

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
 Data File : VN051047.D
 Acq On : 7 Sep 2018 12:24
 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
 9/10/2018 11:53:18 AM

Quant Time: Sep 07 23:24:31 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	620792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	854694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	788343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	424698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	341074	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
35) Dibromofluoromethane	7.59	113	326833	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	10.09	98	1228970	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.40	95	424324	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	459284	55.28	ug/l	99
3) Chloromethane	2.06	50	478172	46.66	ug/l	100
4) Vinyl Chloride	2.18	62	475268	48.96	ug/l	99
5) Bromomethane	2.54	94	247308	44.72	ug/l	99
6) Chloroethane	2.69	64	267461	47.69	ug/l	100
7) Trichlorofluoromethane	3.00	101	623196	50.14	ug/l	99
8) Diethyl Ether	3.41	74	222911	52.74	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	384795	49.55	ug/l	98
10) Methyl Iodide	3.95	142	294474	44.07	ug/l	100
11) Tert butyl alcohol	4.80	59	146236	307.28	ug/l	99
12) 1,1-Dichloroethene	3.73	96	351793	50.45	ug/l	97
13) Acrolein	3.61	56	67400	243.07	ug/l	100
14) Allyl chloride	4.32	41	551936	50.80	ug/l	98
15) Acrylonitrile	4.99	53	693847	286.88	ug/l	98
16) Acetone	3.82	43	538545	305.89	ug/l	98
17) Carbon Disulfide	4.05	76	1089206	46.60	ug/l	100
18) Methyl Acetate	4.33	43	398148	56.42	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	977334	55.73	ug/l	100
20) Methylene Chloride	4.55	84	397265	47.16	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	371659	49.28	ug/l	100
22) Diisopropyl ether	5.95	45	1109672	51.25	ug/l	97
23) Vinyl Acetate	5.90	43	3745226	268.59	ug/l	99
24) 1,1-Dichloroethane	5.85	63	664390	47.80	ug/l	100
25) 2-Butanone	6.84	43	818541	271.78	ug/l	99
26) 2,2-Dichloropropane	6.82	77	551731	49.40	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	411653	50.63	ug/l	99
28) Bromochloromethane	7.19	49	261176	44.22	ug/l	96
29) Tetrahydrofuran	7.21	42	517741	299.83	ug/l	98
30) Chloroform	7.37	83	663532	48.20	ug/l	99
31) Cyclohexane	7.65	56	618438	48.96	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	571794	48.36	ug/l	99
36) 1,1-Dichloropropene	7.79	75	519272	51.49	ug/l	99
37) Ethyl Acetate	6.93	43	338195	58.37	ug/l	99
38) Carbon Tetrachloride	7.77	117	516966	50.71	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	601186	55.10	ug/l	98
40) Benzene	8.04	78	1566652	51.51	ug/l	100
41) Methacrylonitrile	7.17	41	176423	56.27	ug/l	99
42) 1,2-Dichloroethane	8.12	62	464159	51.05	ug/l	99
43) Isopropyl Acetate	8.17	43	578204	58.04	ug/l	99
44) Trichloroethene	8.84	130	418278	52.15	ug/l	97
45) 1,2-Dichloropropane	9.12	63	402884	50.40	ug/l	98
46) Dibromomethane	9.21	93	245326	52.23	ug/l	97
47) Bromodichloromethane	9.40	83	506263	51.46	ug/l	98
48) Methyl methacrylate	9.20	41	298235	58.75	ug/l	98
49) 1,4-Dioxane	9.20	88	79375	1146.93	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1702845	286.46	ug/l	99
52) Toluene	10.16	92	973627	54.04	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	529558	54.08	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	607251	54.16	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	358100	53.55	ug/l	99
56) Ethyl methacrylate	10.43	69	464319	53.22	ug/l	99
57) 1,3-Dichloropropane	10.71	76	599353	54.30	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	906764	239.43	ug/l	98
59) 2-Hexanone	10.75	43	1197968	302.72	ug/l	98
60) Dibromochloromethane	10.90	129	406177	54.25	ug/l	99
61) 1,2-Dibromoethane	11.01	107	361547	55.91	ug/l	100
64) Tetrachloroethene	10.63	164	383342	51.20	ug/l	99
65) Chlorobenzene	11.43	112	1071199	51.99	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	391208	51.89	ug/l	98
67) Ethyl Benzene	11.51	91	1827306	54.55	ug/l	98
68) m/p-Xylenes	11.62	106	1437239	113.03	ug/l	99
69) o-Xylene	11.95	106	689892	56.44	ug/l	98
70) Styrene	11.96	104	1100869	51.07	ug/l	100
71) Bromoform	12.13	173	298108	57.50	ug/l #	99
73) Isopropylbenzene	12.25	105	1819151	51.73	ug/l	100
74) N-amyl acetate	12.07	43	494652	55.98	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	471525	56.45	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	375725m	50.51	ug/l	
77) Bromobenzene	12.53	156	473180	49.51	ug/l	98
78) n-propylbenzene	12.59	91	2065996	52.59	ug/l	99
79) 2-Chlorotoluene	12.67	91	1232627	50.37	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1512122	53.29	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	124905	56.76	ug/l	99
82) 4-Chlorotoluene	12.77	91	1243904	51.49	ug/l	100
83) tert-Butylbenzene	12.99	119	1299646	52.89	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1540816	53.98	ug/l	99
85) sec-Butylbenzene	13.17	105	1731085	53.76	ug/l	100
86) p-Isopropyltoluene	13.29	119	1545425	56.32	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	830526	51.21	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	808379	50.64	ug/l	99
89) n-Butylbenzene	13.62	91	1231396	56.11	ug/l	99
90) Hexachloroethane	13.88	117	270920	51.80	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	807648	51.62	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	71363	56.50	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	397656	48.95	ug/l	99
94) Hexachlorobutadiene	15.01	225	279835	60.57	ug/l	99
95) Naphthalene	15.13	128	807027	47.82	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	387938	50.78	ug/l	99

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

