

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\
 Data File : VN049788.D
 Acq On : 13 Jul 2018 10:06
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/16/2018 11:02:42 AM

Quant Time: Jul 13 23:58:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1358483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1898505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1749456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	920901	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	688842	43.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.18%	
35) Dibromofluoromethane	7.59	113	662643	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
50) Toluene-d8	10.09	98	2238554	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	
62) 4-Bromofluorobenzene	12.40	95	829928	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	575300	48.86	ug/l	97
3) Chloromethane	2.06	50	740626	47.47	ug/l	100
4) Vinyl Chloride	2.18	62	839473	48.70	ug/l	99
5) Bromomethane	2.56	94	506447	47.36	ug/l	99
6) Chloroethane	2.70	64	542487	44.90	ug/l	98
7) Trichlorofluoromethane	3.02	101	1190001	46.20	ug/l	97
8) Diethyl Ether	3.41	74	418754	45.37	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	766930	45.87	ug/l	99
10) Methyl Iodide	3.95	142	1021215	48.06	ug/l	99
11) Tert butyl alcohol	4.80	59	219405	207.44	ug/l	98
12) 1,1-Dichloroethene	3.73	96	661671	45.04	ug/l	100
13) Acrolein	3.61	56	185726	199.92	ug/l	99
14) Allyl chloride	4.32	41	1106713	46.16	ug/l	99
15) Acrylonitrile	4.99	53	1162126	219.40	ug/l	99
16) Acetone	3.82	43	946176	243.22	ug/l	99
17) Carbon Disulfide	4.05	76	1775277	47.15	ug/l	100
18) Methyl Acetate	4.33	43	597050	45.16	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1877380	46.07	ug/l	100
20) Methylene Chloride	4.55	84	775584	47.80	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	721373	44.93	ug/l	99
22) Diisopropyl ether	5.96	45	2389080	48.51	ug/l	96
23) Vinyl Acetate	5.90	43	7760136	235.14	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1411629	45.63	ug/l	99
25) 2-Butanone	6.84	43	1386389	225.13	ug/l	99
26) 2,2-Dichloropropane	6.82	77	1222010	47.59	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	856333	46.63	ug/l	99
28) Bromochloromethane	7.19	49	651417	46.29	ug/l	99
29) Tetrahydrofuran	7.21	42	836632	216.35	ug/l	99
30) Chloroform	7.37	83	1458859	45.76	ug/l	99
31) Cyclohexane	7.65	56	1166879	47.38	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1245482	46.00	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1077403	49.25	ug/l	100
37) Ethyl Acetate	6.93	43	589165	45.50	ug/l	99
38) Carbon Tetrachloride	7.77	117	1103950	48.27	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1162636	50.42	ug/l	98
40) Benzene	8.04	78	3200248	48.90	ug/l	100
41) Methacrylonitrile	7.17	41	346712	47.33	ug/l	97
42) 1,2-Dichloroethane	8.12	62	1015782	47.45	ug/l	100
43) Isopropyl Acetate	8.17	43	1081323	46.46	ug/l	95
44) Trichloroethene	8.83	130	843668	47.87	ug/l	100
45) 1,2-Dichloropropane	9.12	63	850721	48.37	ug/l	99
46) Dibromomethane	9.21	93	492860	47.18	ug/l	99
47) Bromodichloromethane	9.40	83	1113355	48.40	ug/l	99
48) Methyl methacrylate	9.20	41	558311	47.97	ug/l	99
49) 1,4-Dioxane	9.20	88	134412	881.45	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	2992876	236.81	ug/l	100
52) Toluene	10.16	92	1995151	50.94	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1114537	50.37	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1279374	50.76	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	725707	48.95	ug/l	99
56) Ethyl methacrylate	10.43	69	890354	50.36	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1199051	48.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2173517	256.33	ug/l	100
59) 2-Hexanone	10.75	43	2094801	249.33	ug/l	100
60) Dibromochloromethane	10.90	129	842487	49.10	ug/l	99
61) 1,2-Dibromoethane	11.01	107	690498	48.44	ug/l	99
64) Tetrachloroethene	10.63	164	756226	47.61	ug/l	99
65) Chlorobenzene	11.43	112	2214665	48.59	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	850369	49.59	ug/l	99
67) Ethyl Benzene	11.51	91	3840729	51.46	ug/l	99
68) m/p-Xylenes	11.62	106	2939615	104.94	ug/l	99
69) o-Xylene	11.95	106	1419505	52.46	ug/l	98
70) Styrene	11.96	104	2343860	54.53	ug/l	100
71) Bromoform	12.13	173	564982	48.77	ug/l	99
73) Isopropylbenzene	12.25	105	3857100	50.40	ug/l	100
74) N-amyl acetate	12.07	43	959776	48.21	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	858560	48.63	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	704802m	43.08	ug/l	
77) Bromobenzene	12.53	156	965027	47.53	ug/l	99
78) n-propylbenzene	12.59	91	4429817	51.34	ug/l	100
79) 2-Chlorotoluene	12.68	91	2618578	49.59	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3134730	51.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	245041	48.37	ug/l	99
82) 4-Chlorotoluene	12.77	91	2657172	50.73	ug/l	99
83) tert-Butylbenzene	12.99	119	2759000	50.70	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3178529	52.11	ug/l	100
85) sec-Butylbenzene	13.17	105	3707660	51.99	ug/l	100
86) p-Isopropyltoluene	13.29	119	3216239	53.29	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1715186	48.72	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1668290	48.75	ug/l	99
89) n-Butylbenzene	13.62	91	2686869	53.93	ug/l	99
90) Hexachloroethane	13.88	117	606633	51.98	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1639559	47.72	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	120496	44.49	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	866701	46.16	ug/l	100
94) Hexachlorobutadiene	15.01	225	539506	51.34	ug/l	99
95) Naphthalene	15.14	128	1684483	42.06	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	841820	50.53	ug/l	100

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

