

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021320\
 Data File : VN060082.D
 Acq On : 13 Feb 2020 9:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 10:27:38 AM

Quant Time: Feb 14 05:19:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	216320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	336675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164224	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	125096	47.52	ug/l	0.00
Spiked Amount						
			Recovery	=	95.04%	
35) Dibromofluoromethane	7.56	113	100576	48.60	ug/l	0.00
Spiked Amount						
			Recovery	=	97.20%	
50) Toluene-d8	10.08	98	396962	48.71	ug/l	0.00
Spiked Amount						
			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.40	95	149082	49.78	ug/l	0.00
Spiked Amount						
			Recovery	=	99.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	106115	49.076	ug/l	100
3) Chloromethane	2.04	50	119311	46.368	ug/l	98
4) Vinyl Chloride	2.17	62	136734	46.620	ug/l	99
5) Bromomethane	2.54	94	83479	46.418	ug/l	99
6) Chloroethane	2.68	64	68336	46.065	ug/l	98
7) Trichlorofluoromethane	3.00	101	174946	46.264	ug/l	99
8) Diethyl Ether	3.38	74	61372	48.756	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	101351	48.275	ug/l	99
10) Methyl Iodide	3.93	142	126773	45.183	ug/l	99
11) Tert butyl alcohol	4.73	59	95389	242.164	ug/l	100
12) 1,1-Dichloroethene	3.72	96	99487	48.644	ug/l	98
13) Acrolein	3.57	56	59135	151.882	ug/l	98
14) Allyl chloride	4.29	41	138614	46.047	ug/l	98
15) Acrylonitrile	4.94	53	239496	248.966	ug/l	99
16) Acetone	3.78	43	289941	252.524	ug/l	100
17) Carbon Disulfide	4.03	76	291733	47.324	ug/l	100
18) Methyl Acetate	4.28	43	104065	48.249	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	326554	47.478	ug/l	99
20) Methylene Chloride	4.52	84	107408	46.889	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	107720	48.317	ug/l	97
22) Diisopropyl ether	5.91	45	318108	48.218	ug/l	96
23) Vinyl Acetate	5.86	43	1369666	247.224	ug/l	100
24) 1,1-Dichloroethane	5.82	63	190327	47.623	ug/l	99
25) 2-Butanone	6.80	43	376919	261.019	ug/l	98
26) 2,2-Dichloropropane	6.79	77	182684	48.126	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	123335	47.270	ug/l	99
28) Bromochloromethane	7.17	49	76803	48.882	ug/l #	100
29) Tetrahydrofuran	7.18	42	213728	241.260	ug/l	99
30) Chloroform	7.35	83	198982	47.530	ug/l	100
31) Cyclohexane	7.63	56	173421	46.582	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	183533	47.973	ug/l	100
36) 1,1-Dichloropropene	7.77	75	152075	48.767	ug/l	99
37) Ethyl Acetate	6.89	43	138909	49.288	ug/l	100
38) Carbon Tetrachloride	7.75	117	163010	48.132	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	191739	49.532	ug/l	99
40) Benzene	8.02	78	442261	47.810	ug/l	100
41) Methacrylonitrile	7.15	41	67584m	57.181	ug/l	
42) 1,2-Dichloroethane	8.10	62	158329	48.835	ug/l	100
43) Isopropyl Acetate	8.14	43	238769	49.561	ug/l	100
44) Trichloroethene	8.82	130	123669	48.282	ug/l	98
45) 1,2-Dichloropropane	9.10	63	114037	49.794	ug/l	98
46) Dibromomethane	9.19	93	79397	49.059	ug/l	98
47) Bromodichloromethane	9.38	83	162628	49.426	ug/l	98
48) Methyl methacrylate	9.18	41	107133	49.563	ug/l	100
49) 1,4-Dioxane	9.18	88	39958	1081.931	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	700779	251.303	ug/l	100
52) Toluene	10.14	92	291722	49.178	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	188255	50.688	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	195068	49.878	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	112594	48.653	ug/l	99
56) Ethyl methacrylate	10.42	69	171255	52.312	ug/l	100
57) 1,3-Dichloropropane	10.70	76	185264	48.516	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	323067	211.828	ug/l	100
59) 2-Hexanone	10.74	43	572357	265.706	ug/l	100
60) Dibromochloromethane	10.89	129	132007	49.708	ug/l	98
61) 1,2-Dibromoethane	10.99	107	120917	49.843	ug/l	100
64) Tetrachloroethene	10.62	164	111416	46.147	ug/l	99
65) Chlorobenzene	11.43	112	316370	48.893	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	120865	49.376	ug/l	100
67) Ethyl Benzene	11.50	91	576812	49.426	ug/l	100
68) m/p-Xylenes	11.62	106	438671	100.152	ug/l	99
69) o-Xylene	11.94	106	207741	49.259	ug/l	99
70) Styrene	11.96	104	348155	51.194	ug/l	100
71) Bromoform	12.12	173	100780	51.188	ug/l #	98
73) Isopropylbenzene	12.24	105	576849	47.038	ug/l	99
74) N-amyl acetate	12.06	43	222844	50.393	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	168507	47.738	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	150527m	47.909	ug/l	
77) Bromobenzene	12.52	156	143769	47.240	ug/l	100
78) n-propylbenzene	12.59	91	666221	47.682	ug/l	99
79) 2-Chlorotoluene	12.67	91	384484	46.818	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	483503	47.419	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	63723	49.659	ug/l	100
82) 4-Chlorotoluene	12.77	91	405247	48.097	ug/l	100
83) tert-Butylbenzene	12.99	119	417040	46.235	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	484640	48.150	ug/l	99
85) sec-Butylbenzene	13.17	105	567154	47.478	ug/l	100
86) p-Isopropyltoluene	13.28	119	525443	48.548	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	264588	49.114	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	261203	48.496	ug/l	99
89) n-Butylbenzene	13.61	91	479420	50.361	ug/l	100
90) Hexachloroethane	13.87	117	95751	47.355	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	251199	47.647	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35583	47.370	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	164202	53.007	ug/l	99
94) Hexachlorobutadiene	15.01	225	87262	48.118	ug/l	100
95) Naphthalene	15.13	128	424855	50.772	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	152616	49.472	ug/l	100

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

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