

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011420\
 Data File : VN059698.D
 Acq On : 14 Jan 2020 10:56
 Operator : JC/MD
 Sample : VN0114WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

Manual Integrations
 APPROVED

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

Quant Time: Jan 14 22:51:43 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	204430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317174	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	283827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134446	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	122670	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
35) Dibromofluoromethane	7.57	113	105130	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	
50) Toluene-d8	10.08	98	403587	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
62) 4-Bromofluorobenzene	12.40	95	140600	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	51369	21.010	ug/l	100
3) Chloromethane	2.04	50	48503	20.724	ug/l	99
4) Vinyl Chloride	2.17	62	60574	22.620	ug/l	99
5) Bromomethane	2.54	94	36048	22.058	ug/l	98
6) Chloroethane	2.68	64	26944	21.267	ug/l	97
7) Trichlorofluoromethane	3.00	101	68258	21.225	ug/l	97
8) Diethyl Ether	3.38	74	24112	21.364	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	38670	21.604	ug/l	93
10) Methyl Iodide	3.93	142	58776	20.315	ug/l	95
11) Tert butyl alcohol	4.72	59	41077	107.480	ug/l	98
12) 1,1-Dichloroethene	3.72	96	38978	20.840	ug/l	87
13) Acrolein	3.58	56	24887	91.990	ug/l	97
14) Allyl chloride	4.29	41	53070	21.051	ug/l #	83
15) Acrylonitrile	4.94	53	92154	105.706	ug/l	100
16) Acetone	3.78	43	84524	103.285	ug/l	97
17) Carbon Disulfide	4.03	76	108871	20.434	ug/l	100
18) Methyl Acetate	4.29	43	56808	21.422	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	129039	21.161	ug/l	96
20) Methylene Chloride	4.52	84	43269	20.297	ug/l #	87
21) trans-1,2-Dichloroethene	5.01	96	41205	20.726	ug/l	89
22) Diisopropyl ether	5.92	45	119756	20.962	ug/l #	93
23) Vinyl Acetate	5.86	43	465463	105.231	ug/l #	95
24) 1,1-Dichloroethane	5.82	63	73347	21.012	ug/l	98
25) 2-Butanone	6.80	43	132066	102.725	ug/l	93
26) 2,2-Dichloropropane	6.79	77	70233	20.928	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	48209	21.082	ug/l	88
28) Bromochloromethane	7.17	49	30905	22.151	ug/l #	76
29) Tetrahydrofuran	7.18	42	83434	104.890	ug/l	89
30) Chloroform	7.35	83	76208	21.070	ug/l	100
31) Cyclohexane	7.63	56	68412	20.367	ug/l	92
32) 1,1,1-Trichloroethane	7.54	97	70240	21.004	ug/l	96
36) 1,1-Dichloropropene	7.77	75	56479	20.448	ug/l	95
37) Ethyl Acetate	6.90	43	52890	20.416	ug/l	96
38) Carbon Tetrachloride	7.75	117	61922	20.609	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	70237	20.623	ug/l	93
40) Benzene	8.02	78	170728	20.726	ug/l	99
41) Methacrylonitrile	7.15	41	23684m	18.561	ug/l	
42) 1,2-Dichloroethane	8.10	62	58835	21.066	ug/l	95
43) Isopropyl Acetate	8.14	43	92496	20.758	ug/l	97
44) Trichloroethene	8.82	130	48058	21.371	ug/l	90
45) 1,2-Dichloropropane	9.10	63	43126	21.157	ug/l	99
46) Dibromomethane	9.19	93	30700	21.351	ug/l	91
47) Bromodichloromethane	9.39	83	61206	21.123	ug/l	98
48) Methyl methacrylate	9.18	41	41246	20.694	ug/l	91
49) 1,4-Dioxane	9.18	88	16544	453.425	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	270117	104.866	ug/l	96
52) Toluene	10.14	92	109782	21.099	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	66793	20.645	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	72414	21.272	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	42953	20.843	ug/l	98
56) Ethyl methacrylate	10.42	69	65840	20.909	ug/l	92
57) 1,3-Dichloropropane	10.70	76	70041	21.408	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	110863	116.890	ug/l	91
59) 2-Hexanone	10.74	43	201331	106.097	ug/l	94
60) Dibromochloromethane	10.89	129	49225	20.976	ug/l	98
61) 1,2-Dibromoethane	10.99	107	45936	21.267	ug/l	98
64) Tetrachloroethene	10.62	164	45259	19.565	ug/l	94
65) Chlorobenzene	11.43	112	117165	21.002	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	45472	21.095	ug/l	99
67) Ethyl Benzene	11.50	91	211378	20.872	ug/l	98
68) m/p-Xylenes	11.61	106	160274	41.897	ug/l	94
69) o-Xylene	11.94	106	78034	20.836	ug/l	95
70) Styrene	11.96	104	129983	20.741	ug/l	97
71) Bromoform	12.12	173	36256	20.998	ug/l #	100
73) Isopropylbenzene	12.24	105	210012	21.299	ug/l	99
74) N-amyl acetate	12.06	43	79076	20.668	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	61532	21.526	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	58503m	25.857	ug/l	
77) Bromobenzene	12.52	156	52918	21.193	ug/l	82
78) n-propylbenzene	12.59	91	231220	20.893	ug/l	98
79) 2-Chlorotoluene	12.67	91	136380	20.714	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	177566	21.413	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	21623	20.523	ug/l	92
82) 4-Chlorotoluene	12.77	91	138730	21.008	ug/l	96
83) tert-Butylbenzene	12.99	119	153187	21.359	ug/l	95
84) 1,2,4-Trimethylbenzene	13.03	105	173440	21.141	ug/l	98
85) sec-Butylbenzene	13.17	105	196904	20.897	ug/l	99
86) p-Isopropyltoluene	13.28	119	182571	20.940	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	90453	20.854	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	91564	21.161	ug/l	97
89) n-Butylbenzene	13.61	91	155306	20.891	ug/l	98
90) Hexachloroethane	13.87	117	33185	20.343	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	90634	21.137	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	13881	21.431	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	55019	21.354	ug/l	99
94) Hexachlorobutadiene	15.01	225	29949	21.093	ug/l	97
95) Naphthalene	15.13	128	151655	20.693	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	52321	20.862	ug/l	99

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

