

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051839.D
 Acq On : 12 Oct 2018 18:18
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:28:03 AM

Quant Time: Oct 13 02:13:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	981109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1460069	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1333852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	665310	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	469159	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	7.59	113	463721	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.09	98	1709244	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.40	95	598961	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	267231	49.07	ug/l	99
3) Chloromethane	2.06	50	302527	45.86	ug/l	100
4) Vinyl Chloride	2.18	62	455107	46.00	ug/l	99
5) Bromomethane	2.56	94	415769	46.58	ug/l	100
6) Chloroethane	2.70	64	344018	47.36	ug/l	97
7) Trichlorofluoromethane	3.01	101	639756	43.54	ug/l	99
8) Diethyl Ether	3.41	74	206653	51.00	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.76	101	401845	51.29	ug/l	99
10) Methyl Iodide	3.95	142	557669	54.02	ug/l	95
11) Tert butyl alcohol	4.79	59	136940	198.56	ug/l	99
12) 1,1-Dichloroethene	3.74	96	370749	52.65	ug/l	89
13) Acrolein	3.61	56	144297	207.02	ug/l	99
14) Allyl chloride	4.33	41	439272	49.68	ug/l #	76
15) Acrylonitrile	4.99	53	533533	237.66	ug/l	98
16) Acetone	3.82	43	379182	187.49	ug/l	99
17) Carbon Disulfide	4.05	76	905352	47.49	ug/l	100
18) Methyl Acetate	4.33	43	247464	46.55	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	1102451	49.73	ug/l	93
20) Methylene Chloride	4.55	84	423160	50.56	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	426599	51.59	ug/l	90
22) Diisopropyl ether	5.95	45	990176	50.68	ug/l #	86
23) Vinyl Acetate	5.90	43	3522553	246.44	ug/l #	91
24) 1,1-Dichloroethane	5.85	63	691692	51.53	ug/l	97
25) 2-Butanone	6.84	43	613873	214.80	ug/l #	89
26) 2,2-Dichloropropane	6.83	77	680566	50.08	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	504683	52.95	ug/l	88
28) Bromochloromethane	7.20	49	290905	51.65	ug/l #	64
29) Tetrahydrofuran	7.21	42	379022	222.55	ug/l #	77
30) Chloroform	7.37	83	840618	52.38	ug/l	99
31) Cyclohexane	7.65	56	587145	52.51	ug/l #	82
32) 1,1,1-Trichloroethane	7.57	97	794111	52.70	ug/l	96
36) 1,1-Dichloropropene	7.79	75	597734	50.57	ug/l	95
37) Ethyl Acetate	6.93	43	277871	45.79	ug/l	96
38) Carbon Tetrachloride	7.78	117	712296	51.99	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	755045	52.00	ug/l	88
40) Benzene	8.04	78	1780885	52.23	ug/l	100
41) Methacrylonitrile	7.17	41	112230	38.36	ug/l #	63
42) 1,2-Dichloroethane	8.13	62	574027	51.35	ug/l	100
43) Isopropyl Acetate	8.17	43	550778	45.46	ug/l #	95
44) Trichloroethene	8.84	130	552163	53.19	ug/l	92
45) 1,2-Dichloropropane	9.12	63	417273	52.05	ug/l	100
46) Dibromomethane	9.21	93	313392	50.94	ug/l	99
47) Bromodichloromethane	9.40	83	648113	52.72	ug/l	98
48) Methyl methacrylate	9.20	41	255194	47.20	ug/l #	78
49) 1,4-Dioxane	9.20	88	90113	859.79	ug/l	87
51) 4-Methyl-2-Pentanone	9.99	43	1454040	230.81	ug/l	96
52) Toluene	10.16	92	1229862	53.71	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	629722	51.13	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	697252	51.57	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	443375	51.48	ug/l	96
56) Ethyl methacrylate	10.43	69	514900	50.76	ug/l #	89
57) 1,3-Dichloropropane	10.71	76	677932	50.66	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1079575	244.43	ug/l #	88
59) 2-Hexanone	10.75	43	953417	215.48	ug/l	96
60) Dibromochloromethane	10.90	129	543013	53.11	ug/l	100
61) 1,2-Dibromoethane	11.00	107	465298	52.45	ug/l	100
64) Tetrachloroethene	10.63	164	554975	54.25	ug/l	98
65) Chlorobenzene	11.43	112	1419278	52.61	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	549112	53.41	ug/l	99
67) Ethyl Benzene	11.51	91	2390299	53.53	ug/l	96
68) m/p-Xylenes	11.62	106	1937305	107.40	ug/l	96
69) o-Xylene	11.95	106	954258	54.47	ug/l	94
70) Styrene	11.96	104	1514433	56.03	ug/l	98
71) Bromoform	12.13	173	362312	45.12	ug/l	99
73) Isopropylbenzene	12.25	105	2560225	49.94	ug/l	98
74) N-amyl acetate	12.07	43	471214	46.35	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	517432	45.95	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	435357m	53.06	ug/l	
77) Bromobenzene	12.53	156	653331	51.11	ug/l	85
78) n-propylbenzene	12.59	91	2765644	51.52	ug/l	96
79) 2-Chlorotoluene	12.67	91	1620254	50.10	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	2154972	51.59	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	131170	45.40	ug/l	96
82) 4-Chlorotoluene	12.77	91	1629000	52.42	ug/l	95
83) tert-Butylbenzene	12.99	119	1956817	50.51	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	2179788	52.41	ug/l	98
85) sec-Butylbenzene	13.17	105	2598955	51.78	ug/l	98
86) p-Isopropyltoluene	13.29	119	2344558	53.12	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1167000	53.38	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1125378	53.11	ug/l	99
89) n-Butylbenzene	13.62	91	1813706	55.27	ug/l	98
90) Hexachloroethane	13.88	117	396186	49.45	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	1139190	53.93	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77832	46.95	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	524322	47.20	ug/l	98
94) Hexachlorobutadiene	15.01	225	350121	51.27	ug/l	98
95) Naphthalene	15.13	128	1020856	42.38	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	503504	46.69	ug/l	99

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

