

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050423.D
 Acq On : 7 Aug 2018 11:38
 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
 8/8/2018 10:47:06 AM

Quant Time: Aug 08 05:36:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	708192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	974493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	922726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	510490	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	436600	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
35) Dibromofluoromethane	7.59	113	406328	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
50) Toluene-d8	10.09	98	1527607	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.40	95	528532	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	376079	47.84	ug/l	100
3) Chloromethane	2.06	50	451921	48.61	ug/l	100
4) Vinyl Chloride	2.18	62	481069	47.28	ug/l	98
5) Bromomethane	2.56	94	259014	52.49	ug/l	99
6) Chloroethane	2.70	64	292220	46.61	ug/l	99
7) Trichlorofluoromethane	3.01	101	631356	48.04	ug/l	99
8) Diethyl Ether	3.41	74	215823	44.78	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	398867	49.11	ug/l	100
10) Methyl Iodide	3.95	142	188772	52.76	ug/l	99
11) Tert butyl alcohol	4.79	59	139331	183.30	ug/l	100
12) 1,1-Dichloroethene	3.73	96	355555	46.44	ug/l	97
13) Acrolein	3.61	56	197589	202.81	ug/l	98
14) Allyl chloride	4.32	41	560530	45.59	ug/l	98
15) Acrylonitrile	4.99	53	689737	216.63	ug/l	99
16) Acetone	3.82	43	612619	217.05	ug/l	100
17) Carbon Disulfide	4.05	76	1084474	43.56	ug/l	99
18) Methyl Acetate	4.33	43	321202	43.78	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	989144	45.52	ug/l	100
20) Methylene Chloride	4.55	84	416504	48.21	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	387371	46.75	ug/l	100
22) Diisopropyl ether	5.95	45	1223509	48.71	ug/l	99
23) Vinyl Acetate	5.90	43	4219130	235.43	ug/l	100
24) 1,1-Dichloroethane	5.85	63	717432	46.55	ug/l	100
25) 2-Butanone	6.84	43	1013180	216.09	ug/l	100
26) 2,2-Dichloropropane	6.82	77	604212	47.56	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	434694	47.34	ug/l	100
28) Bromochloromethane	7.19	49	346331	48.82	ug/l	100
29) Tetrahydrofuran	7.21	42	522951	208.37	ug/l	99
30) Chloroform	7.37	83	736876	47.83	ug/l	98
31) Cyclohexane	7.65	56	653273	48.14	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	627408	47.42	ug/l	100
36) 1,1-Dichloropropene	7.79	75	570320	53.27	ug/l	99
37) Ethyl Acetate	6.93	43	357161	46.32	ug/l	99
38) Carbon Tetrachloride	7.77	117	562359	50.35	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	640400	54.79	ug/l	99
40) Benzene	8.04	78	1684942	51.19	ug/l	99
41) Methacrylonitrile	7.17	41	181795	44.34	ug/l	87
42) 1,2-Dichloroethane	8.13	62	531462	50.86	ug/l	100
43) Isopropyl Acetate	8.17	43	636149	47.79	ug/l #	87
44) Trichloroethene	8.84	130	442356	50.01	ug/l	100
45) 1,2-Dichloropropane	9.12	63	443063	51.19	ug/l	100
46) Dibromomethane	9.21	93	267050	49.97	ug/l	98
47) Bromodichloromethane	9.40	83	566612	51.19	ug/l	100
48) Methyl methacrylate	9.20	41	323254	48.45	ug/l	99
49) 1,4-Dioxane	9.20	88	89686	872.13	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2277536	237.58	ug/l	99
52) Toluene	10.16	92	1064633	53.84	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	579832	52.17	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	658235	53.07	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	386709	50.09	ug/l	99
56) Ethyl methacrylate	10.43	69	497574	45.70	ug/l	98
57) 1,3-Dichloropropane	10.71	76	646327	51.01	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1236422	243.03	ug/l	100
59) 2-Hexanone	10.75	43	1616432	241.61	ug/l	99
60) Dibromochloromethane	10.90	129	435008	51.15	ug/l	97
61) 1,2-Dibromoethane	11.01	107	386091	50.74	ug/l	98
64) Tetrachloroethene	10.63	164	451649	52.39	ug/l	99
65) Chlorobenzene	11.43	112	1152686	49.83	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	429028	50.96	ug/l	100
67) Ethyl Benzene	11.51	91	2004748	53.61	ug/l	99
68) m/p-Xylenes	11.62	106	1564720	109.92	ug/l	99
69) o-Xylene	11.95	106	733166	53.47	ug/l	100
70) Styrene	11.96	104	1241134	55.66	ug/l	99
71) Bromoform	12.13	173	311952	50.70	ug/l #	100
73) Isopropylbenzene	12.25	105	1982817	51.74	ug/l	99
74) N-amyl acetate	12.07	43	572591	46.10	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	493781	44.66	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	413528m	44.75	ug/l	
77) Bromobenzene	12.53	156	509406	49.62	ug/l	99
78) n-propylbenzene	12.59	91	2351464	54.21	ug/l	100
79) 2-Chlorotoluene	12.68	91	1358190	50.70	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1679386	53.99	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	133628	50.81	ug/l	97
82) 4-Chlorotoluene	12.77	91	1412286	52.86	ug/l	100
83) tert-Butylbenzene	12.99	119	1411821	52.03	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1717653	54.51	ug/l	100
85) sec-Butylbenzene	13.17	105	1927695	53.30	ug/l	99
86) p-Isopropyltoluene	13.29	119	1711526	55.22	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	924490	50.56	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	903227	49.47	ug/l	99
89) n-Butylbenzene	13.62	91	1423867	53.96	ug/l	99
90) Hexachloroethane	13.88	117	275382	49.96	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	880843	48.06	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	74838	39.87	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	484652	51.91	ug/l	98
94) Hexachlorobutadiene	15.01	225	276097	54.28	ug/l	99
95) Naphthalene	15.14	128	1029698	42.26	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	458260	48.55	ug/l	100

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

