

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111418\
 Data File : VN052307.D
 Acq On : 14 Nov 2018 11:50
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/20/2018 2:58:18 PM

Quant Time: Nov 15 02:54:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 02:30:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	271211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	453099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	412841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	190828	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	189446	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.59	113	150381	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	10.09	98	582193	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.40	95	196752	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	149654	52.073	ug/l 100
3) Chloromethane	2.06	50	204111	51.106	ug/l 100
4) Vinyl Chloride	2.19	62	171355	49.634	ug/l 100
5) Bromomethane	2.57	94	102299	47.531	ug/l 100
6) Chloroethane	2.71	64	97574	49.987	ug/l 100
7) Trichlorofluoromethane	3.02	101	235817	49.362	ug/l 100
8) Diethyl Ether	3.41	74	90807	49.873	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	147788	48.986	ug/l 100
10) Methyl Iodide	3.96	142	205406	50.708	ug/l 100
11) Tert butyl alcohol	4.77	59	47471	233.760	ug/l 100
12) 1,1-Dichloroethene	3.74	96	135500	48.534	ug/l 100
13) Acrolein	3.61	56	73866	264.414	ug/l 100
14) Allyl chloride	4.33	41	288710	50.362	ug/l 100
15) Acrylonitrile	4.99	53	291212	248.545	ug/l 100
16) Acetone	3.82	43	255439	238.165	ug/l 100
17) Carbon Disulfide	4.06	76	402631	50.293	ug/l 100
18) Methyl Acetate	4.33	43	144282	47.139	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	407576	50.800	ug/l 100
20) Methylene Chloride	4.55	84	161478	45.993	ug/l 100
21) trans-1,2-Dichloroethene	5.05	96	147319	50.941	ug/l 100
22) Diisopropyl ether	5.95	45	591927	50.071	ug/l 100
23) Vinyl Acetate	5.90	43	2100328	264.705	ug/l 100
24) 1,1-Dichloroethane	5.85	63	305515	48.711	ug/l 100
25) 2-Butanone	6.83	43	372375	250.839	ug/l 100
26) 2,2-Dichloropropane	6.82	77	233010	50.524	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	172541	49.309	ug/l 100
28) Bromochloromethane	7.19	49	158524	49.156	ug/l 100
29) Tetrahydrofuran	7.21	42	242956	247.190	ug/l 100
30) Chloroform	7.37	83	296307	49.572	ug/l 100
31) Cyclohexane	7.66	56	288218	39.638	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	250996	49.294	ug/l 100
36) 1,1-Dichloropropene	7.79	75	230146	50.677	ug/l 100
37) Ethyl Acetate	6.93	43	171557	49.441	ug/l 100
38) Carbon Tetrachloride	7.78	117	218553	52.382	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	263123	50.753	ug/l	100
40) Benzene	8.04	78	656900	50.633	ug/l	100
41) Methacrylonitrile	7.18	41	86828m	46.500	ug/l	
42) 1,2-Dichloroethane	8.13	62	230577	49.840	ug/l	100
43) Isopropyl Acetate	8.16	43	309989	48.741	ug/l	100
44) Trichloroethene	8.83	130	163351	51.114	ug/l	100
45) 1,2-Dichloropropane	9.12	63	181212	49.217	ug/l	100
46) Dibromomethane	9.21	93	109221	51.242	ug/l	100
47) Bromodichloromethane	9.40	83	223635	51.129	ug/l	100
48) Methyl methacrylate	9.20	41	158573	49.137	ug/l	100
49) 1,4-Dioxane	9.20	88	26925	1086.853	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	836471	261.281	ug/l	100
52) Toluene	10.16	92	397871	51.265	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	232989	52.816	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	265103	52.717	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	141191	50.183	ug/l	100
56) Ethyl methacrylate	10.43	69	196513	53.110	ug/l	100
57) 1,3-Dichloropropane	10.71	76	258027	51.776	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	561179	266.394	ug/l	100
59) 2-Hexanone	10.75	43	576171	261.654	ug/l	100
60) Dibromochloromethane	10.90	129	157381	51.701	ug/l	100
61) 1,2-Dibromoethane	11.00	107	144187	51.448	ug/l	100
64) Tetrachloroethene	10.63	164	142679	48.612	ug/l	100
65) Chlorobenzene	11.43	112	431292	49.424	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	153706	51.653	ug/l	100
67) Ethyl Benzene	11.51	91	775966	51.233	ug/l	100
68) m/p-Xylenes	11.62	106	579785	104.770	ug/l	100
69) o-Xylene	11.95	106	280275	52.836	ug/l	100
70) Styrene	11.96	104	454047	53.456	ug/l	100
71) Bromoform	12.13	173	92477	52.634	ug/l #	100
73) Isopropylbenzene	12.25	105	748665	48.797	ug/l	100
74) N-amyl acetate	12.07	43	286770	52.477	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	178918	48.241	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	161051m	53.679	ug/l	
77) Bromobenzene	12.53	156	174079	48.764	ug/l	100
78) n-propylbenzene	12.59	91	901590	50.247	ug/l	100
79) 2-Chlorotoluene	12.67	91	511361	48.784	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	620735	50.876	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	50330	50.414	ug/l	100
82) 4-Chlorotoluene	12.77	91	523401	48.737	ug/l	100
83) tert-Butylbenzene	12.99	119	530999	49.296	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	629556	51.400	ug/l	100
85) sec-Butylbenzene	13.17	105	746556	50.879	ug/l	100
86) p-Isopropyltoluene	13.29	119	635812	51.154	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	313660	49.473	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	308940	49.013	ug/l	100
89) n-Butylbenzene	13.61	91	566288	53.047	ug/l	100
90) Hexachloroethane	13.87	117	110202	50.058	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	304395	49.556	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26774	48.955	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	136465	53.991	ug/l	100
94) Hexachlorobutadiene	15.01	225	68987	49.069	ug/l	100
95) Naphthalene	15.13	128	327582	57.357	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	126481	54.190	ug/l	100

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

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