

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012220\
 Data File : VN059824.D
 Acq On : 22 Jan 2020 11:56
 Operator : JC/MD
 Sample : VN0122WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 10:14:35 AM

Quant Time: Jan 22 17:40:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	214596	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	330665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	297788	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	119612	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
35) Dibromofluoromethane	7.56	113	101954	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
50) Toluene-d8	10.08	98	386180	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.40	95	136906	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	49049	19.063	ug/l	99
3) Chloromethane	2.04	50	45217	18.404	ug/l	100
4) Vinyl Chloride	2.17	62	56325	20.037	ug/l	98
5) Bromomethane	2.54	94	34979	20.390	ug/l	97
6) Chloroethane	2.68	64	25820	19.415	ug/l	98
7) Trichlorofluoromethane	3.00	101	68074	20.165	ug/l	98
8) Diethyl Ether	3.39	74	23880	20.156	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.74	101	39626	21.090	ug/l	93
10) Methyl Iodide	3.93	142	57947	19.080	ug/l	94
11) Tert butyl alcohol	4.73	59	37823	94.277	ug/l	99
12) 1,1-Dichloroethene	3.72	96	37980	19.345	ug/l	87
13) Acrolein	3.58	56	23109	81.372	ug/l	97
14) Allyl chloride	4.29	41	49337	18.644	ug/l #	82
15) Acrylonitrile	4.94	53	87431	95.538	ug/l	99
16) Acetone	3.78	43	95702	112.223	ug/l	95
17) Carbon Disulfide	4.03	76	100533	17.975	ug/l	100
18) Methyl Acetate	4.29	43	52859	18.989	ug/l #	89
19) Methyl tert-butyl Ether	5.00	73	128398	20.058	ug/l	93
20) Methylene Chloride	4.53	84	41764	18.556	ug/l #	85
21) trans-1,2-Dichloroethene	5.01	96	41291	19.785	ug/l	85
22) Diisopropyl ether	5.91	45	116698	19.459	ug/l #	90
23) Vinyl Acetate	5.86	43	449290	96.763	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	71721	19.573	ug/l	99
25) 2-Butanone	6.80	43	122151	90.512	ug/l #	90
26) 2,2-Dichloropropane	6.79	77	68864	19.548	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	48187	20.075	ug/l	89
28) Bromochloromethane	7.17	49	30147	20.584	ug/l #	72
29) Tetrahydrofuran	7.18	42	75714	90.676	ug/l #	86
30) Chloroform	7.35	83	76355	20.111	ug/l	99
31) Cyclohexane	7.63	56	64123	18.186	ug/l	86
32) 1,1,1-Trichloroethane	7.55	97	70639	20.122	ug/l	95
36) 1,1-Dichloropropene	7.77	75	55625	19.317	ug/l	95
37) Ethyl Acetate	6.90	43	47613	17.629	ug/l	94
38) Carbon Tetrachloride	7.75	117	63088	20.141	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	69143	19.474	ug/l	90
40) Benzene	8.02	78	167559	19.511	ug/l	100
41) Methacrylonitrile	7.14	41	19809m	14.891	ug/l	
42) 1,2-Dichloroethane	8.10	62	59174	20.323	ug/l	97
43) Isopropyl Acetate	8.14	43	85725	18.454	ug/l #	94
44) Trichloroethene	8.82	130	49272	21.017	ug/l	94
45) 1,2-Dichloropropane	9.10	63	41844	19.691	ug/l	98
46) Dibromomethane	9.19	93	30046	20.043	ug/l	92
47) Bromodichloromethane	9.39	83	60875	20.152	ug/l	99
48) Methyl methacrylate	9.18	41	37093	17.851	ug/l	87
49) 1,4-Dioxane	9.18	88	15772	414.630	ug/l	88
51) 4-Methyl-2-Pentanone	9.97	43	249190	92.795	ug/l	96
52) Toluene	10.14	92	107195	19.761	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	66603	19.746	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	72177	20.337	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	42909	19.972	ug/l	98
56) Ethyl methacrylate	10.42	69	61432	18.713	ug/l	92
57) 1,3-Dichloropropane	10.70	76	68684	20.137	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	105942	107.144	ug/l	91
59) 2-Hexanone	10.74	43	183445	92.727	ug/l	93
60) Dibromochloromethane	10.89	129	49454	20.214	ug/l	100
61) 1,2-Dibromoethane	10.99	107	45129	20.041	ug/l	100
64) Tetrachloroethene	10.62	164	49889	20.556	ug/l	96
65) Chlorobenzene	11.43	112	118797	20.296	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	46671	20.636	ug/l	99
67) Ethyl Benzene	11.50	91	208651	19.637	ug/l	97
68) m/p-Xylenes	11.62	106	159356	39.704	ug/l	95
69) o-Xylene	11.94	106	78008	19.853	ug/l	93
70) Styrene	11.96	104	125053	19.019	ug/l	97
71) Bromoform	12.12	173	36018	19.882	ug/l #	97
73) Isopropylbenzene	12.24	105	209207	20.400	ug/l	99
74) N-amyl acetate	12.06	43	71160	17.882	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	58177	19.568	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	53924m	22.914	ug/l	
77) Bromobenzene	12.52	156	53397	20.560	ug/l	81
78) n-propylbenzene	12.59	91	230773	20.048	ug/l	97
79) 2-Chlorotoluene	12.67	91	136125	19.879	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	174449	20.226	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20264	18.492	ug/l	93
82) 4-Chlorotoluene	12.77	91	138323	20.139	ug/l	94
83) tert-Butylbenzene	12.99	119	150348	20.155	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	174655	20.469	ug/l	99
85) sec-Butylbenzene	13.17	105	200087	20.416	ug/l	99
86) p-Isopropyltoluene	13.28	119	183411	20.225	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	92336	20.468	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	91368	20.302	ug/l	97
89) n-Butylbenzene	13.61	91	151141	19.547	ug/l	98
90) Hexachloroethane	13.87	117	33159	19.543	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	92072	20.644	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12455	18.189	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52704	19.667	ug/l	99
94) Hexachlorobutadiene	15.01	225	30900	20.924	ug/l	98
95) Naphthalene	15.13	128	137528	18.042	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51549	19.762	ug/l	98

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

