

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050740.D
 Acq On : 18 Aug 2018 00:02
 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
 8/20/2018 10:53:19 AM

Quant Time: Aug 18 04:31:42 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	479909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	756551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	708417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	352976	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	383955	63.47	ug/l	0.00
Spiked Amount			Recovery	=	126.94%	
35) Dibromofluoromethane	7.59	113	346198	57.32	ug/l	0.00
Spiked Amount			Recovery	=	114.64%	
50) Toluene-d8	10.09	98	1168687	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.40	95	390773	52.04	ug/l	0.00
Spiked Amount			Recovery	=	104.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	190987	35.30	ug/l	98
3) Chloromethane	2.06	50	351549	53.36	ug/l	100
4) Vinyl Chloride	2.18	62	311265	43.31	ug/l	99
5) Bromomethane	2.56	94	198240	51.38	ug/l	96
6) Chloroethane	2.70	64	217423	54.58	ug/l	99
7) Trichlorofluoromethane	3.01	101	377199	40.00	ug/l	100
8) Diethyl Ether	3.41	74	196296	62.58	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	226157	39.66	ug/l	99
10) Methyl Iodide	3.95	142	202222	49.90	ug/l	99
11) Tert butyl alcohol	4.80	59	122549	371.01	ug/l	99
12) 1,1-Dichloroethene	3.73	96	236629	45.44	ug/l	97
13) Acrolein	3.61	56	29954	237.52	ug/l	99
14) Allyl chloride	4.32	41	435984	53.83	ug/l	98
15) Acrylonitrile	4.99	53	619565	341.52	ug/l	99
16) Acetone	3.82	43	533397	353.74	ug/l	100
17) Carbon Disulfide	4.05	76	708078	43.21	ug/l	100
18) Methyl Acetate	4.33	43	321090	76.09	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	893519	67.42	ug/l	100
20) Methylene Chloride	4.55	84	359547	62.86	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	295007	52.26	ug/l	99
22) Diisopropyl ether	5.96	45	1066992	64.25	ug/l	99
23) Vinyl Acetate	5.90	43	3615360	332.80	ug/l	99
24) 1,1-Dichloroethane	5.85	63	591782	55.07	ug/l	100
25) 2-Butanone	6.84	43	867391	349.72	ug/l	100
26) 2,2-Dichloropropane	6.83	77	308173	42.85	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	357770	56.91	ug/l	98
28) Bromochloromethane	7.20	49	316662	64.75	ug/l	99
29) Tetrahydrofuran	7.22	42	468816	362.01	ug/l	99
30) Chloroform	7.37	83	613806	56.37	ug/l	99
31) Cyclohexane	7.66	56	358481	39.02	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	441966	48.22	ug/l	98
36) 1,1-Dichloropropene	7.80	75	370697	44.02	ug/l	99
37) Ethyl Acetate	6.93	43	313312	65.81	ug/l	99
38) Carbon Tetrachloride	7.78	117	365911	41.88	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	325446	37.33	ug/l	98
40) Benzene	8.04	78	1332443	52.01	ug/l	100
41) Methacrylonitrile	7.18	41	168154	65.34	ug/l	99
42) 1,2-Dichloroethane	8.13	62	449965	57.30	ug/l	100
43) Isopropyl Acetate	8.17	43	553056	63.75	ug/l	100
44) Trichloroethene	8.84	130	322409	46.98	ug/l	98
45) 1,2-Dichloropropane	9.12	63	376965	55.27	ug/l	100
46) Dibromomethane	9.21	93	231966	57.60	ug/l	97
47) Bromodichloromethane	9.40	83	479391	55.69	ug/l	99
48) Methyl methacrylate	9.20	41	274745	62.94	ug/l	99
49) 1,4-Dioxane	9.20	88	76246	1325.82	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1968967	335.58	ug/l	99
52) Toluene	10.16	92	787495	51.48	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	453571	56.57	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	515367	56.03	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	332221	58.13	ug/l	100
56) Ethyl methacrylate	10.43	69	419474	57.25	ug/l	99
57) 1,3-Dichloropropane	10.71	76	551180	58.83	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1033263	293.98	ug/l	100
59) 2-Hexanone	10.75	43	1298939	343.01	ug/l	99
60) Dibromochloromethane	10.90	129	367898	58.33	ug/l	100
61) 1,2-Dibromoethane	11.01	107	326399	59.97	ug/l	100
64) Tetrachloroethene	10.63	164	280694	42.67	ug/l	99
65) Chlorobenzene	11.44	112	870705	49.39	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	348696	52.76	ug/l	99
67) Ethyl Benzene	11.51	91	1360071	47.78	ug/l	100
68) m/p-Xylenes	11.62	106	1064004	97.72	ug/l	99
69) o-Xylene	11.95	106	526172	50.68	ug/l	100
70) Styrene	11.97	104	905012	49.03	ug/l	99
71) Bromoform	12.13	173	257744	58.81	ug/l #	100
73) Isopropylbenzene	12.25	105	1274797	46.22	ug/l	100
74) N-amyl acetate	12.07	43	447482	62.37	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	422239	66.72	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	341914m	60.16	ug/l	
77) Bromobenzene	12.53	156	381623	50.97	ug/l	97
78) n-propylbenzene	12.59	91	1425621	46.36	ug/l	99
79) 2-Chlorotoluene	12.68	91	929714	48.49	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1089182	49.33	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	91230	57.46	ug/l	99
82) 4-Chlorotoluene	12.77	91	943463	49.80	ug/l	100
83) tert-Butylbenzene	12.99	119	884169	46.13	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1133243	51.13	ug/l	99
85) sec-Butylbenzene	13.17	105	1117366	44.61	ug/l	100
86) p-Isopropyltoluene	13.29	119	1002961	47.26	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	629462	49.38	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	616757	48.75	ug/l	99
89) n-Butylbenzene	13.62	91	743414	43.38	ug/l	99
90) Hexachloroethane	13.88	117	179277	42.01	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	643785	51.77	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61118	62.11	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	284011	44.80	ug/l	100
94) Hexachlorobutadiene	15.01	225	153994	40.39	ug/l	98
95) Naphthalene	15.13	128	671034	49.47	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	293173	49.21	ug/l	99

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

