

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049771.D
 Acq On : 12 Jul 2018 12:06
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 1:35:09 PM

Quant Time: Jul 12 15:46:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:09:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1302662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1857994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1722938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	920283	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	726180	42.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.42%	
35) Dibromofluoromethane	7.59	113	698160	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	10.09	98	2374428	43.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.34%	
62) 4-Bromofluorobenzene	12.40	95	872978	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	569069	38.76	ug/l	97
3) Chloromethane	2.06	50	744162	40.59	ug/l	99
4) Vinyl Chloride	2.18	62	817579	41.52	ug/l	99
5) Bromomethane	2.56	94	497617	48.11	ug/l	97
6) Chloroethane	2.70	64	535319	42.95	ug/l	99
7) Trichlorofluoromethane	3.01	101	1151488	51.19	ug/l	99
8) Diethyl Ether	3.41	74	406674	44.60	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	740199	45.74	ug/l	99
10) Methyl Iodide	3.95	142	1033111	51.01	ug/l	100
11) Tert butyl alcohol	4.80	59	238146	241.24	ug/l	100
12) 1,1-Dichloroethene	3.74	96	655773	42.86	ug/l	98
13) Acrolein	3.61	56	218583	237.05	ug/l	100
14) Allyl chloride	4.33	41	1069636	50.90	ug/l	99
15) Acrylonitrile	4.99	53	1200376	235.44	ug/l	98
16) Acetone	3.82	43	890078	208.90	ug/l	100
17) Carbon Disulfide	4.05	76	1770480	38.17	ug/l	99
18) Methyl Acetate	4.33	43	605901	23.37	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1888841	47.89	ug/l	100
20) Methylene Chloride	4.55	84	772889	43.63	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	708726	45.01	ug/l	99
22) Diisopropyl ether	5.96	45	2339307	49.20	ug/l	97
23) Vinyl Acetate	5.90	43	7860944	254.94	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1375328	45.91	ug/l	100
25) 2-Butanone	6.84	43	1401968	245.49	ug/l	99
26) 2,2-Dichloropropane	6.83	77	1153025	46.35	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	826343	46.98	ug/l	100
28) Bromochloromethane	7.20	49	636734	50.08	ug/l	98
29) Tetrahydrofuran	7.22	42	894471	245.74	ug/l	99
30) Chloroform	7.37	83	1416375	46.38	ug/l	100
31) Cyclohexane	7.65	56	1165580	39.51	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1207717	46.72	ug/l	99
36) 1,1-Dichloropropene	7.80	75	1045341	50.01	ug/l	100
37) Ethyl Acetate	6.93	43	625087	51.27	ug/l	99
38) Carbon Tetrachloride	7.78	117	1071611	52.70	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1136059	49.57	ug/l	98
40) Benzene	8.04	78	3127665	49.00	ug/l	100
41) Methacrylonitrile	7.18	41	348900	50.77	ug/l	98
42) 1,2-Dichloroethane	8.13	62	1007225	49.45	ug/l	100
43) Isopropyl Acetate	8.17	43	1134467	39.38	ug/l	96
44) Trichloroethene	8.84	130	824420	42.83	ug/l	98
45) 1,2-Dichloropropane	9.12	63	833156	50.52	ug/l	99
46) Dibromomethane	9.21	93	490949	49.21	ug/l	98
47) Bromodichloromethane	9.40	83	1088217	51.24	ug/l	98
48) Methyl methacrylate	9.20	41	562722	51.94	ug/l	99
49) 1,4-Dioxane	9.20	88	149946	1029.44	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	3131794	261.99	ug/l	100
52) Toluene	10.16	92	1948366	50.53	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1104863	54.33	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	1264422	53.20	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	716460	49.90	ug/l	99
56) Ethyl methacrylate	10.43	69	904052	53.72	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1198009	51.46	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2194285	280.07	ug/l	100
59) 2-Hexanone	10.75	43	2118201	267.97	ug/l	100
60) Dibromochloromethane	10.90	129	833601	53.72	ug/l	99
61) 1,2-Dibromoethane	11.01	107	696428	50.62	ug/l	100
64) Tetrachloroethene	10.63	164	746259	31.99	ug/l	99
65) Chlorobenzene	11.44	112	2162404	48.11	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	815253	50.48	ug/l	99
67) Ethyl Benzene	11.51	91	3743558	50.39	ug/l	100
68) m/p-Xylenes	11.62	106	2893274	101.61	ug/l	99
69) o-Xylene	11.95	106	1377036	50.51	ug/l	98
70) Styrene	11.97	104	2283453	51.77	ug/l	100
71) Bromoform	12.13	173	568079	52.94	ug/l	100
73) Isopropylbenzene	12.25	105	3748449	51.14	ug/l	100
74) N-amyl acetate	12.07	43	997307	49.81	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	891252	51.49	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	737178m	49.95	ug/l	
77) Bromobenzene	12.53	156	945552	47.44	ug/l	100
78) n-propylbenzene	12.59	91	4347452	51.75	ug/l	100
79) 2-Chlorotoluene	12.68	91	2552963	48.01	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3083801	50.62	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	249757	57.47	ug/l	99
82) 4-Chlorotoluene	12.77	91	2600244	48.64	ug/l	100
83) tert-Butylbenzene	12.99	119	2680902	51.23	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3116629	49.79	ug/l	100
85) sec-Butylbenzene	13.17	105	3618621	52.19	ug/l	100
86) p-Isopropyltoluene	13.29	119	3159923	52.62	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1699488	46.18	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1652485	44.98	ug/l	99
89) n-Butylbenzene	13.62	91	2630757	51.17	ug/l	100
90) Hexachloroethane	13.88	117	588112	93.23	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1640634	45.87	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	132046	43.72	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	890468	54.06	ug/l	99
94) Hexachlorobutadiene	15.01	225	536618	46.97	ug/l	99
95) Naphthalene	15.14	128	1824549	51.63	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	876409	51.72	ug/l	99

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

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