

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
 Data File : VN050809.D
 Acq On : 22 Aug 2018 10:45
 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
 8/23/2018 10:52:25 AM

Quant Time: Aug 23 01:13:58 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	667584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	906765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	842688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	441453	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	387948	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
35) Dibromofluoromethane	7.59	113	366416	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.09	98	1414494	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
62) 4-Bromofluorobenzene	12.40	95	470880	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	485455	54.34	ug/l	100
3) Chloromethane	2.06	50	516000	46.83	ug/l	99
4) Vinyl Chloride	2.18	62	513699	49.21	ug/l	100
5) Bromomethane	2.56	94	287245	48.39	ug/l	99
6) Chloroethane	2.70	64	293275	48.63	ug/l	100
7) Trichlorofluoromethane	3.01	101	664668	49.73	ug/l	99
8) Diethyl Ether	3.41	74	216480	47.63	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	422311	50.57	ug/l	98
10) Methyl Iodide	3.95	142	333506	46.08	ug/l	99
11) Tert butyl alcohol	4.79	59	116320	227.29	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	369436	49.27	ug/l	100
13) Acrolein	3.61	56	60233	205.02	ug/l	99
14) Allyl chloride	4.32	41	574003	49.13	ug/l	100
15) Acrylonitrile	4.99	53	636453	244.71	ug/l	99
16) Acetone	3.82	43	505720	266.19	ug/l	98
17) Carbon Disulfide	4.05	76	1167434	46.45	ug/l	99
18) Methyl Acetate	4.33	43	345604	45.54	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	953326	50.55	ug/l	100
20) Methylene Chloride	4.55	84	420277	46.40	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	399179	49.22	ug/l	97
22) Diisopropyl ether	5.95	45	1202946	51.66	ug/l	100
23) Vinyl Acetate	5.90	43	3858518	257.32	ug/l	100
24) 1,1-Dichloroethane	5.85	63	724861	48.49	ug/l	100
25) 2-Butanone	6.84	43	746700	230.55	ug/l	99
26) 2,2-Dichloropropane	6.83	77	588771	49.02	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	433182	49.55	ug/l	99
28) Bromochloromethane	7.19	49	310950	48.95	ug/l	98
29) Tetrahydrofuran	7.21	42	465048	250.44	ug/l	99
30) Chloroform	7.37	83	724029	48.91	ug/l	99
31) Cyclohexane	7.65	56	663885	48.88	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	627077	49.32	ug/l	99
36) 1,1-Dichloropropene	7.79	75	571046	53.37	ug/l	99
37) Ethyl Acetate	6.93	43	314652	51.19	ug/l	100
38) Carbon Tetrachloride	7.77	117	562235	51.98	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	636102	54.95	ug/l	99
40) Benzene	8.04	78	1694927	52.53	ug/l	100
41) Methacrylonitrile	7.17	41	140903	42.36	ug/l #	83
42) 1,2-Dichloroethane	8.12	62	503059	52.15	ug/l	100
43) Isopropyl Acetate	8.17	43	559473	52.94	ug/l	99
44) Trichloroethene	8.83	130	444012	52.18	ug/l	99
45) 1,2-Dichloropropane	9.12	63	442592	52.19	ug/l	99
46) Dibromomethane	9.21	93	255009	51.18	ug/l	98
47) Bromodichloromethane	9.40	83	549512	52.65	ug/l	99
48) Methyl methacrylate	9.20	41	282417	52.44	ug/l	98
49) 1,4-Dioxane	9.20	88	77951	1061.67	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1570707	249.06	ug/l	99
52) Toluene	10.16	92	1041130	54.47	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	553447	53.28	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	643454	54.09	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	371993	52.44	ug/l	99
56) Ethyl methacrylate	10.43	69	441364	47.93	ug/l	99
57) 1,3-Dichloropropane	10.71	76	616222	52.62	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	976014	242.74	ug/l	100
59) 2-Hexanone	10.75	43	1089258	259.44	ug/l	100
60) Dibromochloromethane	10.90	129	426045	53.64	ug/l	99
61) 1,2-Dibromoethane	11.01	107	362991	52.91	ug/l	98
64) Tetrachloroethene	10.63	164	407285	50.89	ug/l	99
65) Chlorobenzene	11.43	112	1133363	51.46	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	423237	52.52	ug/l	99
67) Ethyl Benzene	11.51	91	1966720	54.92	ug/l	100
68) m/p-Xylenes	11.62	106	1540790	113.36	ug/l	99
69) o-Xylene	11.95	106	728753	55.77	ug/l	99
70) Styrene	11.96	104	1171720	50.86	ug/l	99
71) Bromoform	12.13	173	293133	52.89	ug/l #	100
73) Isopropylbenzene	12.25	105	1928259	52.75	ug/l	100
74) N-amyl acetate	12.07	43	469930	51.16	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	451395	51.86	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	365563m	47.28	ug/l	
77) Bromobenzene	12.53	156	494411	49.77	ug/l	97
78) n-propylbenzene	12.59	91	2229651	54.60	ug/l	100
79) 2-Chlorotoluene	12.68	91	1312579	51.60	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1607581	54.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	115666	50.57	ug/l	97
82) 4-Chlorotoluene	12.77	91	1331380	53.02	ug/l	100
83) tert-Butylbenzene	12.99	119	1377541	53.93	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1629576	54.93	ug/l	99
85) sec-Butylbenzene	13.17	105	1821266	54.41	ug/l	100
86) p-Isopropyltoluene	13.29	119	1607240	56.35	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	869138	51.55	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	836952	50.44	ug/l	100
89) n-Butylbenzene	13.62	91	1287126	56.43	ug/l	100
90) Hexachloroethane	13.88	117	289195	53.19	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	825597	50.76	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61163	46.59	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	398767	47.36	ug/l	99
94) Hexachlorobutadiene	15.01	225	262568	54.56	ug/l	99
95) Naphthalene	15.13	128	751281	43.39	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	382002	48.28	ug/l	100

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

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