

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052789.D
 Acq On : 11 Dec 2018 8:31
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 12:47:10 PM

Quant Time: Dec 11 11:01:35 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	7.67	168	946896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1475970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1320994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	644156	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	542721	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.59	113	418241	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	
50) Toluene-d8	10.09	98	1861110	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.40	95	661942	55.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	350934	39.582	ug/l	98
3) Chloromethane	2.06	50	466982	39.902	ug/l	99
4) Vinyl Chloride	2.19	62	494747	41.153	ug/l	99
5) Bromomethane	2.57	94	274565	36.603	ug/l	98
6) Chloroethane	2.71	64	311081	42.718	ug/l	98
7) Trichlorofluoromethane	3.02	101	662212	44.842	ug/l	98
8) Diethyl Ether	3.41	74	265789	48.738	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	425462	46.172	ug/l	99
10) Methyl Iodide	3.96	142	550957	44.892	ug/l	99
11) Tert butyl alcohol	4.77	59	141419	273.990	ug/l	99
12) 1,1-Dichloroethene	3.74	96	400450	45.147	ug/l	99
13) Acrolein	3.61	56	105631	117.752	ug/l	97
14) Allyl chloride	4.33	41	620815	40.610	ug/l	93
15) Acrylonitrile	4.99	53	820690	251.185	ug/l	99
16) Acetone	3.82	43	550029	202.264	ug/l	99
17) Carbon Disulfide	4.06	76	1030222	36.908	ug/l	100
18) Methyl Acetate	4.32	43	425242	54.516	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1208277	51.199	ug/l	100
20) Methylene Chloride	4.55	84	481971	45.291	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	432955	45.703	ug/l	95
22) Diisopropyl ether	5.95	45	1531905	47.706	ug/l	99
23) Vinyl Acetate	5.90	43	4439870	221.985	ug/l	99
24) 1,1-Dichloroethane	5.85	63	868075	47.346	ug/l	99
25) 2-Butanone	6.83	43	901191	233.808	ug/l	96
26) 2,2-Dichloropropane	6.82	77	440506	34.711	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	521772	47.283	ug/l	96
28) Bromochloromethane	7.20	49	414244	49.466	ug/l	94
29) Tetrahydrofuran	7.21	42	607740	244.458	ug/l	98
30) Chloroform	7.37	83	865767	47.329	ug/l	100
31) Cyclohexane	7.65	56	746629	42.015	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	711479	49.091	ug/l	98
36) 1,1-Dichloropropene	7.79	75	637492	45.738	ug/l	98
37) Ethyl Acetate	6.93	43	406723	47.815	ug/l	99
38) Carbon Tetrachloride	7.78	117	602333	47.738	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	734115	43.333	ug/l	98
40) Benzene	8.04	78	1960429	47.196	ug/l	100
41) Methacrylonitrile	7.17	41	242832	52.217	ug/l	95
42) 1,2-Dichloroethane	8.13	62	609462	48.458	ug/l	99
43) Isopropyl Acetate	8.16	43	795447	55.258	ug/l	97
44) Trichloroethene	8.84	130	528459	49.668	ug/l	99
45) 1,2-Dichloropropane	9.12	63	535808	48.519	ug/l	99
46) Dibromomethane	9.21	93	302433	49.470	ug/l	97
47) Bromodichloromethane	9.40	83	661197	49.745	ug/l	99
48) Methyl methacrylate	9.20	41	379593	50.572	ug/l	98
49) 1,4-Dioxane	9.20	88	83579	1072.903	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2096359	259.557	ug/l	99
52) Toluene	10.16	92	1206582	48.890	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	626543	48.999	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	732852	47.826	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	447660	51.567	ug/l	99
56) Ethyl methacrylate	10.43	69	592872	49.226	ug/l	98
57) 1,3-Dichloropropane	10.71	76	764342	49.865	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1673539	265.674	ug/l	98
59) 2-Hexanone	10.75	43	1414178	260.885	ug/l	98
60) Dibromochloromethane	10.90	129	495884	52.594	ug/l	99
61) 1,2-Dibromoethane	11.01	107	436587	50.635	ug/l	100
64) Tetrachloroethene	10.63	164	578605	56.493	ug/l	98
65) Chlorobenzene	11.43	112	1342743	49.295	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	486655	51.383	ug/l	100
67) Ethyl Benzene	11.51	91	2341048	49.079	ug/l	100
68) m/p-Xylenes	11.62	106	1760509	99.142	ug/l	99
69) o-Xylene	11.95	106	866867	50.270	ug/l	99
70) Styrene	11.96	104	1441398	52.480	ug/l	99
71) Bromoform	12.13	173	334645	53.364	ug/l #	99
73) Isopropylbenzene	12.25	105	2323922	45.984	ug/l	99
74) N-amyl acetate	12.07	43	667190	52.255	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	518239	45.079	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	425044m	42.790	ug/l	
77) Bromobenzene	12.53	156	595539	47.675	ug/l	97
78) n-propylbenzene	12.59	91	2653965	46.226	ug/l	99
79) 2-Chlorotoluene	12.68	91	1557986	45.569	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1882378	46.702	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	131691	44.274	ug/l	98
82) 4-Chlorotoluene	12.77	91	1612723	46.803	ug/l	99
83) tert-Butylbenzene	12.99	119	1670721	46.496	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1921891	47.579	ug/l	100
85) sec-Butylbenzene	13.17	105	2259428	46.166	ug/l	99
86) p-Isopropyltoluene	13.29	119	1963771	47.109	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1057910	48.416	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1042467	48.435	ug/l	100
89) n-Butylbenzene	13.62	91	1664679	48.018	ug/l	100
90) Hexachloroethane	13.88	117	324541	45.980	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	1021264	48.921	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82022	49.885	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	568237	49.706	ug/l	100
94) Hexachlorobutadiene	15.01	225	303706	45.222	ug/l	99
95) Naphthalene	15.13	128	1207666	49.810	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	524316	49.873	ug/l	99

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

