

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050098.D
 Acq On : 26 Jul 2018 22:16
 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
 7/27/2018 12:16:18 PM

Quant Time: Jul 27 04:08:43 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	675215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1021547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	936092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	490433	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	453310	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
35) Dibromofluoromethane	7.59	113	399569	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
50) Toluene-d8	10.09	98	1498878	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
62) 4-Bromofluorobenzene	12.40	95	517192	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	481710	49.65	ug/l	98
3) Chloromethane	2.06	50	458141	43.44	ug/l	99
4) Vinyl Chloride	2.18	62	491363	44.24	ug/l	99
5) Bromomethane	2.55	94	121456	19.07	ug/l	100
6) Chloroethane	2.69	64	293916	44.07	ug/l	99
7) Trichlorofluoromethane	3.01	101	648885	45.10	ug/l	100
8) Diethyl Ether	3.41	74	233439	48.67	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	384799	44.48	ug/l	99
10) Methyl Iodide	3.95	142	214906	19.35	ug/l	99
11) Tert butyl alcohol	4.81	59	172728	249.19	ug/l	100
12) 1,1-Dichloroethene	3.73	96	357103	45.89	ug/l	98
13) Acrolein	3.61	56	74073	133.00	ug/l	99
14) Allyl chloride	4.32	41	578695	47.96	ug/l	99
15) Acrylonitrile	5.00	53	745187	246.41	ug/l	100
16) Acetone	3.82	43	543341	244.76	ug/l	97
17) Carbon Disulfide	4.05	76	1025948	43.03	ug/l	99
18) Methyl Acetate	4.33	43	475605	55.28	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1077391	51.95	ug/l	99
20) Methylene Chloride	4.55	84	412068	49.32	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	384314	46.60	ug/l	98
22) Diisopropyl ether	5.96	45	1235280	51.63	ug/l	100
23) Vinyl Acetate	5.90	43	4320200	255.50	ug/l	99
24) 1,1-Dichloroethane	5.85	63	731108	46.73	ug/l	100
25) 2-Butanone	6.84	43	895434	249.19	ug/l	100
26) 2,2-Dichloropropane	6.83	77	470778	39.55	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	437508	49.29	ug/l	98
28) Bromochloromethane	7.20	49	345714	48.44	ug/l	100
29) Tetrahydrofuran	7.22	42	589804	254.01	ug/l	99
30) Chloroform	7.37	83	746229	46.74	ug/l	99
31) Cyclohexane	7.66	56	620184	47.79	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	639583	46.83	ug/l	100
36) 1,1-Dichloropropene	7.80	75	558282	48.51	ug/l	99
37) Ethyl Acetate	6.94	43	397128	49.49	ug/l	100
38) Carbon Tetrachloride	7.78	117	558514	45.73	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.09	83	586177	49.51	ug/l	99
40) Benzene	8.04	78	1683034	48.06	ug/l	100
41) Methacrylonitrile	7.18	41	205585	49.24	ug/l #	85
42) 1,2-Dichloroethane	8.13	62	545263	46.67	ug/l	100
43) Isopropyl Acetate	8.17	43	797615	52.81	ug/l #	92
44) Trichloroethene	8.84	130	432821	45.99	ug/l	99
45) 1,2-Dichloropropane	9.12	63	439542	47.38	ug/l	99
46) Dibromomethane	9.21	93	274778	47.71	ug/l	99
47) Bromodichloromethane	9.41	83	573334	47.16	ug/l	99
48) Methyl methacrylate	9.20	41	365076	52.83	ug/l	100
49) 1,4-Dioxane	9.20	88	97133	1032.81	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2059163	261.04	ug/l	100
52) Toluene	10.16	92	1036346	50.13	ug/l	100
53) t-1,3-Dichloropropene	10.39	75	568856	49.59	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	643673	49.10	ug/l	99
55) 1,1,2-Trichloroethane	10.57	97	397339	48.46	ug/l	99
56) Ethyl methacrylate	10.43	69	527515	47.59	ug/l	99
57) 1,3-Dichloropropane	10.71	76	657937	49.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1206405	233.07	ug/l	100
59) 2-Hexanone	10.75	43	1407811	243.03	ug/l	100
60) Dibromochloromethane	10.90	129	447723	49.32	ug/l	100
61) 1,2-Dibromoethane	11.01	107	398289	48.96	ug/l	99
64) Tetrachloroethene	10.63	164	405344	45.04	ug/l	99
65) Chlorobenzene	11.44	112	1124083	47.54	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	421771	46.42	ug/l	98
67) Ethyl Benzene	11.51	91	1955247	51.48	ug/l	99
68) m/p-Xylenes	11.63	106	1503030	104.62	ug/l	100
69) o-Xylene	11.95	106	725418	52.97	ug/l	99
70) Styrene	11.97	104	1172507	48.17	ug/l	100
71) Bromoform	12.13	173	316661	47.91	ug/l #	99
73) Isopropylbenzene	12.25	105	1939052	50.98	ug/l	100
74) N-amyl acetate	12.07	43	609023	52.39	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	530795	52.33	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	451689m	49.56	ug/l	
77) Bromobenzene	12.53	156	499413	47.37	ug/l	99
78) n-propylbenzene	12.59	91	2206423	51.90	ug/l	100
79) 2-Chlorotoluene	12.68	91	1322678	50.20	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1590337	53.16	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	140603	48.93	ug/l	99
82) 4-Chlorotoluene	12.78	91	1326848	50.85	ug/l	100
83) tert-Butylbenzene	13.00	119	1359176	52.06	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1624515	53.87	ug/l	99
85) sec-Butylbenzene	13.17	105	1826441	52.35	ug/l	100
86) p-Isopropyltoluene	13.29	119	1590336	54.10	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	869981	48.68	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	843637	48.43	ug/l	99
89) n-Butylbenzene	13.62	91	1302103	53.87	ug/l	100
90) Hexachloroethane	13.88	117	293126	44.91	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	867038	48.53	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	87448	51.63	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	445510	47.21	ug/l	97
94) Hexachlorobutadiene	15.01	225	257742	47.13	ug/l	98
95) Naphthalene	15.14	128	1055977	47.40	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	448393	48.65	ug/l	99

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

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