

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051089.D
 Acq On : 10 Sep 2018 20:16
 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
 9/11/2018 9:41:17 AM

Quant Time: Sep 11 04:44:52 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	7.67	168	671464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	955981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	883159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	449930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	385541	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
35) Dibromofluoromethane	7.59	113	375530	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.09	98	1419347	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
62) 4-Bromofluorobenzene	12.40	95	476226	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	304399	47.01	ug/l	99
3) Chloromethane	2.06	50	423813	50.69	ug/l	100
4) Vinyl Chloride	2.18	62	423739	47.67	ug/l	99
5) Bromomethane	2.56	94	249184	49.68	ug/l	99
6) Chloroethane	2.70	64	259608	47.32	ug/l	98
7) Trichlorofluoromethane	3.01	101	565516	48.02	ug/l	100
8) Diethyl Ether	3.41	74	215281	49.70	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	357540	47.09	ug/l	99
10) Methyl Iodide	3.95	142	342190	48.40	ug/l	99
11) Tert butyl alcohol	4.79	59	135437	237.30	ug/l	99
12) 1,1-Dichloroethene	3.73	96	343571	47.97	ug/l	99
13) Acrolein	3.61	56	169641	244.14	ug/l	99
14) Allyl chloride	4.32	41	524638	48.08	ug/l	99
15) Acrylonitrile	4.99	53	659294	260.69	ug/l	100
16) Acetone	3.82	43	438713	237.15	ug/l	100
17) Carbon Disulfide	4.05	76	1002366	47.49	ug/l	98
18) Methyl Acetate	4.33	43	289217	48.33	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	968508	51.15	ug/l	100
20) Methylene Chloride	4.55	84	393692	47.70	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	370011	47.63	ug/l	96
22) Diisopropyl ether	5.95	45	1133454	52.33	ug/l	98
23) Vinyl Acetate	5.90	43	3848981	262.57	ug/l	100
24) 1,1-Dichloroethane	5.85	63	674795	49.10	ug/l	100
25) 2-Butanone	6.84	43	712169	242.41	ug/l	100
26) 2,2-Dichloropropane	6.83	77	514177	45.71	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	417081	48.94	ug/l	99
28) Bromochloromethane	7.20	49	307060	50.20	ug/l	100
29) Tetrahydrofuran	7.21	42	483712	263.65	ug/l	100
30) Chloroform	7.37	83	678845	49.65	ug/l	100
31) Cyclohexane	7.65	56	599278	48.90	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	575525	49.40	ug/l	100
36) 1,1-Dichloropropene	7.79	75	519854	49.53	ug/l	99
37) Ethyl Acetate	6.93	43	329251	54.16	ug/l	100
38) Carbon Tetrachloride	7.77	117	503656	48.76	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	577343	49.86	ug/l	98
40) Benzene	8.04	78	1593081	50.37	ug/l	99
41) Methacrylonitrile	7.19	41	178506m	56.92	ug/l	
42) 1,2-Dichloroethane	8.13	62	464674	50.41	ug/l	99
43) Isopropyl Acetate	8.17	43	557187	51.95	ug/l #	90
44) Trichloroethene	8.84	130	420173	48.57	ug/l	99
45) 1,2-Dichloropropane	9.12	63	414435	50.71	ug/l	99
46) Dibromomethane	9.21	93	246128	49.36	ug/l	99
47) Bromodichloromethane	9.40	83	514328	50.73	ug/l	99
48) Methyl methacrylate	9.20	41	283311	54.20	ug/l	99
49) 1,4-Dioxane	9.20	88	86483	1055.12	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1592691	268.52	ug/l	100
52) Toluene	10.16	92	987267	51.19	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	517425	50.99	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	606310	50.96	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	361915	51.66	ug/l	99
56) Ethyl methacrylate	10.43	69	462838	49.27	ug/l	99
57) 1,3-Dichloropropane	10.71	76	596951	51.40	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	956306	242.47	ug/l	100
59) 2-Hexanone	10.75	43	1039615	258.45	ug/l	100
60) Dibromochloromethane	10.90	129	405786	51.39	ug/l	99
61) 1,2-Dibromoethane	11.01	107	354257	51.73	ug/l	100
64) Tetrachloroethene	10.63	164	380300	47.19	ug/l	98
65) Chlorobenzene	11.43	112	1085819	48.77	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	395716	49.37	ug/l	100
67) Ethyl Benzene	11.51	91	1833528	50.86	ug/l	100
68) m/p-Xylenes	11.62	106	1436415	103.70	ug/l	99
69) o-Xylene	11.95	106	696818	51.95	ug/l	100
70) Styrene	11.96	104	1124172	54.03	ug/l	99
71) Bromoform	12.13	173	290302	51.44	ug/l #	100
73) Isopropylbenzene	12.25	105	1816116	48.13	ug/l	99
74) N-amyl acetate	12.07	43	465011	48.97	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	455040	52.65	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	358752m	51.47	ug/l	
77) Bromobenzene	12.53	156	472871	46.66	ug/l	99
78) n-propylbenzene	12.59	91	2037969	49.14	ug/l	100
79) 2-Chlorotoluene	12.67	91	1229868	47.44	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1505097	49.34	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	116702	49.26	ug/l	99
82) 4-Chlorotoluene	12.77	91	1228282	47.73	ug/l	100
83) tert-Butylbenzene	12.99	119	1286865	47.78	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1525376	50.85	ug/l	100
85) sec-Butylbenzene	13.17	105	1690778	48.95	ug/l	100
86) p-Isopropyltoluene	13.29	119	1488109	50.81	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	806181	46.89	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	781370	49.50	ug/l	100
89) n-Butylbenzene	13.62	91	1143427	50.17	ug/l	100
90) Hexachloroethane	13.87	117	261693	49.07	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	786356	46.93	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	63995	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	350009	43.77	ug/l	99
94) Hexachlorobutadiene	15.01	225	245674	50.33	ug/l	99
95) Naphthalene	15.13	128	698326	42.21	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	349221	45.43	ug/l	100

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

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