

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120518\
 Data File : VN052665.D
 Acq On : 5 Dec 2018 9:59
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/6/2018 9:08:53 AM

Quant Time: Dec 06 04:41:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	998615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1509955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1345469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	650201	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	512819	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	
35) Dibromofluoromethane	7.59	113	464245	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
50) Toluene-d8	10.09	98	1773102	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.40	95	621881	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	408762	43.716	ug/l	98
3) Chloromethane	2.06	50	518587	42.016	ug/l	99
4) Vinyl Chloride	2.19	62	549936	43.374	ug/l	99
5) Bromomethane	2.57	94	338597	42.801	ug/l	98
6) Chloroethane	2.71	64	330462	43.029	ug/l	99
7) Trichlorofluoromethane	3.02	101	721889	46.352	ug/l	99
8) Diethyl Ether	3.41	74	278610	48.443	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	470788	48.445	ug/l	99
10) Methyl Iodide	3.95	142	676397	52.258	ug/l	98
11) Tert butyl alcohol	4.78	59	129622	238.128	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	435676	46.575	ug/l	99
13) Acrolein	3.61	56	286843	303.197	ug/l	100
14) Allyl chloride	4.32	41	767084	47.579	ug/l	99
15) Acrylonitrile	4.99	53	843215	244.713	ug/l	100
16) Acetone	3.82	43	766604	267.306	ug/l	98
17) Carbon Disulfide	4.05	76	1214960	41.272	ug/l	99
18) Methyl Acetate	4.32	43	431599	52.465	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1241867	49.897	ug/l	100
20) Methylene Chloride	4.55	84	500995	44.641	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	464669	46.510	ug/l	98
22) Diisopropyl ether	5.95	45	1614879	47.685	ug/l	99
23) Vinyl Acetate	5.89	43	5157010	244.487	ug/l	99
24) 1,1-Dichloroethane	5.85	63	916414	47.394	ug/l	99
25) 2-Butanone	6.83	43	1048405	257.915	ug/l	96
26) 2,2-Dichloropropane	6.83	77	685798	51.241	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	553395	47.551	ug/l	99
28) Bromochloromethane	7.19	49	423061	47.903	ug/l	97
29) Tetrahydrofuran	7.21	42	632497	241.240	ug/l	99
30) Chloroform	7.37	83	903570	46.838	ug/l	100
31) Cyclohexane	7.65	56	839774	44.833	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	746779	48.858	ug/l	98
36) 1,1-Dichloropropene	7.79	75	689735	48.372	ug/l	99
37) Ethyl Acetate	6.92	43	430930	49.520	ug/l	99
38) Carbon Tetrachloride	7.77	117	656359	50.849	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	845359	48.777	ug/l	98
40) Benzene	8.04	78	2077390	48.886	ug/l	99
41) Methacrylonitrile	7.17	41	241237	50.706	ug/l	97
42) 1,2-Dichloroethane	8.12	62	641007	49.819	ug/l	99
43) Isopropyl Acetate	8.16	43	763134	51.820	ug/l	100
44) Trichloroethene	8.83	130	543319	49.915	ug/l	99
45) 1,2-Dichloropropane	9.12	63	559492	49.523	ug/l	100
46) Dibromomethane	9.21	93	319657	51.111	ug/l	99
47) Bromodichloromethane	9.40	83	694373	51.065	ug/l	100
48) Methyl methacrylate	9.20	41	387981	50.526	ug/l	97
49) 1,4-Dioxane	9.20	88	76790	963.566	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2160331	261.457	ug/l	99
52) Toluene	10.16	92	1278481	50.638	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	699456	53.470	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	825735	52.674	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	459557	51.746	ug/l	98
56) Ethyl methacrylate	10.43	69	596329	48.444	ug/l	99
57) 1,3-Dichloropropane	10.71	76	796271	50.778	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1726082	267.848	ug/l	98
59) 2-Hexanone	10.75	43	1547523	279.059	ug/l	99
60) Dibromochloromethane	10.90	129	519582	53.867	ug/l	99
61) 1,2-Dibromoethane	11.00	107	453005	51.357	ug/l	100
64) Tetrachloroethene	10.63	164	525328	50.358	ug/l	98
65) Chlorobenzene	11.43	112	1398055	50.392	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	502638	52.106	ug/l	99
67) Ethyl Benzene	11.51	91	2483281	51.113	ug/l	100
68) m/p-Xylenes	11.62	106	1867776	103.269	ug/l	99
69) o-Xylene	11.95	106	905238	51.541	ug/l	99
70) Styrene	11.96	104	1500398	53.635	ug/l	99
71) Bromoform	12.13	173	352027	55.114	ug/l	100
73) Isopropylbenzene	12.25	105	2447469	47.978	ug/l	100
74) N-amyl acetate	12.07	43	652819	50.654	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	554975	47.825	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	463944m	46.272	ug/l	
77) Bromobenzene	12.53	156	606388	48.092	ug/l	98
78) n-propylbenzene	12.59	91	2839464	48.997	ug/l	99
79) 2-Chlorotoluene	12.67	91	1647098	47.727	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1999081	49.136	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	159537	53.137	ug/l	98
82) 4-Chlorotoluene	12.77	91	1665079	47.873	ug/l	99
83) tert-Butylbenzene	12.99	119	1787487	49.283	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2026269	49.697	ug/l	100
85) sec-Butylbenzene	13.17	105	2432987	49.250	ug/l	99
86) p-Isopropyltoluene	13.29	119	2100632	49.924	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1089471	49.397	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1069019	49.207	ug/l	100
89) n-Butylbenzene	13.62	91	1816588	51.913	ug/l	100
90) Hexachloroethane	13.87	117	359167	50.413	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1050149	49.837	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83298	50.190	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	562801	48.826	ug/l	99
94) Hexachlorobutadiene	15.01	225	342985	50.596	ug/l	100
95) Naphthalene	15.13	128	1160604	47.588	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	515321	48.633	ug/l	100

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

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