1092643	159.942	ug/l 100
19) Methyl tert-butyl Ether	5.04	73	3364904	162.679	ug/l 98
20) Methylene Chloride	4.55	84	1396985	150.906	ug/l 100
21) trans-1,2-Dichloroethene	5.05	96	1300803	156.296	ug/l 100
22) Diisopropyl ether	5.95	45	4107669	155.609	ug/l 98
23) Vinyl Acetate	5.90	43	13519600	833.166	ug/l 99
24) 1,1-Dichloroethane	5.85	63	2414431	154.720	ug/l 99
25) 2-Butanone	6.83	43	2523352	807.566	ug/l 99
26) 2,2-Dichloropropane	6.83	77	1857873	157.684	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	1496201	157.216	ug/l 99
28) Bromochloromethane	7.19	49	1036149	150.719	ug/l 98
29) Tetrahydrofuran	7.21	42	1673399	822.653	ug/l 99
30) Chloroform	7.37	83	2337912	153.767	ug/l 98
31) Cyclohexane	7.65	56	2286435	151.008	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	2020083	156.625	ug/l 99
36) 1,1-Dichloropropene	7.79	75	1882472	155.786	ug/l 99
37) Ethyl Acetate	6.93	43	1134513	161.847	ug/l 99
38) Carbon Tetrachloride	7.78	117	1789215	156.399	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2370512	158.718	ug/l	100
40) Benzene	8.04	78	5632384	153.386	ug/l	99
41) Methacrylonitrile	7.17	41	629425	145.208	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1652917	154.512	ug/l	100
43) Isopropyl Acetate	8.16	43	2078778	159.254	ug/l	98
44) Trichloroethene	8.83	130	1554876	152.692	ug/l	99
45) 1,2-Dichloropropane	9.12	63	1497353	153.953	ug/l	99
46) Dibromomethane	9.21	93	860868	154.057	ug/l	100
47) Bromodichloromethane	9.40	83	1850498	157.470	ug/l	100
48) Methyl methacrylate	9.20	41	1080338	167.380	ug/l	99
49) 1,4-Dioxane	9.20	88	200748	3184.690	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	5667358	830.496	ug/l	99
52) Toluene	10.16	92	3554592	155.926	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	2024430	169.959	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	2266995	162.357	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	1249188	158.941	ug/l	98
56) Ethyl methacrylate	10.43	69	1750783	152.564	ug/l	99
57) 1,3-Dichloropropane	10.71	76	2154704	158.481	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	4590587	834.897	ug/l	100
59) 2-Hexanone	10.75	43	3924416	819.223	ug/l	99
60) Dibromochloromethane	10.90	129	1476157	165.594	ug/l	99
61) 1,2-Dibromoethane	11.01	107	1311445	164.988	ug/l	99
64) Tetrachloroethene	10.63	164	1663418	140.348	ug/l	100
65) Chlorobenzene	11.44	112	4097675	153.929	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1447785	156.333	ug/l	100
67) Ethyl Benzene	11.51	91	7083574	156.136	ug/l	99
68) m/p-Xylenes	11.62	106	5401882	315.366	ug/l	99
69) o-Xylene	11.95	106	2650317	159.236	ug/l	99
70) Styrene	11.96	104	4398641	162.835	ug/l	100
71) Bromoform	12.13	173	1083240	169.904	ug/l #	99
73) Isopropylbenzene	12.25	105	6982305	152.210	ug/l	99
74) N-amyl acetate	12.07	43	1980370	161.945	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1483899	154.239	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1345833m	170.641	ug/l	
77) Bromobenzene	12.53	156	1836797	151.957	ug/l	100
78) n-propylbenzene	12.59	91	8182144	155.388	ug/l	99
79) 2-Chlorotoluene	12.68	91	4721904	151.286	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	5794995	155.266	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	514819	152.367	ug/l	97
82) 4-Chlorotoluene	12.77	91	4917974	154.511	ug/l	99
83) tert-Butylbenzene	12.99	119	5146745	156.128	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	5929054	157.548	ug/l	99
85) sec-Butylbenzene	13.17	105	7070338	156.391	ug/l	100
86) p-Isopropyltoluene	13.29	119	6253180	159.297	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	3261648	153.399	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	3210140	150.511	ug/l	99
89) n-Butylbenzene	13.62	91	5436154	162.463	ug/l	100
90) Hexachloroethane	13.88	117	1045526	169.825	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	2920062	149.276	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	200255	164.159	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	1378509	153.645	ug/l	100
94) Hexachlorobutadiene	15.01	225	863425	141.495	ug/l	99
95) Naphthalene	15.13	128	2468421	154.104	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1032885	154.681	ug/l	99

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

