

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081318\
 Data File : VN050558.D
 Acq On : 13 Aug 2018 10:48
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/14/2018 12:50:43 PM

Quant Time: Aug 14 01:11:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	666041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	943131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	888155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	459450	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	391225	43.96	ug/l	0.00
Spiked Amount						
			Recovery	=	87.92%	
35) Dibromofluoromethane	7.59	113	364726	48.20	ug/l	0.00
Spiked Amount						
			Recovery	=	96.40%	
50) Toluene-d8	10.09	98	1355915	47.65	ug/l	0.00
Spiked Amount						
			Recovery	=	95.30%	
62) 4-Bromofluorobenzene	12.40	95	462745	47.72	ug/l	0.00
Spiked Amount						
			Recovery	=	95.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	310331	41.97	ug/l	100
3) Chloromethane	2.06	50	398249	45.45	ug/l	100
4) Vinyl Chloride	2.18	62	408485	42.68	ug/l	97
5) Bromomethane	2.56	94	225326	48.57	ug/l	100
6) Chloroethane	2.70	64	252326	42.79	ug/l	98
7) Trichlorofluoromethane	3.01	101	544919	44.09	ug/l	99
8) Diethyl Ether	3.41	74	205262	45.29	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	351296	45.99	ug/l	100
10) Methyl Iodide	3.95	142	187475	55.71	ug/l	99
11) Tert butyl alcohol	4.79	59	115699	161.85	ug/l	99
12) 1,1-Dichloroethene	3.73	96	310478	43.12	ug/l	97
13) Acrolein	3.61	56	79797	95.66	ug/l	97
14) Allyl chloride	4.32	41	516133	44.63	ug/l	96
15) Acrylonitrile	4.99	53	627126	209.43	ug/l	99
16) Acetone	3.81	43	548510	206.62	ug/l	99
17) Carbon Disulfide	4.05	76	904641	38.64	ug/l	99
18) Methyl Acetate	4.32	43	314179	45.54	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	923076	45.17	ug/l	100
20) Methylene Chloride	4.55	84	380685	46.81	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	341997	43.89	ug/l	97
22) Diisopropyl ether	5.95	45	1151252	48.74	ug/l	99
23) Vinyl Acetate	5.90	43	3835747	227.58	ug/l	100
24) 1,1-Dichloroethane	5.85	63	662679	45.72	ug/l	100
25) 2-Butanone	6.84	43	885227	200.75	ug/l	100
26) 2,2-Dichloropropane	6.82	77	528097	44.20	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	399275	46.23	ug/l	100
28) Bromochloromethane	7.19	49	322256	48.30	ug/l	100
29) Tetrahydrofuran	7.21	42	462028	195.75	ug/l	100
30) Chloroform	7.37	83	672933	46.44	ug/l	100
31) Cyclohexane	7.65	56	563748	44.12	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	555957	44.68	ug/l	99
36) 1,1-Dichloropropene	7.79	75	500794	48.33	ug/l	99
37) Ethyl Acetate	6.93	43	314571	42.15	ug/l	100
38) Carbon Tetrachloride	7.77	117	492364	45.55	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	536448	47.43	ug/l	99
40) Benzene	8.04	78	1528661	47.98	ug/l	100
41) Methacrylonitrile	7.17	41	177463	44.72	ug/l #	81
42) 1,2-Dichloroethane	8.12	62	480605	47.52	ug/l	100
43) Isopropyl Acetate	8.16	43	559587	43.44	ug/l	98
44) Trichloroethene	8.83	130	393795	46.00	ug/l	98
45) 1,2-Dichloropropane	9.12	63	411545	49.13	ug/l	99
46) Dibromomethane	9.21	93	245812	47.52	ug/l	98
47) Bromodichloromethane	9.40	83	524301	48.94	ug/l	99
48) Methyl methacrylate	9.20	41	279454	43.28	ug/l	97
49) 1,4-Dioxane	9.20	88	75735	760.96	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2005225	216.13	ug/l	99
52) Toluene	10.16	92	950394	49.66	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	529847	49.26	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	610918	50.89	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	352197	47.14	ug/l	98
56) Ethyl methacrylate	10.43	69	448568	42.69	ug/l	98
57) 1,3-Dichloropropane	10.71	76	595664	48.57	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1071827	218.46	ug/l	100
59) 2-Hexanone	10.75	43	1353676	209.07	ug/l	98
60) Dibromochloromethane	10.90	129	404582	49.16	ug/l	97
61) 1,2-Dibromoethane	11.00	107	349093	47.40	ug/l	98
64) Tetrachloroethene	10.63	164	371803	44.80	ug/l	99
65) Chlorobenzene	11.43	112	1058113	47.52	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	396336	48.91	ug/l	99
67) Ethyl Benzene	11.51	91	1790475	49.75	ug/l	100
68) m/p-Xylenes	11.62	106	1387998	101.30	ug/l	100
69) o-Xylene	11.95	106	659554	49.97	ug/l	100
70) Styrene	11.96	104	1103915	51.43	ug/l	100
71) Bromoform	12.13	173	279900	47.26	ug/l #	99
73) Isopropylbenzene	12.25	105	1747273	50.66	ug/l	99
74) N-amyl acetate	12.07	43	490081	43.84	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	439342	44.15	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	381004m	45.81	ug/l	
77) Bromobenzene	12.53	156	457088	49.47	ug/l	99
78) n-propylbenzene	12.59	91	2018186	51.70	ug/l	100
79) 2-Chlorotoluene	12.67	91	1200676	49.80	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1456368	52.02	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	115727	48.89	ug/l	96
82) 4-Chlorotoluene	12.77	91	1223171	50.87	ug/l	99
83) tert-Butylbenzene	12.99	119	1219837	49.94	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1487857	52.46	ug/l	100
85) sec-Butylbenzene	13.17	105	1648914	50.65	ug/l	100
86) p-Isopropyltoluene	13.29	119	1440003	51.62	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	797058	48.43	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	778010	47.34	ug/l	100
89) n-Butylbenzene	13.62	91	1174613	49.46	ug/l	99
90) Hexachloroethane	13.87	117	246341	49.66	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	757976	45.95	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	62632	37.07	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	393733	46.86	ug/l	98
94) Hexachlorobutadiene	15.01	225	240026	52.37	ug/l	99
95) Naphthalene	15.13	128	822326	37.91	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	376249	44.29	ug/l	99

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

