

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051583.D
 Acq On : 27 Sep 2018 15:25
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/28/2018 5:08:27 PM

Quant Time: Sep 27 17:31:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	505160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	709093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	642658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	344624	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	330442	52.22	ug/l	0.00
Spiked Amount						
			Recovery	=	104.44%	
35) Dibromofluoromethane	7.59	113	297501	52.47	ug/l	0.00
Spiked Amount						
			Recovery	=	104.94%	
50) Toluene-d8	10.09	98	1077566	50.47	ug/l	0.00
Spiked Amount						
			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	371323	53.76	ug/l	0.00
Spiked Amount						
			Recovery	=	107.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	273311	57.992	ug/l	99
3) Chloromethane	2.06	50	385745	51.416	ug/l	98
4) Vinyl Chloride	2.18	62	431806	52.148	ug/l	99
5) Bromomethane	2.56	94	195401	39.390	ug/l	99
6) Chloroethane	2.70	64	207535	40.223	ug/l	100
7) Trichlorofluoromethane	3.01	101	516400	47.612	ug/l	99
8) Diethyl Ether	3.41	74	173124	51.003	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	307644	50.259	ug/l	99
10) Methyl Iodide	3.95	142	378184	46.528	ug/l	98
11) Tert butyl alcohol	4.79	59	92657	259.442	ug/l #	78
12) 1,1-Dichloroethene	3.73	96	273222	48.612	ug/l	99
13) Acrolein	3.61	56	63741	179.734	ug/l	99
14) Allyl chloride	4.32	41	498523	52.866	ug/l	98
15) Acrylonitrile	4.99	53	527757	271.651	ug/l	100
16) Acetone	3.82	43	420837	304.504	ug/l	98
17) Carbon Disulfide	4.05	76	858168	51.971	ug/l	100
18) Methyl Acetate	4.33	43	286457	59.438	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	783031	54.026	ug/l	100
20) Methylene Chloride	4.55	84	318237	50.821	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	302362	52.588	ug/l	98
22) Diisopropyl ether	5.95	45	1030340	56.526	ug/l	99
23) Vinyl Acetate	5.90	43	3421604	285.920	ug/l	99
24) 1,1-Dichloroethane	5.85	63	586575	53.934	ug/l	99
25) 2-Butanone	6.84	43	633441	292.457	ug/l	97
26) 2,2-Dichloropropane	6.82	77	480896	56.645	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	321513	50.963	ug/l	94
28) Bromochloromethane	7.19	49	275930	54.940	ug/l	96
29) Tetrahydrofuran	7.21	42	411997	300.164	ug/l	97
30) Chloroform	7.37	83	573576	53.225	ug/l	99
31) Cyclohexane	7.65	56	541539	54.348	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	490723	53.265	ug/l	100
36) 1,1-Dichloropropene	7.79	75	444941	54.186	ug/l	98
37) Ethyl Acetate	6.93	43	275275	58.305	ug/l	99
38) Carbon Tetrachloride	7.77	117	445552	51.876	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	531271	55.346	ug/l	97
40) Benzene	8.04	78	1307702	54.238	ug/l	100
41) Methacrylonitrile	7.18	41	134511	51.497	ug/l	92
42) 1,2-Dichloroethane	8.12	62	419196	54.298	ug/l	99
43) Isopropyl Acetate	8.17	43	514384	60.251	ug/l	96
44) Trichloroethene	8.84	130	330557	51.617	ug/l	98
45) 1,2-Dichloropropane	9.12	63	357069	54.481	ug/l	100
46) Dibromomethane	9.21	93	201631	54.448	ug/l	98
47) Bromodichloromethane	9.40	83	434107	52.972	ug/l	100
48) Methyl methacrylate	9.20	41	247352	58.113	ug/l	97
49) 1,4-Dioxane	9.20	88	49783	954.341	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1367379	291.228	ug/l	98
52) Toluene	10.16	92	797905	53.251	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	446856	54.010	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	524020	54.616	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	283731	53.580	ug/l	97
56) Ethyl methacrylate	10.43	69	360335	55.655	ug/l	97
57) 1,3-Dichloropropane	10.71	76	489422	53.922	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	927916	263.621	ug/l	98
59) 2-Hexanone	10.75	43	937229	307.921	ug/l	98
60) Dibromochloromethane	10.90	129	326128	52.197	ug/l	99
61) 1,2-Dibromoethane	11.01	107	277659	54.012	ug/l	99
64) Tetrachloroethene	10.63	164	311089	53.338	ug/l	97
65) Chlorobenzene	11.43	112	856922	51.971	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	321855	51.235	ug/l	99
67) Ethyl Benzene	11.51	91	1501409	54.031	ug/l	99
68) m/p-Xylenes	11.62	106	1168532	108.716	ug/l	99
69) o-Xylene	11.95	106	553415	53.558	ug/l	97
70) Styrene	11.96	104	890188	54.368	ug/l	99
71) Bromoform	12.13	173	224684	52.711	ug/l #	97
73) Isopropylbenzene	12.25	105	1484960	51.070	ug/l	100
74) N-amyl acetate	12.07	43	412374	56.524	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	355919	52.491	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	318480m	55.669	ug/l	
77) Bromobenzene	12.53	156	361004	49.044	ug/l	95
78) n-propylbenzene	12.59	91	1730958	52.820	ug/l	99
79) 2-Chlorotoluene	12.68	91	1018170	51.905	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1261458	53.204	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	102948	55.333	ug/l	99
82) 4-Chlorotoluene	12.77	91	1029462	52.581	ug/l	99
83) tert-Butylbenzene	12.99	119	1064290	50.432	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1280404	53.592	ug/l	99
85) sec-Butylbenzene	13.17	105	1496015	52.400	ug/l	99
86) p-Isopropyltoluene	13.29	119	1313684	53.177	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	648762	50.931	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	628269	51.260	ug/l	99
89) n-Butylbenzene	13.62	91	1109398	54.612	ug/l	99
90) Hexachloroethane	13.88	117	243104	49.390	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	633043	51.220	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54206	56.018	ug/l	92

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93) 1,2,4-Trichlorobenzene	14.91	180	323849	48.770	ug/l	98
94) Hexachlorobutadiene	15.01	225	237440	50.776	ug/l	99
95) Naphthalene	15.13	128	592612	46.853	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	314741	53.065	ug/l	98

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

