

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050617.D
 Acq On : 14 Aug 2018 21:46
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:32:16 PM

Quant Time: Aug 15 13:40:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	654695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	943220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	868131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	453577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	407922	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
35) Dibromofluoromethane	7.59	113	382627	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.09	98	1439497	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.40	95	471405	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	344858	46.72	ug/l	98
3) Chloromethane	2.06	50	442677	49.21	ug/l	100
4) Vinyl Chloride	2.18	62	457194	46.63	ug/l	99
5) Bromomethane	2.56	94	259746	49.26	ug/l	97
6) Chloroethane	2.70	64	276610	50.79	ug/l	98
7) Trichlorofluoromethane	3.01	101	590221	45.88	ug/l	99
8) Diethyl Ether	3.41	74	207318	48.44	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	367747	47.27	ug/l	100
10) Methyl Iodide	3.95	142	262101	47.76	ug/l	99
11) Tert butyl alcohol	4.80	59	113160	251.13	ug/l	99
12) 1,1-Dichloroethene	3.73	96	334321	47.06	ug/l	98
13) Acrolein	3.61	56	37479	216.98	ug/l	95
14) Allyl chloride	4.32	41	528042	47.79	ug/l	99
15) Acrylonitrile	4.99	53	621510	251.13	ug/l	100
16) Acetone	3.82	43	531072	257.78	ug/l	99
17) Carbon Disulfide	4.05	76	1052025	47.06	ug/l	100
18) Methyl Acetate	4.33	43	297436	51.34	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	924185	51.12	ug/l	100
20) Methylene Chloride	4.55	84	399600	50.97	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	373272	48.47	ug/l	98
22) Diisopropyl ether	5.96	45	1171610	51.71	ug/l	99
23) Vinyl Acetate	5.90	43	3914618	264.14	ug/l	100
24) 1,1-Dichloroethane	5.85	63	690290	47.09	ug/l	100
25) 2-Butanone	6.84	43	871771	257.65	ug/l	99
26) 2,2-Dichloropropane	6.83	77	502003	51.16	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	411894	48.03	ug/l	98
28) Bromochloromethane	7.20	49	333787	50.03	ug/l	99
29) Tetrahydrofuran	7.21	42	466171	263.86	ug/l	99
30) Chloroform	7.37	83	706105	47.53	ug/l	98
31) Cyclohexane	7.65	56	614626	49.13	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	594357	47.53	ug/l	98
36) 1,1-Dichloropropene	7.80	75	542643	51.68	ug/l	99
37) Ethyl Acetate	6.93	43	326185	54.96	ug/l	100
38) Carbon Tetrachloride	7.78	117	537240	49.32	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	573352	52.74	ug/l	100
40) Benzene	8.04	78	1621897	50.78	ug/l	100
41) Methacrylonitrile	7.18	41	173367	54.03	ug/l	99
42) 1,2-Dichloroethane	8.13	62	490538	50.11	ug/l	99
43) Isopropyl Acetate	8.17	43	558921	51.67	ug/l	99
44) Trichloroethene	8.84	130	418523	48.91	ug/l	99
45) 1,2-Dichloropropane	9.12	63	428801	50.42	ug/l	99
46) Dibromomethane	9.21	93	250696	49.93	ug/l	98
47) Bromodichloromethane	9.40	83	538915	50.21	ug/l	99
48) Methyl methacrylate	9.20	41	286670	52.67	ug/l	99
49) 1,4-Dioxane	9.20	88	75509	1053.15	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2007436	274.43	ug/l	100
52) Toluene	10.16	92	1006815	52.79	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	528805	52.90	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	617403	53.84	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	361611	50.75	ug/l	98
56) Ethyl methacrylate	10.43	69	449919	49.52	ug/l	98
57) 1,3-Dichloropropane	10.71	76	608485	52.09	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1088658	250.05	ug/l	99
59) 2-Hexanone	10.75	43	1317125	278.98	ug/l	100
60) Dibromochloromethane	10.90	129	411966	52.39	ug/l	98
61) 1,2-Dibromoethane	11.01	107	358954	52.90	ug/l	98
64) Tetrachloroethene	10.63	164	394736	48.96	ug/l	99
65) Chlorobenzene	11.43	112	1088068	50.36	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	407401	50.30	ug/l	99
67) Ethyl Benzene	11.51	91	1881858	53.94	ug/l	100
68) m/p-Xylenes	11.62	106	1445495	108.34	ug/l	99
69) o-Xylene	11.95	106	684528	53.80	ug/l	100
70) Styrene	11.96	104	1141536	50.44	ug/l	99
71) Bromoform	12.13	173	280538	52.24	ug/l #	100
73) Isopropylbenzene	12.25	105	1809565	51.06	ug/l	100
74) N-amyl acetate	12.07	43	478797	51.93	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	445590	54.36	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	336167m	45.79	ug/l	
77) Bromobenzene	12.53	156	464111	48.24	ug/l	99
78) n-propylbenzene	12.59	91	2085815	52.78	ug/l	99
79) 2-Chlorotoluene	12.67	91	1232986	50.05	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1492550	52.60	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	108075	52.97	ug/l	99
82) 4-Chlorotoluene	12.77	91	1249989	51.34	ug/l	100
83) tert-Butylbenzene	12.99	119	1275396	51.78	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1527504	53.64	ug/l	100
85) sec-Butylbenzene	13.17	105	1679070	52.17	ug/l	100
86) p-Isopropyltoluene	13.29	119	1468132	53.83	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	808811	49.38	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	786525	48.38	ug/l	100
89) n-Butylbenzene	13.62	91	1158882	52.62	ug/l	100
90) Hexachloroethane	13.88	117	257672	46.99	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	785373	49.15	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	62785	49.66	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	382417	46.81	ug/l	99
94) Hexachlorobutadiene	15.01	225	235318	48.03	ug/l	99
95) Naphthalene	15.13	128	785454	45.41	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	371703	48.58	ug/l	99

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

