

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082718\
 Data File : VN050887.D
 Acq On : 27 Aug 2018 10:19
 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
 8/28/2018 12:20:21 PM

Quant Time: Aug 28 02:04:18 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	653515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	894595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	833160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	435466	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	378866	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	7.59	113	364863	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
50) Toluene-d8	10.09	98	1383176	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.40	95	468483	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	472100	53.98	ug/l	100
3) Chloromethane	2.06	50	512204	47.48	ug/l	99
4) Vinyl Chloride	2.18	62	503636	49.29	ug/l	100
5) Bromomethane	2.56	94	287163	49.44	ug/l	99
6) Chloroethane	2.70	64	289365	49.01	ug/l	100
7) Trichlorofluoromethane	3.01	101	660132	50.45	ug/l	99
8) Diethyl Ether	3.41	74	221928	49.88	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	423426	51.80	ug/l	99
10) Methyl Iodide	3.95	142	332334	46.79	ug/l	99
11) Tert butyl alcohol	4.79	59	119595	238.72	ug/l	99
12) 1,1-Dichloroethene	3.73	96	372244	50.71	ug/l	100
13) Acrolein	3.61	56	82743	280.48	ug/l	96
14) Allyl chloride	4.32	41	578910	50.62	ug/l	100
15) Acrylonitrile	4.99	53	651422	255.86	ug/l	99
16) Acetone	3.82	43	519881	279.90	ug/l	98
17) Carbon Disulfide	4.05	76	1135043	46.13	ug/l	100
18) Methyl Acetate	4.33	43	373722	50.31	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	972259	52.66	ug/l	99
20) Methylene Chloride	4.55	84	423004	47.71	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	396873	49.99	ug/l	98
22) Diisopropyl ether	5.95	45	1217524	53.42	ug/l	99
23) Vinyl Acetate	5.90	43	3792845	258.39	ug/l	100
24) 1,1-Dichloroethane	5.85	63	728259	49.77	ug/l	100
25) 2-Butanone	6.84	43	752722	237.41	ug/l	100
26) 2,2-Dichloropropane	6.82	77	599157	50.96	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	438925	51.28	ug/l	99
28) Bromochloromethane	7.19	49	305267	49.09	ug/l	99
29) Tetrahydrofuran	7.21	42	468838	257.92	ug/l	100
30) Chloroform	7.37	83	723491	49.93	ug/l	100
31) Cyclohexane	7.65	56	666839	50.14	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	623056	50.06	ug/l	100
36) 1,1-Dichloropropene	7.79	75	571768	54.16	ug/l	99
37) Ethyl Acetate	6.93	43	322771	53.23	ug/l	99
38) Carbon Tetrachloride	7.77	117	558576	52.35	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	641601	56.18	ug/l	100
40) Benzene	8.04	78	1688631	53.05	ug/l	100
41) Methacrylonitrile	7.17	41	154809	47.17	ug/l	92
42) 1,2-Dichloroethane	8.12	62	498716	52.40	ug/l	99
43) Isopropyl Acetate	8.17	43	551310	52.88	ug/l	100
44) Trichloroethene	8.83	130	444727	52.97	ug/l	98
45) 1,2-Dichloropropane	9.12	63	438181	52.37	ug/l	100
46) Dibromomethane	9.21	93	259189	52.72	ug/l	99
47) Bromodichloromethane	9.40	83	559061	54.30	ug/l	99
48) Methyl methacrylate	9.20	41	286519	53.92	ug/l	100
49) 1,4-Dioxane	9.20	88	77749	1073.32	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1590604	255.64	ug/l	99
52) Toluene	10.16	92	1052887	55.83	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	555202	54.17	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	650424	55.42	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	366531	52.37	ug/l	99
56) Ethyl methacrylate	10.43	69	449998	49.45	ug/l	100
57) 1,3-Dichloropropane	10.71	76	622910	53.92	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1004456	252.68	ug/l	100
59) 2-Hexanone	10.75	43	1095833	264.56	ug/l	99
60) Dibromochloromethane	10.90	129	430128	54.89	ug/l	99
61) 1,2-Dibromoethane	11.01	107	363310	53.68	ug/l	100
64) Tetrachloroethene	10.63	164	406777	51.40	ug/l	99
65) Chlorobenzene	11.43	112	1145752	52.61	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	426582	53.54	ug/l	100
67) Ethyl Benzene	11.51	91	1970212	55.65	ug/l	99
68) m/p-Xylenes	11.62	106	1535594	114.27	ug/l	100
69) o-Xylene	11.95	106	729195	56.44	ug/l	100
70) Styrene	11.96	104	1182117	51.87	ug/l	100
71) Bromoform	12.13	173	299735	54.70	ug/l #	100
73) Isopropylbenzene	12.25	105	1955545	54.23	ug/l	100
74) N-amyl acetate	12.07	43	467354	51.58	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	458876	53.49	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	361312m	47.37	ug/l	
77) Bromobenzene	12.53	156	494973	50.51	ug/l	98
78) n-propylbenzene	12.59	91	2248954	55.83	ug/l	100
79) 2-Chlorotoluene	12.67	91	1325239	52.82	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1602176	55.07	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	119490	52.96	ug/l	99
82) 4-Chlorotoluene	12.77	91	1338524	54.04	ug/l	100
83) tert-Butylbenzene	12.99	119	1372462	54.47	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1638409	55.98	ug/l	100
85) sec-Butylbenzene	13.17	105	1851711	56.08	ug/l	100
86) p-Isopropyltoluene	13.29	119	1638565	58.24	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	872207	52.45	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	843887	51.56	ug/l	100
89) n-Butylbenzene	13.62	91	1316791	58.52	ug/l	99
90) Hexachloroethane	13.87	117	294318	54.87	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	833469	51.95	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61916	47.81	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	405073	48.65	ug/l	99
94) Hexachlorobutadiene	15.01	225	271290	57.20	ug/l	99
95) Naphthalene	15.13	128	753469	44.03	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	394862	50.44	ug/l	98

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

