

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050073.D
 Acq On : 26 Jul 2018 10:53
 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
 7/27/2018 12:15:24 PM

Quant Time: Jul 27 01:36:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	708973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	994187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	926978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	491060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	456715	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
35) Dibromofluoromethane	7.59	113	407021	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	10.09	98	1555166	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.40	95	529289	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	494097	48.50	ug/l	99
3) Chloromethane	2.06	50	477221	43.10	ug/l	98
4) Vinyl Chloride	2.18	62	507472	43.52	ug/l	97
5) Bromomethane	2.56	94	313209	48.34	ug/l	100
6) Chloroethane	2.70	64	294676	42.08	ug/l	98
7) Trichlorofluoromethane	3.01	101	660618	43.73	ug/l	100
8) Diethyl Ether	3.41	74	219889	43.66	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	410961	45.24	ug/l	99
10) Methyl Iodide	3.95	142	545699	46.81	ug/l	99
11) Tert butyl alcohol	4.79	59	144311	198.28	ug/l	100
12) 1,1-Dichloroethene	3.73	96	358716	43.90	ug/l	98
13) Acrolein	3.61	56	84776	144.97	ug/l	98
14) Allyl chloride	4.32	41	579861	45.76	ug/l	100
15) Acrylonitrile	4.99	53	668726	210.60	ug/l	100
16) Acetone	3.82	43	585411	251.27	ug/l	98
17) Carbon Disulfide	4.05	76	1071117	42.79	ug/l	100
18) Methyl Acetate	4.33	43	409856	45.06	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1001007	45.97	ug/l	99
20) Methylene Chloride	4.55	84	409336	46.59	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	383720	44.32	ug/l	99
22) Diisopropyl ether	5.95	45	1214515	48.34	ug/l	99
23) Vinyl Acetate	5.90	43	4084484	230.06	ug/l	99
24) 1,1-Dichloroethane	5.85	63	720118	43.83	ug/l	100
25) 2-Butanone	6.84	43	839776	222.57	ug/l	100
26) 2,2-Dichloropropane	6.82	77	618374	49.48	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	432280	46.38	ug/l	99
28) Bromochloromethane	7.19	49	352485	47.04	ug/l	99
29) Tetrahydrofuran	7.21	42	510488	209.38	ug/l	99
30) Chloroform	7.37	83	732963	43.72	ug/l	99
31) Cyclohexane	7.65	56	639934	46.97	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	638592	44.53	ug/l	100
36) 1,1-Dichloropropene	7.79	75	570037	50.89	ug/l	99
37) Ethyl Acetate	6.93	43	349079	44.70	ug/l	99
38) Carbon Tetrachloride	7.77	117	570420	47.99	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	627968	54.50	ug/l	98
40) Benzene	8.04	78	1664996	48.85	ug/l	100
41) Methacrylonitrile	7.18	41	181949	45.02	ug/l	85
42) 1,2-Dichloroethane	8.12	62	528330	46.46	ug/l	100
43) Isopropyl Acetate	8.17	43	665479	45.11	ug/l	99
44) Trichloroethene	8.84	130	440390	48.08	ug/l	100
45) 1,2-Dichloropropane	9.12	63	438350	48.56	ug/l	98
46) Dibromomethane	9.21	93	264604	47.20	ug/l	99
47) Bromodichloromethane	9.40	83	569933	48.17	ug/l	100
48) Methyl methacrylate	9.20	41	326316	48.52	ug/l	100
49) 1,4-Dioxane	9.20	88	85721	936.55	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1792085	233.44	ug/l	99
52) Toluene	10.16	92	1037919	51.59	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	584753	52.38	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	663076	51.97	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	377852	47.35	ug/l	98
56) Ethyl methacrylate	10.43	69	483422	44.93	ug/l	99
57) 1,3-Dichloropropane	10.71	76	632881	48.70	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1176870	233.60	ug/l	100
59) 2-Hexanone	10.75	43	1255627	223.15	ug/l	99
60) Dibromochloromethane	10.90	129	440540	49.86	ug/l	100
61) 1,2-Dibromoethane	11.01	107	378504	47.80	ug/l	99
64) Tetrachloroethene	10.63	164	426931	47.90	ug/l	98
65) Chlorobenzene	11.44	112	1128356	48.19	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	426723	47.43	ug/l	99
67) Ethyl Benzene	11.51	91	1970028	52.38	ug/l	100
68) m/p-Xylenes	11.62	106	1517338	106.65	ug/l	100
69) o-Xylene	11.95	106	720714	53.14	ug/l	99
70) Styrene	11.97	104	1180852	48.97	ug/l	99
71) Bromoform	12.13	173	307584	47.00	ug/l #	100
73) Isopropylbenzene	12.25	105	1951468	51.24	ug/l	100
74) N-amyl acetate	12.07	43	536886	46.13	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	478176	46.90	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	413479m	45.31	ug/l	
77) Bromobenzene	12.53	156	492824	46.69	ug/l	100
78) n-propylbenzene	12.59	91	2273379	53.41	ug/l	100
79) 2-Chlorotoluene	12.68	91	1326159	50.26	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1613066	53.85	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	140795	48.93	ug/l	99
82) 4-Chlorotoluene	12.77	91	1337893	51.21	ug/l	99
83) tert-Butylbenzene	12.99	119	1382497	52.88	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1656676	54.87	ug/l	99
85) sec-Butylbenzene	13.17	105	1877379	53.75	ug/l	100
86) p-Isopropyltoluene	13.29	119	1639742	55.71	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	875460	48.93	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	855400	49.05	ug/l	99
89) n-Butylbenzene	13.62	91	1368337	56.53	ug/l	100
90) Hexachloroethane	13.88	117	306143	46.84	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	854564	47.78	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	74262	43.66	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	452008	47.79	ug/l	98
94) Hexachlorobutadiene	15.01	225	275162	50.25	ug/l	100
95) Naphthalene	15.14	128	940324	42.64	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	436044	47.32	ug/l	100

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

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