

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091218\
 Data File : VN051137.D
 Acq On : 12 Sep 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
 9/13/2018 5:20:04 PM

Quant Time: Sep 13 07:36:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	699500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	963261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	882785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	450653	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	380917	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
35) Dibromofluoromethane	7.59	113	372746	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	10.09	98	1409146	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.40	95	479694	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	299891	44.46	ug/l	99
3) Chloromethane	2.06	50	391154	44.84	ug/l	99
4) Vinyl Chloride	2.18	62	408288	44.09	ug/l	99
5) Bromomethane	2.56	94	211976	40.38	ug/l	97
6) Chloroethane	2.70	64	245094	42.89	ug/l	98
7) Trichlorofluoromethane	3.01	101	559137	45.57	ug/l	100
8) Diethyl Ether	3.41	74	216206	47.91	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	365777	46.25	ug/l	99
10) Methyl Iodide	3.95	142	236527	34.01	ug/l	99
11) Tert butyl alcohol	4.79	59	147254	247.66	ug/l	98
12) 1,1-Dichloroethene	3.73	96	334711	44.86	ug/l	99
13) Acrolein	3.61	56	139625	197.98	ug/l	100
14) Allyl chloride	4.32	41	521137	45.84	ug/l	100
15) Acrylonitrile	4.99	53	676339	256.71	ug/l	100
16) Acetone	3.82	43	532038	277.05	ug/l	99
17) Carbon Disulfide	4.05	76	984257	44.77	ug/l	99
18) Methyl Acetate	4.33	43	309219	49.60	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	976917	49.53	ug/l	99
20) Methylene Chloride	4.55	84	383002	44.54	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	362237	44.76	ug/l	98
22) Diisopropyl ether	5.95	45	1094823	48.52	ug/l	97
23) Vinyl Acetate	5.90	43	3861104	252.84	ug/l	100
24) 1,1-Dichloroethane	5.85	63	658525	46.00	ug/l	100
25) 2-Butanone	6.84	43	801704	261.95	ug/l	100
26) 2,2-Dichloropropane	6.82	77	544159	46.44	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	407971	45.95	ug/l	99
28) Bromochloromethane	7.19	49	307451	48.25	ug/l	99
29) Tetrahydrofuran	7.21	42	504212	263.81	ug/l	99
30) Chloroform	7.37	83	664451	46.65	ug/l	100
31) Cyclohexane	7.65	56	593111	46.44	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	567723	46.78	ug/l	100
36) 1,1-Dichloropropene	7.79	75	513474	48.55	ug/l	99
37) Ethyl Acetate	6.93	43	337864	55.16	ug/l	99
38) Carbon Tetrachloride	7.77	117	508976	48.90	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	591006	50.65	ug/l	100
40) Benzene	8.04	78	1555181	48.80	ug/l	99
41) Methacrylonitrile	7.18	41	174070	55.08	ug/l	94
42) 1,2-Dichloroethane	8.12	62	463900	49.94	ug/l	100
43) Isopropyl Acetate	8.17	43	573845	53.10	ug/l	100
44) Trichloroethene	8.83	130	418546	48.02	ug/l	99
45) 1,2-Dichloropropane	9.12	63	405060	49.19	ug/l	97
46) Dibromomethane	9.21	93	247802	49.32	ug/l	99
47) Bromodichloromethane	9.40	83	513391	50.25	ug/l	100
48) Methyl methacrylate	9.20	41	283067	53.75	ug/l	99
49) 1,4-Dioxane	9.20	88	85208	1031.71	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1678222	280.80	ug/l	100
52) Toluene	10.16	92	978845	50.37	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	519583	50.82	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	607168	50.65	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	361424	51.20	ug/l	100
56) Ethyl methacrylate	10.43	69	474666	50.10	ug/l	99
57) 1,3-Dichloropropane	10.71	76	594742	50.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	929912	234.53	ug/l	99
59) 2-Hexanone	10.75	43	1169841	288.62	ug/l	100
60) Dibromochloromethane	10.90	129	410162	51.55	ug/l	99
61) 1,2-Dibromoethane	11.01	107	356270	51.63	ug/l	100
64) Tetrachloroethene	10.63	164	386482	47.98	ug/l	99
65) Chlorobenzene	11.43	112	1077216	48.41	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	395639	49.38	ug/l	100
67) Ethyl Benzene	11.51	91	1827014	50.70	ug/l	99
68) m/p-Xylenes	11.62	106	1425727	102.97	ug/l	99
69) o-Xylene	11.95	106	687180	51.25	ug/l	100
70) Styrene	11.96	104	1124501	54.07	ug/l	99
71) Bromoform	12.13	173	298041	52.84	ug/l	# 100
73) Isopropylbenzene	12.25	105	1829823	48.42	ug/l	100
74) N-amyl acetate	12.07	43	486619	51.16	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	468557	54.17	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	397527m	57.11	ug/l	
77) Bromobenzene	12.53	156	468004	46.10	ug/l	99
78) n-propylbenzene	12.59	91	2047685	49.29	ug/l	100
79) 2-Chlorotoluene	12.67	91	1222255	47.07	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1502014	49.16	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	120992	50.99	ug/l	99
82) 4-Chlorotoluene	12.77	91	1227990	47.65	ug/l	100
83) tert-Butylbenzene	12.99	119	1276676	47.33	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1515760	50.45	ug/l	100
85) sec-Butylbenzene	13.17	105	1695992	49.02	ug/l	100
86) p-Isopropyltoluene	13.29	119	1497594	51.06	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	803852	46.68	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	784092	49.59	ug/l	100
89) n-Butylbenzene	13.62	91	1174530	51.45	ug/l	100
90) Hexachloroethane	13.88	117	261999	49.05	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	783654	46.70	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65071	50.41	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	369512	45.92	ug/l	99
94) Hexachlorobutadiene	15.01	225	255361	52.30	ug/l	99
95) Naphthalene	15.13	128	759353	45.37	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	370861	47.99	ug/l	99

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

