

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055003.D
 Acq On : 12 Apr 2019 16:58
 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
 4/16/2019 1:58:19 PM

Quant Time: Apr 13 03:24:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	454540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	722489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	655565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	294216	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	696221	116.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	233.06%	
35) Dibromofluoromethane	7.59	113	564351	120.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	240.04%	
50) Toluene-d8	10.09	98	2156474	121.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	242.74%	
62) 4-Bromofluorobenzene	12.40	95	758068	128.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	256.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	733589	136.930	ug/l	100
3) Chloromethane	2.06	50	949597	134.444	ug/l	98
4) Vinyl Chloride	2.19	62	771131	125.916	ug/l	98
5) Bromomethane	2.54	94	422976	120.738	ug/l	96
6) Chloroethane	2.69	64	415974	121.369	ug/l	98
7) Trichlorofluoromethane	3.01	101	959428	128.438	ug/l	99
8) Diethyl Ether	3.41	74	308360	128.767	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	491345	124.275	ug/l	100
10) Methyl Iodide	3.94	142	761236	136.620	ug/l	99
11) Tert butyl alcohol	4.83	59	286045	898.667	ug/l	100
12) 1,1-Dichloroethene	3.73	96	470519	120.277	ug/l	99
13) Acrolein	3.60	56	301825	725.923	ug/l	98
14) Allyl chloride	4.31	41	1298697	147.798	ug/l	99
15) Acrylonitrile	4.99	53	1503524	801.341	ug/l	99
16) Acetone	3.82	43	1050644	624.771	ug/l	100
17) Carbon Disulfide	4.04	76	1714825	137.687	ug/l	100
18) Methyl Acetate	4.33	43	684328	150.337	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1906270	147.203	ug/l	99
20) Methylene Chloride	4.54	84	743009	133.955	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	673189	136.292	ug/l	93
22) Diisopropyl ether	5.96	45	2620103	144.650	ug/l	99
23) Vinyl Acetate	5.90	43	9946182	788.199	ug/l	100
24) 1,1-Dichloroethane	5.84	63	1355016	137.617	ug/l	99
25) 2-Butanone	6.85	43	1918471	845.754	ug/l	100
26) 2,2-Dichloropropane	6.82	77	926431	135.094	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	789824	140.413	ug/l	99
28) Bromochloromethane	7.19	49	538657	115.856	ug/l	100
29) Tetrahydrofuran	7.22	42	1239999	826.836	ug/l	99
30) Chloroform	7.37	83	1292041	138.282	ug/l	100
31) Cyclohexane	7.65	56	1276275	113.575	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	1078925	137.406	ug/l	99
36) 1,1-Dichloropropene	7.79	75	996870	141.263	ug/l	100
37) Ethyl Acetate	6.94	43	806461	162.605	ug/l	99
38) Carbon Tetrachloride	7.77	117	924373	136.101	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1135918	146.091	ug/l	99
40) Benzene	8.04	78	2965124	145.181	ug/l	100
41) Methacrylonitrile	7.18	41	468059	165.548	ug/l	96
42) 1,2-Dichloroethane	8.12	62	1007529	140.097	ug/l	100
43) Isopropyl Acetate	8.17	43	1414167	169.458	ug/l	99
44) Trichloroethene	8.83	130	756781	144.790	ug/l	99
45) 1,2-Dichloropropane	9.12	63	832935	146.341	ug/l	100
46) Dibromomethane	9.21	93	473540	145.504	ug/l	97
47) Bromodichloromethane	9.40	83	1026907	151.381	ug/l	99
48) Methyl methacrylate	9.20	41	725996	173.035	ug/l	100
49) 1,4-Dioxane	9.20	88	154557	3578.770	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	4074733	870.444	ug/l	99
52) Toluene	10.16	92	1794993	149.361	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1071621	172.155	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1237134	162.417	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	669645	152.210	ug/l	98
56) Ethyl methacrylate	10.43	69	993553	173.406	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1180872	153.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2086486	926.548	ug/l	99
59) 2-Hexanone	10.75	43	2642082	907.475	ug/l	100
60) Dibromochloromethane	10.90	129	756253	165.225	ug/l	99
61) 1,2-Dibromoethane	11.01	107	683316	165.648	ug/l	99
64) Tetrachloroethene	10.63	164	687002	130.876	ug/l	98
65) Chlorobenzene	11.43	112	1909526	144.645	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	722660	149.487	ug/l	99
67) Ethyl Benzene	11.51	91	3469682	145.853	ug/l	100
68) m/p-Xylenes	11.62	106	2566905	294.885	ug/l	100
69) o-Xylene	11.95	106	1241806	146.499	ug/l	100
70) Styrene	11.96	104	2134837	156.797	ug/l	99
71) Bromoform	12.13	173	502901	171.869	ug/l	100
73) Isopropylbenzene	12.25	105	3318066	134.412	ug/l	99
74) N-amyl acetate	12.07	43	1169857	169.230	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	848610	137.902	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	713971m	134.362	ug/l	
77) Bromobenzene	12.53	156	832813	139.125	ug/l	99
78) n-propylbenzene	12.59	91	3740681	137.494	ug/l	100
79) 2-Chlorotoluene	12.67	91	2239582	132.825	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2737303	135.111	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	236562	186.586	ug/l	89
82) 4-Chlorotoluene	12.77	91	2278873	142.911	ug/l	100
83) tert-Butylbenzene	12.99	119	2309011	133.625	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2716023	138.674	ug/l	99
85) sec-Butylbenzene	13.17	105	3025811	135.373	ug/l	99
86) p-Isopropyltoluene	13.29	119	2689911	139.809	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1407521	141.839	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1383659	146.274	ug/l	99
89) n-Butylbenzene	13.61	91	2346497	153.680	ug/l	100
90) Hexachloroethane	13.87	117	472726	147.718	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1343910	137.513	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	134448	156.999	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	772382	179.754	ug/l	99
94) Hexachlorobutadiene	15.01	225	416248	127.115	ug/l	99
95) Naphthalene	15.13	128	1853046	195.268	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	755956	169.328	ug/l	99

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

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