

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082318\
 Data File : VN050837.D
 Acq On : 23 Aug 2018 8:31
 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
 8/24/2018 10:40:28 AM

Quant Time: Aug 24 01:17:58 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	700927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	972277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	891063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	457596	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	400182	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
35) Dibromofluoromethane	7.59	113	380750	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	10.09	98	1462106	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.40	95	487788	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.85	85	492530	52.51	ug/l	100
3) Chloromethane	2.06	50	527694	45.61	ug/l	99
4) Vinyl Chloride	2.18	62	534007	48.72	ug/l	100
5) Bromomethane	2.56	94	300720	48.24	ug/l	97
6) Chloroethane	2.70	64	298167	47.09	ug/l	98
7) Trichlorofluoromethane	3.01	101	687830	49.01	ug/l	99
8) Diethyl Ether	3.41	74	230673	48.34	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	431847	49.25	ug/l	99
10) Methyl Iodide	3.95	142	328360	43.60	ug/l	100
11) Tert butyl alcohol	4.79	59	121032	225.25	ug/l	99
12) 1,1-Dichloroethene	3.73	96	386905	49.15	ug/l	98
13) Acrolein	3.61	56	58902	192.19	ug/l	97
14) Allyl chloride	4.32	41	602388	49.11	ug/l	99
15) Acrylonitrile	4.99	53	648685	237.55	ug/l	100
16) Acetone	3.82	43	478454	239.14	ug/l	99
17) Carbon Disulfide	4.05	76	1187318	44.99	ug/l	100
18) Methyl Acetate	4.33	43	360841	45.29	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1009601	50.98	ug/l	99
20) Methylene Chloride	4.55	84	440313	46.30	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	415544	48.80	ug/l	98
22) Diisopropyl ether	5.95	45	1261103	51.59	ug/l	99
23) Vinyl Acetate	5.90	43	4016434	255.11	ug/l	100
24) 1,1-Dichloroethane	5.85	63	758796	48.35	ug/l	99
25) 2-Butanone	6.84	43	734330	215.95	ug/l	99
26) 2,2-Dichloropropane	6.82	77	613859	48.68	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	457469	49.84	ug/l	99
28) Bromochloromethane	7.20	49	318782	47.80	ug/l	100
29) Tetrahydrofuran	7.21	42	479522	245.95	ug/l	99
30) Chloroform	7.37	83	752215	48.40	ug/l	99
31) Cyclohexane	7.65	56	693620	48.64	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	649640	48.66	ug/l	99
36) 1,1-Dichloropropene	7.79	75	597536	52.08	ug/l	100
37) Ethyl Acetate	6.93	43	322864	48.99	ug/l	99
38) Carbon Tetrachloride	7.77	117	585707	50.50	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	668802	53.88	ug/l	98
40) Benzene	8.04	78	1770201	51.17	ug/l	100
41) Methacrylonitrile	7.17	41	177931	49.89	ug/l	98
42) 1,2-Dichloroethane	8.12	62	521527	50.42	ug/l	100
43) Isopropyl Acetate	8.17	43	588914	51.97	ug/l #	89
44) Trichloroethene	8.84	130	464012	50.85	ug/l	98
45) 1,2-Dichloropropane	9.12	63	457230	50.28	ug/l	100
46) Dibromomethane	9.21	93	267739	50.11	ug/l	100
47) Bromodichloromethane	9.40	83	573889	51.28	ug/l	99
48) Methyl methacrylate	9.20	41	296483	51.34	ug/l	99
49) 1,4-Dioxane	9.20	88	79586	1010.90	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1624019	240.16	ug/l	99
52) Toluene	10.16	92	1095412	53.45	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	577524	51.85	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	683035	53.55	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	380766	50.06	ug/l	99
56) Ethyl methacrylate	10.43	69	461829	46.83	ug/l	98
57) 1,3-Dichloropropane	10.71	76	641698	51.11	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1009107	234.50	ug/l	100
59) 2-Hexanone	10.75	43	1081522	240.24	ug/l	99
60) Dibromochloromethane	10.90	129	438915	51.53	ug/l	99
61) 1,2-Dibromoethane	11.01	107	377522	51.32	ug/l	100
64) Tetrachloroethene	10.63	164	420278	49.66	ug/l	99
65) Chlorobenzene	11.43	112	1186563	50.95	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	438092	51.41	ug/l	99
67) Ethyl Benzene	11.51	91	2041751	53.92	ug/l	100
68) m/p-Xylenes	11.62	106	1599576	111.30	ug/l	100
69) o-Xylene	11.95	106	754981	54.64	ug/l	100
70) Styrene	11.96	104	1220818	50.13	ug/l	100
71) Bromoform	12.13	173	298841	50.99	ug/l #	100
73) Isopropylbenzene	12.25	105	2014505	53.17	ug/l	100
74) N-amyl acetate	12.07	43	482199	50.65	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	464493	51.47	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	368079m	45.92	ug/l	
77) Bromobenzene	12.53	156	500353	48.59	ug/l	99
78) n-propylbenzene	12.59	91	2292524	54.16	ug/l	99
79) 2-Chlorotoluene	12.67	91	1348862	51.16	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1646916	53.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	118889	50.15	ug/l	96
82) 4-Chlorotoluene	12.77	91	1353860	52.01	ug/l	99
83) tert-Butylbenzene	12.99	119	1397865	52.79	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1664459	54.12	ug/l	99
85) sec-Butylbenzene	13.17	105	1866922	53.81	ug/l	100
86) p-Isopropyltoluene	13.29	119	1647852	55.74	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	880745	50.40	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	845749	49.18	ug/l	100
89) n-Butylbenzene	13.62	91	1313286	55.54	ug/l	99
90) Hexachloroethane	13.87	117	291183	51.67	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	838875	49.76	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	62026	45.58	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	403306	46.31	ug/l	99
94) Hexachlorobutadiene	15.01	225	264512	52.99	ug/l	100
95) Naphthalene	15.13	128	775539	43.24	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	388272	47.41	ug/l	100

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

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