

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\
 Data File : VN053317.D
 Acq On : 8 Jan 2019 17:39
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 10:58:07 AM

Quant Time: Jan 09 01:10:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1042585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1561752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1428170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	689727	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	511939	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
35) Dibromofluoromethane	7.59	113	439275	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.09	98	1899276	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.40	95	681283	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	450909	49.057	ug/l	99
3) Chloromethane	2.06	50	581788	45.326	ug/l	100
4) Vinyl Chloride	2.19	62	575790	46.999	ug/l	100
5) Bromomethane	2.56	94	374886	46.829	ug/l	100
6) Chloroethane	2.71	64	345734	46.755	ug/l	100
7) Trichlorofluoromethane	3.02	101	753113	47.459	ug/l	98
8) Diethyl Ether	3.41	74	295761	47.552	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	487460	48.469	ug/l	99
10) Methyl Iodide	3.96	142	708062	50.226	ug/l	99
11) Tert butyl alcohol	4.78	59	152128	233.179	ug/l	99
12) 1,1-Dichloroethene	3.74	96	461829	47.474	ug/l	99
13) Acrolein	3.61	56	184407	224.806	ug/l	99
14) Allyl chloride	4.33	41	716052	45.669	ug/l	99
15) Acrylonitrile	4.99	53	914742	234.874	ug/l	99
16) Acetone	3.82	43	603765	231.114	ug/l	98
17) Carbon Disulfide	4.06	76	1364110	45.483	ug/l	99
18) Methyl Acetate	4.32	43	434081	44.218	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1316596	48.223	ug/l	100
20) Methylene Chloride	4.55	84	525838	45.137	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	499926	47.862	ug/l	98
22) Diisopropyl ether	5.95	45	1608360	47.617	ug/l	98
23) Vinyl Acetate	5.90	43	5140334	241.863	ug/l	99
24) 1,1-Dichloroethane	5.85	63	920738	47.263	ug/l	100
25) 2-Butanone	6.83	43	1021206	229.484	ug/l	100
26) 2,2-Dichloropropane	6.82	77	677268	47.559	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	568858	47.691	ug/l	99
28) Bromochloromethane	7.19	49	399944	48.176	ug/l	98
29) Tetrahydrofuran	7.21	42	681820	232.180	ug/l	99
30) Chloroform	7.37	83	903266	47.107	ug/l	98
31) Cyclohexane	7.65	56	854462	46.141	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	759963	47.562	ug/l	99
36) 1,1-Dichloropropene	7.79	75	723507	49.623	ug/l	99
37) Ethyl Acetate	6.93	43	454434	47.851	ug/l	99
38) Carbon Tetrachloride	7.78	117	660198	49.058	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	812529	48.104	ug/l	100
40) Benzene	8.04	78	2157560	48.445	ug/l	99
41) Methacrylonitrile	7.17	41	249404	42.301	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	629391	47.643	ug/l	100
43) Isopropyl Acetate	8.16	43	819972	43.890	ug/l	99
44) Trichloroethene	8.83	130	597043	48.822	ug/l	100
45) 1,2-Dichloropropane	9.12	63	568950	48.708	ug/l	99
46) Dibromomethane	9.21	93	332227	48.780	ug/l	99
47) Bromodichloromethane	9.40	83	689727	48.596	ug/l	99
48) Methyl methacrylate	9.20	41	415750	48.982	ug/l	99
49) 1,4-Dioxane	9.20	88	85947	950.418	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2320443	246.984	ug/l	100
52) Toluene	10.16	92	1355262	49.602	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	735206	50.636	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	843845	50.295	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	485600	48.335	ug/l	100
56) Ethyl methacrylate	10.43	69	669132	51.253	ug/l	99
57) 1,3-Dichloropropane	10.71	76	823917	49.041	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1668014	236.325	ug/l	100
59) 2-Hexanone	10.75	43	1587909	246.678	ug/l	99
60) Dibromochloromethane	10.90	129	544151	50.217	ug/l	100
61) 1,2-Dibromoethane	11.01	107	490313	49.456	ug/l	98
64) Tetrachloroethene	10.63	164	642506	47.799	ug/l	99
65) Chlorobenzene	11.43	112	1511141	48.707	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	529149	48.728	ug/l	100
67) Ethyl Benzene	11.51	91	2627332	49.837	ug/l	100
68) m/p-Xylenes	11.62	106	1992372	100.505	ug/l	100
69) o-Xylene	11.95	106	967703	49.862	ug/l	99
70) Styrene	11.96	104	1613048	51.069	ug/l	100
71) Bromoform	12.13	173	387060	50.462	ug/l #	100
73) Isopropylbenzene	12.25	105	2517134	49.017	ug/l	100
74) N-amyl acetate	12.07	43	780388	50.892	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	568162	48.097	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	492522m	48.958	ug/l	
77) Bromobenzene	12.53	156	675083	49.256	ug/l	99
78) n-propylbenzene	12.59	91	2894518	49.831	ug/l	99
79) 2-Chlorotoluene	12.68	91	1715321	48.804	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2027162	49.008	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	176468	51.610	ug/l	99
82) 4-Chlorotoluene	12.77	91	1792025	49.723	ug/l	100
83) tert-Butylbenzene	12.99	119	1735765	47.828	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2080037	49.360	ug/l	100
85) sec-Butylbenzene	13.17	105	2325591	48.590	ug/l	100
86) p-Isopropyltoluene	13.29	119	2047973	49.421	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1185718	49.127	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1176596	49.143	ug/l	99
89) n-Butylbenzene	13.62	91	1747288	50.292	ug/l	100
90) Hexachloroethane	13.88	117	313974	47.272	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1111053	49.145	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	70252	49.032	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	378666	53.269	ug/l	100
94) Hexachlorobutadiene	15.01	225	275857	47.444	ug/l	98
95) Naphthalene	15.13	128	673925	55.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	249431	53.595	ug/l	98

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

