

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049841.D
 Acq On : 17 Jul 2018 11:55
 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
 7/18/2018 11:59:10 AM

Quant Time: Jul 17 12:24:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 17:24:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	631389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	917922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	851127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	461688	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	437634	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
35) Dibromofluoromethane	7.59	113	383223	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
50) Toluene-d8	10.09	98	1430915	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	484902	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	286106	40.30	ug/l	97
3) Chloromethane	2.06	50	380477	41.04	ug/l	100
4) Vinyl Chloride	2.18	62	424221	43.51	ug/l	99
5) Bromomethane	2.55	94	250594	35.50	ug/l	99
6) Chloroethane	2.69	64	268828	44.65	ug/l	99
7) Trichlorofluoromethane	3.01	101	564875	44.60	ug/l	98
8) Diethyl Ether	3.41	74	206010	44.01	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	339779	43.36	ug/l	100
10) Methyl Iodide	3.95	142	495610	55.22	ug/l	98
11) Tert butyl alcohol	4.81	59	170891	192.56	ug/l	100
12) 1,1-Dichloroethene	3.73	96	316099	44.19	ug/l	98
13) Acrolein	3.61	56	143138	219.72	ug/l	99
14) Allyl chloride	4.32	41	514267	43.42	ug/l	99
15) Acrylonitrile	5.00	53	724893	217.94	ug/l	99
16) Acetone	3.82	43	543002	198.69	ug/l	99
17) Carbon Disulfide	4.05	76	935842	38.09	ug/l	99
18) Methyl Acetate	4.33	43	364946	36.83	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	962384	45.98	ug/l	99
20) Methylene Chloride	4.55	84	368514	42.08	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	344204	43.45	ug/l	99
22) Diisopropyl ether	5.96	45	1103746	48.48	ug/l	98
23) Vinyl Acetate	5.90	43	4119436	234.96	ug/l	99
24) 1,1-Dichloroethane	5.85	63	647440	45.56	ug/l	99
25) 2-Butanone	6.84	43	877247	210.62	ug/l	100
26) 2,2-Dichloropropane	6.83	77	497864	43.46	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	393188	45.86	ug/l	97
28) Bromochloromethane	7.20	49	322882	50.30	ug/l	97
29) Tetrahydrofuran	7.22	42	577346	214.35	ug/l	98
30) Chloroform	7.37	83	672011	45.93	ug/l	100
31) Cyclohexane	7.66	56	554375	39.35	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	579309	46.59	ug/l	100
36) 1,1-Dichloropropene	7.80	75	496841	46.84	ug/l	100
37) Ethyl Acetate	6.94	43	382693	45.66	ug/l	99
38) Carbon Tetrachloride	7.78	117	507854	46.56	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	529170	47.28	ug/l	99
40) Benzene	8.04	78	1507560	47.00	ug/l	99
41) Methacrylonitrile	7.18	41	206791	51.73	ug/l	99
42) 1,2-Dichloroethane	8.13	62	498366	47.21	ug/l	99
43) Isopropyl Acetate	8.17	43	648422	32.24	ug/l	96
44) Trichloroethene	8.84	130	390084	45.99	ug/l	99
45) 1,2-Dichloropropane	9.12	63	394595	47.67	ug/l	99
46) Dibromomethane	9.21	93	253197	46.07	ug/l	99
47) Bromodichloromethane	9.41	83	519903	47.55	ug/l	99
48) Methyl methacrylate	9.20	41	323528	45.43	ug/l	99
49) 1,4-Dioxane	9.20	88	98787	850.58	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1981397	230.59	ug/l	100
52) Toluene	10.16	92	948206	49.16	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	535084	47.33	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	597590	48.39	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	366231	47.05	ug/l	98
56) Ethyl methacrylate	10.43	69	498272	48.52	ug/l	98
57) 1,3-Dichloropropane	10.71	76	605459	47.50	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1210883	252.74	ug/l	100
59) 2-Hexanone	10.76	43	1384323	227.22	ug/l	99
60) Dibromochloromethane	10.90	129	413629	47.59	ug/l	99
61) 1,2-Dibromoethane	11.01	107	367939	47.45	ug/l	99
64) Tetrachloroethene	10.63	164	356557	45.40	ug/l	99
65) Chlorobenzene	11.44	112	1023008	46.47	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	388144	47.45	ug/l	99
67) Ethyl Benzene	11.51	91	1766762	49.05	ug/l	99
68) m/p-Xylenes	11.62	106	1359619	99.03	ug/l	98
69) o-Xylene	11.95	106	652000	49.95	ug/l	97
70) Styrene	11.97	104	1083032	50.69	ug/l	100
71) Bromoform	12.13	173	310671	47.76	ug/l #	99
73) Isopropylbenzene	12.25	105	1736794	47.30	ug/l	100
74) N-amyl acetate	12.07	43	577446	44.91	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	507579	42.56	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	412049m	41.36	ug/l	
77) Bromobenzene	12.53	156	453006	45.35	ug/l	97
78) n-propylbenzene	12.59	91	1992266	47.85	ug/l	100
79) 2-Chlorotoluene	12.68	91	1194188	46.25	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1407600	48.33	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	145708	46.15	ug/l	99
82) 4-Chlorotoluene	12.78	91	1198805	45.74	ug/l	100
83) tert-Butylbenzene	12.99	119	1223656	47.49	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1455799	49.06	ug/l	100
85) sec-Butylbenzene	13.17	105	1634927	47.76	ug/l	100
86) p-Isopropyltoluene	13.29	119	1421493	48.70	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	792615	44.72	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	775023	43.06	ug/l	99
89) n-Butylbenzene	13.62	91	1162615	47.26	ug/l	100
90) Hexachloroethane	13.88	117	274353	44.26	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	788468	45.11	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83339	39.68	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	407226	45.87	ug/l	99
94) Hexachlorobutadiene	15.01	225	238693	43.82	ug/l	99
95) Naphthalene	15.14	128	999980	45.23	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	412280	44.13	ug/l	98

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

