

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040319\
 Data File : VN054934.D
 Acq On : 3 Apr 2019 19:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/4/2019 9:30:45 AM

Quant Time: Apr 04 03:27:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	405536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	668213	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	587378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270715	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	284364	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
35) Dibromofluoromethane	7.59	113	229304	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
50) Toluene-d8	10.09	98	849406	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.40	95	291495	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	187063	45.603	ug/l	99
3) Chloromethane	2.06	50	262581	46.296	ug/l	99
4) Vinyl Chloride	2.19	62	235473	46.231	ug/l	98
5) Bromomethane	2.57	94	133280	49.906	ug/l	97
6) Chloroethane	2.71	64	137086	48.200	ug/l	97
7) Trichlorofluoromethane	3.02	101	312105	49.842	ug/l	99
8) Diethyl Ether	3.41	74	105984	52.562	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	166210	50.421	ug/l	94
10) Methyl Iodide	3.95	142	231154	51.223	ug/l #	88
11) Tert butyl alcohol	4.82	59	76187	267.485	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	158322	49.666	ug/l #	75
13) Acrolein	3.61	56	60271	236.700	ug/l	99
14) Allyl chloride	4.32	41	394720	50.271	ug/l #	91
15) Acrylonitrile	5.00	53	439276	277.469	ug/l	100
16) Acetone	3.82	43	340778	261.408	ug/l #	81
17) Carbon Disulfide	4.04	76	439449	42.503	ug/l	99
18) Methyl Acetate	4.33	43	201241	59.441	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	597209	53.558	ug/l	94
20) Methylene Chloride	4.55	84	231500	50.343	ug/l #	86
21) trans-1,2-Dichloroethene	5.04	96	205580	49.099	ug/l	86
22) Diisopropyl ether	5.96	45	843454	54.312	ug/l #	93
23) Vinyl Acetate	5.90	43	3016691	279.138	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	434880	52.496	ug/l	97
25) 2-Butanone	6.85	43	556638	288.862	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	308495	53.132	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	249129	52.670	ug/l	87
28) Bromochloromethane	7.19	49	220919	53.332	ug/l #	71
29) Tetrahydrofuran	7.22	42	362580	270.906	ug/l #	83
30) Chloroform	7.37	83	425302	53.841	ug/l	96
31) Cyclohexane	7.65	56	390602	51.822	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	346513	52.933	ug/l	95
36) 1,1-Dichloropropene	7.79	75	310340	49.842	ug/l	95
37) Ethyl Acetate	6.94	43	243463	53.321	ug/l #	94
38) Carbon Tetrachloride	7.77	117	300121	49.627	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	341279	49.856	ug/l #	88
40) Benzene	8.04	78	926143	51.983	ug/l	100
41) Methacrylonitrile	7.18	41	146935	57.285	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	332000	52.189	ug/l	96
43) Isopropyl Acetate	8.17	43	415771	56.040	ug/l #	94
44) Trichloroethene	8.84	130	239138	51.707	ug/l	93
45) 1,2-Dichloropropane	9.12	63	266550	52.469	ug/l	100
46) Dibromomethane	9.21	93	151960	53.174	ug/l	88
47) Bromodichloromethane	9.40	83	322126	54.236	ug/l	97
48) Methyl methacrylate	9.20	41	209699	52.142	ug/l	89
49) 1,4-Dioxane	9.20	88	43578	1092.057	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1185679	284.252	ug/l	93
52) Toluene	10.16	92	560661	52.886	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	311292	55.718	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	374512	56.116	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	208248	52.828	ug/l	98
56) Ethyl methacrylate	10.43	69	290037	56.088	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	367066	54.162	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	581500	260.598	ug/l #	88
59) 2-Hexanone	10.75	43	747542	279.952	ug/l	90
60) Dibromochloromethane	10.90	129	222104	55.621	ug/l	99
61) 1,2-Dibromoethane	11.01	107	202196	53.673	ug/l	100
64) Tetrachloroethene	10.63	164	221321	49.102	ug/l	97
65) Chlorobenzene	11.43	112	592139	51.489	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	228997	53.199	ug/l	99
67) Ethyl Benzene	11.51	91	1066785	51.405	ug/l	97
68) m/p-Xylenes	11.62	106	788086	102.618	ug/l	94
69) o-Xylene	11.95	106	385785	51.228	ug/l	94
70) Styrene	11.96	104	658613	54.697	ug/l	97
71) Bromoform	12.13	173	138375	54.873	ug/l #	98
73) Isopropylbenzene	12.25	105	1033799	46.721	ug/l	97
74) N-amyl acetate	12.07	43	341776	49.579	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	262303	53.908	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	236683m	50.327	ug/l	
77) Bromobenzene	12.53	156	254097	47.581	ug/l	86
78) n-propylbenzene	12.59	91	1169565	48.090	ug/l	96
79) 2-Chlorotoluene	12.67	91	705731	46.905	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	863309	47.549	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	60701	50.205	ug/l #	85
82) 4-Chlorotoluene	12.77	91	701105	47.974	ug/l	95
83) tert-Butylbenzene	12.99	119	735226	52.362	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	857906	49.598	ug/l	97
85) sec-Butylbenzene	13.17	105	948305	48.081	ug/l	97
86) p-Isopropyltoluene	13.29	119	838967	48.229	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	435384	48.695	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	428138	48.823	ug/l	99
89) n-Butylbenzene	13.61	91	702059	49.466	ug/l	96
90) Hexachloroethane	13.87	117	142378	48.206	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	432779	47.962	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37735	49.885	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	215765	49.598	ug/l	99
94) Hexachlorobutadiene	15.01	225	133740	51.995	ug/l	99
95) Naphthalene	15.13	128	468426	48.010	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	212242	48.309	ug/l	98

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

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