

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052277.D
 Acq On : 13 Nov 2018 10:36
 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
 11/14/2018 11:10:03 AM

Quant Time: Nov 14 00:18:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	281237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	465122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	416812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	193089	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	186378	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	7.59	113	148049	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	10.09	98	583235	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.40	95	196576	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	150992	49.384	ug/l	100
3) Chloromethane	2.06	50	199075	46.636	ug/l	100
4) Vinyl Chloride	2.19	62	171802	48.306	ug/l	100
5) Bromomethane	2.57	94	99133	43.932	ug/l	93
6) Chloroethane	2.71	64	93505	44.273	ug/l	99
7) Trichlorofluoromethane	3.02	101	236458	47.760	ug/l	97
8) Diethyl Ether	3.41	74	91380	46.917	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	152481	48.005	ug/l	100
10) Methyl Iodide	3.96	142	196019	47.562	ug/l	100
11) Tert butyl alcohol	4.77	59	55133	279.644	ug/l #	71
12) 1,1-Dichloroethene	3.74	96	136573	46.450	ug/l	100
13) Acrolein	3.61	56	62399	210.229	ug/l	98
14) Allyl chloride	4.33	41	260505	42.320	ug/l	87
15) Acrylonitrile	4.99	53	296152	244.402	ug/l	98
16) Acetone	3.82	43	290475	304.681	ug/l	100
17) Carbon Disulfide	4.06	76	403276	47.283	ug/l	99
18) Methyl Acetate	4.32	43	150782	46.916	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	407205	48.476	ug/l	99
20) Methylene Chloride	4.55	84	161542	46.072	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	149637	46.828	ug/l	98
22) Diisopropyl ether	5.95	45	584925	47.401	ug/l	98
23) Vinyl Acetate	5.90	43	2107891	248.942	ug/l	99
24) 1,1-Dichloroethane	5.85	63	303821	46.614	ug/l	99
25) 2-Butanone	6.83	43	411647	250.890	ug/l	99
26) 2,2-Dichloropropane	6.83	77	236631	49.708	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	171286	47.886	ug/l	97
28) Bromochloromethane	7.19	49	153644	47.707	ug/l	99
29) Tetrahydrofuran	7.21	42	254310	238.158	ug/l	99
30) Chloroform	7.37	83	297266	48.192	ug/l	98
31) Cyclohexane	7.65	56	295694	49.033	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	245718	48.872	ug/l	99
36) 1,1-Dichloropropene	7.79	75	232173	49.454	ug/l	99
37) Ethyl Acetate	6.93	43	171232	48.494	ug/l	100
38) Carbon Tetrachloride	7.78	117	218495	51.357	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	282195	52.699	ug/l	99
40) Benzene	8.04	78	662019	49.252	ug/l	99
41) Methacrylonitrile	7.18	41	87270	42.534	ug/l	94
42) 1,2-Dichloroethane	8.12	62	230374	48.849	ug/l	99
43) Isopropyl Acetate	8.16	43	311370	50.590	ug/l	99
44) Trichloroethene	8.84	130	164418	48.814	ug/l	99
45) 1,2-Dichloropropane	9.12	63	186922	49.778	ug/l	98
46) Dibromomethane	9.21	93	108449	50.279	ug/l	99
47) Bromodichloromethane	9.40	83	224581	50.254	ug/l	98
48) Methyl methacrylate	9.20	41	160691	49.551	ug/l	99
49) 1,4-Dioxane	9.20	88	30498	1169.885	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	862977	253.893	ug/l	100
52) Toluene	10.16	92	400436	49.386	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	233513	52.951	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	270140	51.891	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	144565	49.328	ug/l	98
56) Ethyl methacrylate	10.43	69	201059	50.761	ug/l	99
57) 1,3-Dichloropropane	10.71	76	258984	49.365	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	570410	260.082	ug/l	99
59) 2-Hexanone	10.75	43	624815	261.858	ug/l	98
60) Dibromochloromethane	10.90	129	160981	54.153	ug/l	99
61) 1,2-Dibromoethane	11.00	107	145638	50.564	ug/l	99
64) Tetrachloroethene	10.63	164	147820	50.653	ug/l	98
65) Chlorobenzene	11.43	112	436027	49.370	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	154167	51.532	ug/l	98
67) Ethyl Benzene	11.51	91	791420	50.945	ug/l	98
68) m/p-Xylenes	11.62	106	587193	101.497	ug/l	100
69) o-Xylene	11.95	106	279628	50.591	ug/l	99
70) Styrene	11.96	104	467164	52.315	ug/l	99
71) Bromoform	12.13	173	96613	54.133	ug/l #	99
73) Isopropylbenzene	12.25	105	767670	48.635	ug/l	100
74) N-amyl acetate	12.07	43	289829	50.578	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	183336	47.379	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	162405m	47.539	ug/l	
77) Bromobenzene	12.53	156	176825	47.859	ug/l	97
78) n-propylbenzene	12.59	91	924441	50.006	ug/l	100
79) 2-Chlorotoluene	12.67	91	520792	48.628	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	624043	49.713	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53013	52.970	ug/l	94
82) 4-Chlorotoluene	12.77	91	538421	50.105	ug/l	99
83) tert-Butylbenzene	12.99	119	534957	48.814	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	633822	50.078	ug/l	100
85) sec-Butylbenzene	13.17	105	768312	51.122	ug/l	100
86) p-Isopropyltoluene	13.29	119	654279	52.038	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	322026	50.067	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	322770	50.127	ug/l	99
89) n-Butylbenzene	13.61	91	597014	53.326	ug/l	99
90) Hexachloroethane	13.87	117	114092	51.700	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	311044	49.553	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27800	50.534	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	145380	58.571	ug/l	99
94) Hexachlorobutadiene	15.01	225	72657	53.869	ug/l	98
95) Naphthalene	15.13	128	333348	54.491	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128704	54.843	ug/l	99

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

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