

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054569.D
 Acq On : 22 Mar 2019 20:22
 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
 3/25/2019 3:11:51 PM

Quant Time: Mar 23 04:14:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	457431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	746841	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	637885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	273202	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	314143	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
35) Dibromofluoromethane	7.59	113	246177	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.09	98	896942	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.40	95	302717	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	220773	50.486	ug/l	98
3) Chloromethane	2.06	50	298710	50.206	ug/l	98
4) Vinyl Chloride	2.19	62	292721	49.003	ug/l	100
5) Bromomethane	2.57	94	165849	42.937	ug/l	94
6) Chloroethane	2.71	64	163905	45.746	ug/l	99
7) Trichlorofluoromethane	3.02	101	363635	50.127	ug/l	97
8) Diethyl Ether	3.41	74	126643	45.392	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.75	101	188587	44.234	ug/l	95
10) Methyl Iodide	3.94	142	284879	45.425	ug/l #	90
11) Tert butyl alcohol	4.82	59	88406	256.645	ug/l	100
12) 1,1-Dichloroethene	3.73	96	191949	43.505	ug/l #	77
13) Acrolein	3.61	56	120977	254.491	ug/l	100
14) Allyl chloride	4.32	41	442930	53.312	ug/l #	92
15) Acrylonitrile	5.00	53	487435	284.149	ug/l	100
16) Acetone	3.82	43	358859	209.784	ug/l #	82
17) Carbon Disulfide	4.04	76	542378	45.880	ug/l	99
18) Methyl Acetate	4.33	43	215235	56.451	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	680811	52.873	ug/l	94
20) Methylene Chloride	4.54	84	255422	50.653	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	237072	52.621	ug/l	88
22) Diisopropyl ether	5.96	45	919104	56.084	ug/l #	95
23) Vinyl Acetate	5.90	43	3347365	289.209	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	483580	54.804	ug/l	97
25) 2-Butanone	6.85	43	607815	277.377	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	310891	49.426	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	274994	51.174	ug/l	87
28) Bromochloromethane	7.20	49	238613	54.939	ug/l #	73
29) Tetrahydrofuran	7.22	42	415656	292.302	ug/l #	84
30) Chloroform	7.37	83	468622	54.420	ug/l	100
31) Cyclohexane	7.65	56	437496	51.811	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	389871	54.878	ug/l	95
36) 1,1-Dichloropropene	7.79	75	345754	49.514	ug/l	96
37) Ethyl Acetate	6.94	43	279194	56.215	ug/l	96
38) Carbon Tetrachloride	7.77	117	334291	49.262	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	368805	46.171	ug/l	90
40) Benzene	8.04	78	1031364	51.650	ug/l	98
41) Methacrylonitrile	7.18	41	162574	53.675	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	375274	51.605	ug/l	97
43) Isopropyl Acetate	8.17	43	466967	55.672	ug/l #	93
44) Trichloroethene	8.83	130	266433	47.992	ug/l	93
45) 1,2-Dichloropropane	9.12	63	292219	54.499	ug/l	98
46) Dibromomethane	9.21	93	167702	52.427	ug/l	89
47) Bromodichloromethane	9.40	83	355181	53.502	ug/l	96
48) Methyl methacrylate	9.20	41	243883	53.570	ug/l	87
49) 1,4-Dioxane	9.20	88	49884	980.127	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	1309740	281.751	ug/l	93
52) Toluene	10.16	92	614722	50.053	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	332805	47.634	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	405842	53.317	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	229829	52.060	ug/l	96
56) Ethyl methacrylate	10.43	69	314410	53.061	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	406889	53.020	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	613867	251.588	ug/l	90
59) 2-Hexanone	10.75	43	809343	266.548	ug/l	92
60) Dibromochloromethane	10.90	129	251184	53.470	ug/l	98
61) 1,2-Dibromoethane	11.01	107	226746	51.952	ug/l	97
64) Tetrachloroethene	10.63	164	256419	48.463	ug/l	96
65) Chlorobenzene	11.43	112	644255	49.658	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	249029	53.477	ug/l	99
67) Ethyl Benzene	11.51	91	1147252	50.060	ug/l	98
68) m/p-Xylenes	11.62	106	847805	97.667	ug/l	95
69) o-Xylene	11.95	106	419191	49.448	ug/l	97
70) Styrene	11.96	104	689807	50.107	ug/l	97
71) Bromoform	12.13	173	149814	46.813	ug/l #	99
73) Isopropylbenzene	12.25	105	1093487	49.670	ug/l	98
74) N-amyl acetate	12.07	43	359370	56.771	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	276822	55.083	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	219224m	50.567	ug/l	
77) Bromobenzene	12.53	156	272125	49.839	ug/l	86
78) n-propylbenzene	12.59	91	1191771	49.923	ug/l	97
79) 2-Chlorotoluene	12.68	91	733000	49.239	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	885720	49.089	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	59782	47.694	ug/l #	80
82) 4-Chlorotoluene	12.77	91	726843	50.371	ug/l	95
83) tert-Butylbenzene	12.99	119	773562	49.253	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	872236	49.266	ug/l	98
85) sec-Butylbenzene	13.17	105	938655	47.943	ug/l	98
86) p-Isopropyltoluene	13.29	119	846336	48.318	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	447150	49.419	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	426582	48.456	ug/l	98
89) n-Butylbenzene	13.62	91	665617	48.598	ug/l	98
90) Hexachloroethane	13.88	117	140208	51.568	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	441161	50.338	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40939	55.539	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	212802	48.708	ug/l	100
94) Hexachlorobutadiene	15.01	225	121512	49.477	ug/l	97
95) Naphthalene	15.13	128	503887	51.707	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	218176	50.175	ug/l	99

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

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