

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\
 Data File : VN053070.D
 Acq On : 20 Dec 2018 21:42
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/21/2018 11:31:25 AM

Quant Time: Dec 21 02:43:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1108520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1716393	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1451398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	625343	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	584351	51.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.90%	
35) Dibromofluoromethane	7.59	113	463242	59.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.16%	
50) Toluene-d8	10.09	98	2087287	49.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.40	95	679845	46.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	520922	46.432	ug/l	100
3) Chloromethane	2.06	50	603531	44.393	ug/l	100
4) Vinyl Chloride	2.19	62	665330	48.322	ug/l	100
5) Bromomethane	2.57	94	430001	45.076	ug/l	98
6) Chloroethane	2.71	64	394658	48.397	ug/l	99
7) Trichlorofluoromethane	3.03	101	867960	50.603	ug/l	99
8) Diethyl Ether	3.41	74	336747	52.041	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	545425	49.873	ug/l	98
10) Methyl Iodide	3.96	142	769351	50.094	ug/l	99
11) Tert butyl alcohol	4.78	59	165434	241.019	ug/l	99
12) 1,1-Dichloroethene	3.74	96	531504	50.305	ug/l	99
13) Acrolein	3.61	56	199983	321.320	ug/l	100
14) Allyl chloride	4.33	41	878300	53.666	ug/l	95
15) Acrylonitrile	4.99	53	967944	253.837	ug/l	99
16) Acetone	3.82	43	590769	267.844	ug/l	96
17) Carbon Disulfide	4.06	76	1498500	43.489	ug/l	99
18) Methyl Acetate	4.33	43	513323	51.251	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1486770	52.583	ug/l	99
20) Methylene Chloride	4.56	84	595342	49.482	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	565038	49.775	ug/l	98
22) Diisopropyl ether	5.95	45	1864945	53.386	ug/l	98
23) Vinyl Acetate	5.90	43	5332682	265.471	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1083509	52.197	ug/l	99
25) 2-Butanone	6.83	43	1008289	272.391	ug/l	99
26) 2,2-Dichloropropane	6.83	77	758581	47.872	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	664844	51.733	ug/l	98
28) Bromochloromethane	7.20	49	469325	52.177	ug/l	95
29) Tetrahydrofuran	7.21	42	709396	256.598	ug/l	98
30) Chloroform	7.37	83	1053462	51.661	ug/l	100
31) Cyclohexane	7.66	56	978707	50.276	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	885030	50.948	ug/l	99
36) 1,1-Dichloropropene	7.80	75	813963	49.408	ug/l	100
37) Ethyl Acetate	6.93	43	478701	52.051	ug/l	98
38) Carbon Tetrachloride	7.78	117	756917	50.126	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	938541	46.896	ug/l	98
40) Benzene	8.04	78	2476726	50.542	ug/l	99
41) Methacrylonitrile	7.17	41	284431	53.526	ug/l	95
42) 1,2-Dichloroethane	8.13	62	728806	50.345	ug/l	99
43) Isopropyl Acetate	8.16	43	904977	50.867	ug/l	98
44) Trichloroethene	8.84	130	681836	48.106	ug/l	97
45) 1,2-Dichloropropane	9.12	63	653667	51.213	ug/l	100
46) Dibromomethane	9.21	93	369859	49.742	ug/l	99
47) Bromodichloromethane	9.40	83	798786	50.539	ug/l	99
48) Methyl methacrylate	9.20	41	451515	50.594	ug/l	99
49) 1,4-Dioxane	9.20	88	95766	848.322	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	2301408	258.399	ug/l	99
52) Toluene	10.16	92	1493849	49.183	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	800090	48.140	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	946855	49.633	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	531083	50.120	ug/l	100
56) Ethyl methacrylate	10.43	69	713954	50.905	ug/l	97
57) 1,3-Dichloropropane	10.71	76	914740	50.341	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1985505	257.865	ug/l	98
59) 2-Hexanone	10.75	43	1509158	250.445	ug/l	99
60) Dibromochloromethane	10.90	129	589144	48.572	ug/l	99
61) 1,2-Dibromoethane	11.01	107	528176	49.079	ug/l	99
64) Tetrachloroethene	10.63	164	762908	48.525	ug/l	98
65) Chlorobenzene	11.43	112	1599954	49.729	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	584022	52.200	ug/l	100
67) Ethyl Benzene	11.51	91	2764294	49.960	ug/l	99
68) m/p-Xylenes	11.62	106	2056329	97.762	ug/l	100
69) o-Xylene	11.95	106	1007698	49.926	ug/l	100
70) Styrene	11.96	104	1649475	50.118	ug/l	99
71) Bromoform	12.13	173	383236	47.415	ug/l #	100
73) Isopropylbenzene	12.25	105	2659409	54.354	ug/l	100
74) N-amyl acetate	12.07	43	758049	55.804	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	544228	56.697	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	482328m	45.818	ug/l	
77) Bromobenzene	12.53	156	668445	52.557	ug/l	98
78) n-propylbenzene	12.59	91	2929783	52.577	ug/l	99
79) 2-Chlorotoluene	12.67	91	1727927	50.026	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2045633	51.294	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	164320	50.311	ug/l	98
82) 4-Chlorotoluene	12.77	91	1740331	51.471	ug/l	100
83) tert-Butylbenzene	12.99	119	1803303	51.128	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2059916	51.381	ug/l	99
85) sec-Butylbenzene	13.17	105	2371485	49.710	ug/l	99
86) p-Isopropyltoluene	13.29	119	2038342	49.447	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1108604	49.249	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1096624	48.107	ug/l	100
89) n-Butylbenzene	13.62	91	1636459	46.144	ug/l	100
90) Hexachloroethane	13.88	117	311383	49.223	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1045117	49.332	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77947	46.964	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	533802	47.588	ug/l	99
94) Hexachlorobutadiene	15.01	225	298220	51.395	ug/l	99
95) Naphthalene	15.13	128	1143505	46.589	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	479587	47.475	ug/l	100

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

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