

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011420\
 Data File : VN059707.D
 Acq On : 14 Jan 2020 16:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 10:55:20 AM

Quant Time: Jan 14 23:09:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	296124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	270468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133785	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	102498	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
35) Dibromofluoromethane	7.56	113	89274	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.08	98	339223	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	123186	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	114461	50.432	ug/l	97
3) Chloromethane	2.04	50	107931	48.968	ug/l	97
4) Vinyl Chloride	2.17	62	130957	51.928	ug/l	98
5) Bromomethane	2.54	94	80412	52.248	ug/l	99
6) Chloroethane	2.68	64	60409	50.631	ug/l	98
7) Trichlorofluoromethane	3.00	101	155542	51.357	ug/l	98
8) Diethyl Ether	3.38	74	53752	50.572	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88971	52.782	ug/l	92
10) Methyl Iodide	3.93	142	136006	49.917	ug/l	94
11) Tert butyl alcohol	4.72	59	77404	215.059	ug/l	100
12) 1,1-Dichloroethene	3.71	96	87954	49.935	ug/l	89
13) Acrolein	3.57	56	49660	194.913	ug/l	96
14) Allyl chloride	4.29	41	119687	50.413	ug/l #	86
15) Acrylonitrile	4.94	53	193798	236.049	ug/l	100
16) Acetone	3.78	43	167559	228.938	ug/l	95
17) Carbon Disulfide	4.03	76	247064	49.240	ug/l	99
18) Methyl Acetate	4.28	43	115102	46.090	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	286595	49.905	ug/l	95
20) Methylene Chloride	4.52	84	95775	49.501	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	93504	49.941	ug/l	87
22) Diisopropyl ether	5.91	45	267828	49.780	ug/l #	96
23) Vinyl Acetate	5.85	43	1055211	253.318	ug/l #	95
24) 1,1-Dichloroethane	5.81	63	164300	49.978	ug/l	97
25) 2-Butanone	6.79	43	258488	213.497	ug/l	91
26) 2,2-Dichloropropane	6.79	77	154830	48.990	ug/l	94
27) cis-1,2-Dichloroethene	6.80	96	108519	50.392	ug/l	89
28) Bromochloromethane	7.16	49	62554	47.608	ug/l #	73
29) Tetrahydrofuran	7.17	42	167451	223.535	ug/l	89
30) Chloroform	7.34	83	173721	51.002	ug/l	100
31) Cyclohexane	7.63	56	149730	47.333	ug/l	88
32) 1,1,1-Trichloroethane	7.54	97	158780	50.416	ug/l	95
36) 1,1-Dichloropropene	7.77	75	130620	50.652	ug/l	95
37) Ethyl Acetate	6.89	43	111463	46.085	ug/l	97
38) Carbon Tetrachloride	7.75	117	144485	51.507	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	162277	51.036	ug/l	92
40) Benzene	8.02	78	385681	50.149	ug/l	100
41) Methacrylonitrile	7.15	41	52566m	44.124	ug/l	
42) 1,2-Dichloroethane	8.10	62	130462	50.032	ug/l	96
43) Isopropyl Acetate	8.14	43	193760	46.575	ug/l #	94
44) Trichloroethene	8.81	130	110512	52.637	ug/l	93
45) 1,2-Dichloropropane	9.10	63	97969	51.479	ug/l	99
46) Dibromomethane	9.19	93	68881	51.310	ug/l	90
47) Bromodichloromethane	9.38	83	140324	51.871	ug/l	99
48) Methyl methacrylate	9.18	41	88413	47.513	ug/l	90
49) 1,4-Dioxane	9.18	88	32604	957.106	ug/l #	90
51) 4-Methyl-2-Pentanone	9.97	43	546269	227.151	ug/l	95
52) Toluene	10.14	92	249250	51.309	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	156951	51.959	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	168384	52.979	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	95754	49.768	ug/l	97
56) Ethyl methacrylate	10.42	69	147152	50.054	ug/l	91
57) 1,3-Dichloropropane	10.70	76	158351	51.841	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	249714	282.004	ug/l	92
59) 2-Hexanone	10.74	43	399807	225.666	ug/l	94
60) Dibromochloromethane	10.89	129	113646	51.870	ug/l	99
61) 1,2-Dibromoethane	10.99	107	103536	51.343	ug/l	99
64) Tetrachloroethene	10.62	164	96573	43.810	ug/l	95
65) Chlorobenzene	11.43	112	273588	51.463	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	105208	51.217	ug/l	99
67) Ethyl Benzene	11.50	91	490538	50.830	ug/l	97
68) m/p-Xylenes	11.61	106	376359	103.242	ug/l	94
69) o-Xylene	11.94	106	181096	50.743	ug/l	94
70) Styrene	11.96	104	308360	51.635	ug/l	97
71) Bromoform	12.12	173	85748	52.114	ug/l #	99
73) Isopropylbenzene	12.25	105	489238	49.863	ug/l	99
74) N-amyl acetate	12.06	43	176893	46.462	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	135415	47.607	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	128708m	57.166	ug/l	
77) Bromobenzene	12.52	156	124214	49.991	ug/l	81
78) n-propylbenzene	12.59	91	558618	50.725	ug/l	97
79) 2-Chlorotoluene	12.67	91	322696	49.256	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	412815	50.028	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	49658	47.365	ug/l	92
82) 4-Chlorotoluene	12.77	91	333468	50.747	ug/l	96
83) tert-Butylbenzene	12.99	119	355852	49.862	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	413045	50.597	ug/l	99
85) sec-Butylbenzene	13.17	105	478973	51.082	ug/l	99
86) p-Isopropyltoluene	13.28	119	439606	50.669	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	223421	51.765	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	219722	51.030	ug/l	97
89) n-Butylbenzene	13.61	91	386937	52.306	ug/l	98
90) Hexachloroethane	13.87	117	81726	50.346	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	216370	50.709	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28241	46.094	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	137074	53.463	ug/l	99
94) Hexachlorobutadiene	15.01	225	71157	50.363	ug/l	99
95) Naphthalene	15.13	128	363353	49.824	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128312	51.415	ug/l	100

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

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