

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110218\
 Data File : VN052140.D
 Acq On : 2 Nov 2018 20:12
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 11:53:28 AM

Quant Time: Nov 02 23:58:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	287344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	530544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	484248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	220237	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	197968	42.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.86%	
35) Dibromofluoromethane	7.60	113	168610	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	10.09	98	645483	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.40	95	226312	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	168467	48.234	ug/l	97
3) Chloromethane	2.06	50	191968	43.610	ug/l	99
4) Vinyl Chloride	2.19	62	203766	43.008	ug/l	97
5) Bromomethane	2.57	94	125864	35.414	ug/l	97
6) Chloroethane	2.71	64	129477	42.326	ug/l	97
7) Trichlorofluoromethane	3.02	101	276636	51.127	ug/l	99
8) Diethyl Ether	3.41	74	97007	48.062	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	153322	48.032	ug/l	95
10) Methyl Iodide	3.96	142	203500	48.647	ug/l	99
11) Tert butyl alcohol	4.79	59	59610	258.161	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	144994	48.100	ug/l	93
13) Acrolein	3.61	56	33190	153.208	ug/l	97
14) Allyl chloride	4.33	41	264614	43.864	ug/l	98
15) Acrylonitrile	4.99	53	333886	252.938	ug/l	99
16) Acetone	3.82	43	233849	237.593	ug/l	99
17) Carbon Disulfide	4.06	76	395444	41.632	ug/l	99
18) Methyl Acetate	4.33	43	158438	50.567	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	467529	47.219	ug/l	98
20) Methylene Chloride	4.56	84	176789	47.139	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	161676	47.037	ug/l	94
22) Diisopropyl ether	5.96	45	585498	44.903	ug/l	99
23) Vinyl Acetate	5.90	43	2124164	235.116	ug/l	98
24) 1,1-Dichloroethane	5.85	63	323819	44.413	ug/l	99
25) 2-Butanone	6.84	43	397322	257.375	ug/l	96
26) 2,2-Dichloropropane	6.83	77	214117	36.977	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	189704	46.215	ug/l	94
28) Bromochloromethane	7.20	49	151956	42.054	ug/l	87
29) Tetrahydrofuran	7.22	42	267514	260.108	ug/l	96
30) Chloroform	7.38	83	329533	45.279	ug/l	94
31) Cyclohexane	7.66	56	285033	41.692	ug/l	94
32) 1,1,1-Trichloroethane	7.58	97	281917	48.165	ug/l	97
36) 1,1-Dichloropropene	7.80	75	244274	45.281	ug/l	97
37) Ethyl Acetate	6.93	43	181659	50.310	ug/l	98
38) Carbon Tetrachloride	7.78	117	240484	51.701	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	283587	44.298	ug/l	94
40) Benzene	8.05	78	739624	47.400	ug/l	97
41) Methacrylonitrile	7.18	41	98655	52.938	ug/l #	92
42) 1,2-Dichloroethane	8.13	62	252097	43.780	ug/l	97
43) Isopropyl Acetate	8.17	43	341921	53.241	ug/l #	91
44) Trichloroethene	8.84	130	179257	51.369	ug/l	93
45) 1,2-Dichloropropane	9.12	63	199041	44.779	ug/l	97
46) Dibromomethane	9.21	93	125577	50.549	ug/l	93
47) Bromodichloromethane	9.41	83	256487	49.502	ug/l	97
48) Methyl methacrylate	9.20	41	161408	49.572	ug/l	98
49) 1,4-Dioxane	9.20	88	30752	1123.198	ug/l	87
51) 4-Methyl-2-Pentanone	9.99	43	940488	269.432	ug/l	100
52) Toluene	10.16	92	452682	48.059	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	250904	45.803	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	285441	46.920	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	174247	51.939	ug/l	96
56) Ethyl methacrylate	10.43	69	239863	49.983	ug/l	98
57) 1,3-Dichloropropane	10.71	76	293150	47.490	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	636343	249.289	ug/l	96
59) 2-Hexanone	10.75	43	658278	264.635	ug/l	99
60) Dibromochloromethane	10.90	129	183210	55.472	ug/l	97
61) 1,2-Dibromoethane	11.01	107	178542	53.535	ug/l	99
64) Tetrachloroethene	10.63	164	154408	52.634	ug/l	98
65) Chlorobenzene	11.44	112	512515	50.250	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	179343	56.000	ug/l	99
67) Ethyl Benzene	11.51	91	884503	48.630	ug/l	99
68) m/p-Xylenes	11.62	106	677524	104.071	ug/l	95
69) o-Xylene	11.95	106	327967	50.911	ug/l	98
70) Styrene	11.97	104	544168	52.206	ug/l	97
71) Bromoform	12.13	173	113185	54.778	ug/l #	99
73) Isopropylbenzene	12.25	105	870406	46.216	ug/l	98
74) N-amyl acetate	12.07	43	309612	47.106	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	225192	49.864	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	187887m	46.604	ug/l	
77) Bromobenzene	12.53	156	205882	52.248	ug/l	83
78) n-propylbenzene	12.59	91	1019698	44.683	ug/l	97
79) 2-Chlorotoluene	12.68	91	592354	44.527	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	702590	45.843	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	57455	47.303	ug/l	98
82) 4-Chlorotoluene	12.77	91	613961	45.258	ug/l	96
83) tert-Butylbenzene	12.99	119	616516	47.887	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	712817	46.727	ug/l	98
85) sec-Butylbenzene	13.17	105	838035	45.568	ug/l	96
86) p-Isopropyltoluene	13.29	119	710395	47.430	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	364456	50.716	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	359979	49.980	ug/l	97
89) n-Butylbenzene	13.62	91	615678	43.102	ug/l	98
90) Hexachloroethane	13.88	117	123911	48.274	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	356052	52.698	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34253	52.573	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	150553	59.841	ug/l	99
94) Hexachlorobutadiene	15.01	225	69115	49.083	ug/l	99
95) Naphthalene	15.13	128	408411	64.720	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	137369	63.272	ug/l	97

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

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