

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050721.D
 Acq On : 17 Aug 2018 11:20
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 10:52:52 AM

Quant Time: Aug 17 23:22:02 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	7.66	168	671937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	937897	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	872496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	462292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	383184	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
35) Dibromofluoromethane	7.59	113	358819	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
50) Toluene-d8	10.09	98	1364401	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
62) 4-Bromofluorobenzene	12.40	95	460102	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	335846	44.34	ug/l	99
3) Chloromethane	2.06	50	430074	46.56	ug/l	100
4) Vinyl Chloride	2.18	62	442561	43.98	ug/l	99
5) Bromomethane	2.54	94	226044	41.44	ug/l	98
6) Chloroethane	2.69	64	267080	47.69	ug/l	99
7) Trichlorofluoromethane	3.00	101	578704	43.83	ug/l	98
8) Diethyl Ether	3.41	74	208488	47.47	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	367840	46.07	ug/l	99
10) Methyl Iodide	3.95	142	217728	39.98	ug/l	100
11) Tert butyl alcohol	4.80	59	118213	255.61	ug/l	99
12) 1,1-Dichloroethene	3.73	96	327340	44.90	ug/l	100
13) Acrolein	3.61	56	27688	153.26	ug/l	98
14) Allyl chloride	4.32	41	536018	47.26	ug/l	98
15) Acrylonitrile	4.99	53	646626	254.58	ug/l	98
16) Acetone	3.82	43	593741	280.93	ug/l	99
17) Carbon Disulfide	4.05	76	991756	43.23	ug/l	100
18) Methyl Acetate	4.32	43	328404	55.31	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	924588	49.83	ug/l	99
20) Methylene Chloride	4.55	84	390351	48.45	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	365512	46.24	ug/l	97
22) Diisopropyl ether	5.95	45	1148324	49.39	ug/l	98
23) Vinyl Acetate	5.90	43	3836577	252.23	ug/l	99
24) 1,1-Dichloroethane	5.85	63	677581	45.04	ug/l	99
25) 2-Butanone	6.84	43	915233	263.55	ug/l	99
26) 2,2-Dichloropropane	6.82	77	554394	55.05	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	406809	46.22	ug/l	97
28) Bromochloromethane	7.19	49	331207	48.37	ug/l	99
29) Tetrahydrofuran	7.21	42	472206	260.42	ug/l	99
30) Chloroform	7.37	83	678024	44.47	ug/l	99
31) Cyclohexane	7.65	56	608734	47.39	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	575498	44.84	ug/l	99
36) 1,1-Dichloropropene	7.79	75	532746	51.03	ug/l	99
37) Ethyl Acetate	6.93	43	318160	53.91	ug/l	99
38) Carbon Tetrachloride	7.77	117	521704	48.17	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	581528	53.80	ug/l	100
40) Benzene	8.04	78	1574656	49.58	ug/l	99
41) Methacrylonitrile	7.17	41	160215	50.22	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	479941	49.30	ug/l	100
43) Isopropyl Acetate	8.16	43	550019	51.14	ug/l	99
44) Trichloroethene	8.83	130	412957	48.54	ug/l	99
45) 1,2-Dichloropropane	9.12	63	415855	49.18	ug/l	98
46) Dibromomethane	9.21	93	246522	49.37	ug/l	97
47) Bromodichloromethane	9.40	83	518795	48.61	ug/l	99
48) Methyl methacrylate	9.20	41	282381	52.18	ug/l	99
49) 1,4-Dioxane	9.20	88	79448	1114.38	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1976006	271.66	ug/l	100
52) Toluene	10.16	92	977851	51.56	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	527547	53.07	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	613529	53.80	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	353019	49.83	ug/l	98
56) Ethyl methacrylate	10.43	69	443655	49.12	ug/l	99
57) 1,3-Dichloropropane	10.71	76	597084	51.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1078553	249.18	ug/l	99
59) 2-Hexanone	10.75	43	1338282	285.07	ug/l	99
60) Dibromochloromethane	10.90	129	401448	51.34	ug/l	99
61) 1,2-Dibromoethane	11.00	107	348461	51.65	ug/l	100
64) Tetrachloroethene	10.63	164	390008	48.13	ug/l	98
65) Chlorobenzene	11.43	112	1070018	49.28	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	393426	48.33	ug/l	98
67) Ethyl Benzene	11.51	91	1843049	52.57	ug/l	100
68) m/p-Xylenes	11.62	106	1426925	106.41	ug/l	99
69) o-Xylene	11.95	106	677668	53.00	ug/l	99
70) Styrene	11.96	104	1128208	49.62	ug/l	99
71) Bromoform	12.13	173	275168	50.98	ug/l #	100
73) Isopropylbenzene	12.25	105	1810311	50.12	ug/l	99
74) N-amyl acetate	12.07	43	475744	50.63	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	439256	52.50	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	351945m	47.06	ug/l	
77) Bromobenzene	12.53	156	465347	47.45	ug/l	100
78) n-propylbenzene	12.59	91	2096884	52.06	ug/l	100
79) 2-Chlorotoluene	12.67	91	1242255	49.47	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1512503	52.30	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	110862	53.31	ug/l	98
82) 4-Chlorotoluene	12.77	91	1259094	50.74	ug/l	100
83) tert-Butylbenzene	12.99	119	1271547	50.65	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1537550	52.97	ug/l	100
85) sec-Butylbenzene	13.17	105	1728245	52.68	ug/l	100
86) p-Isopropyltoluene	13.29	119	1524276	54.84	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	825070	49.42	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	804732	48.57	ug/l	100
89) n-Butylbenzene	13.62	91	1237898	55.15	ug/l	99
90) Hexachloroethane	13.88	117	258523	46.25	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	795820	48.86	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64308	49.90	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	389859	46.82	ug/l	100
94) Hexachlorobutadiene	15.01	225	254635	50.99	ug/l	99
95) Naphthalene	15.13	128	755886	43.09	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	367522	47.19	ug/l	99

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

