

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031220\
 Data File : VN060468.D
 Acq On : 12 Mar 2020 11:01
 Operator : JC/MD
 Sample : VN0312WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 11:49:39 AM

Quant Time: Mar 13 02:22:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	181918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	297243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	276462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130076	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	116755	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
35) Dibromofluoromethane	7.56	113	87406	63.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.70%	
50) Toluene-d8	10.08	98	332331	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	12.40	95	125725	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	25571	15.331	ug/l 99
3) Chloromethane	2.04	50	47608	16.395	ug/l 98
4) Vinyl Chloride	2.16	62	38315	15.385	ug/l 99
5) Bromomethane	2.55	94	17127	15.423	ug/l 98
6) Chloroethane	2.68	64	22529	16.696	ug/l 100
7) Trichlorofluoromethane	3.00	101	52803	16.595	ug/l 100
8) Diethyl Ether	3.38	74	22406	18.651	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	31942	17.738	ug/l 98
10) Methyl Iodide	3.92	142	23205	14.120	ug/l 100
11) Tert butyl alcohol	4.72	59	33973	98.025	ug/l 99
12) 1,1-Dichloroethene	3.71	96	30128	17.188	ug/l 93
13) Acrolein	3.57	56	33510	103.643	ug/l 100
14) Allyl chloride	4.29	41	60041	18.632	ug/l 99
15) Acrylonitrile	4.94	53	94214	103.135	ug/l 99
16) Acetone	3.78	43	78218	103.774	ug/l 99
17) Carbon Disulfide	4.03	76	72113	15.056	ug/l 99
18) Methyl Acetate	4.29	43	49823	19.808	ug/l 95
19) Methyl tert-butyl Ether	5.00	73	122891	19.367	ug/l 100
20) Methylene Chloride	4.52	84	37243	17.992	ug/l 97
21) trans-1,2-Dichloroethene	5.01	96	33191	17.398	ug/l 96
22) Diisopropyl ether	5.91	45	132294	20.268	ug/l 98
23) Vinyl Acetate	5.86	43	517034	99.682	ug/l 99
24) 1,1-Dichloroethane	5.82	63	71040	19.227	ug/l 99
25) 2-Butanone	6.80	43	125293	102.914	ug/l 99
26) 2,2-Dichloropropane	6.79	77	61286	18.219	ug/l 100
27) cis-1,2-Dichloroethene	6.80	96	41682	17.366	ug/l 98
28) Bromochloromethane	7.17	49	31078	20.486	ug/l 95
29) Tetrahydrofuran	7.18	42	85127	100.553	ug/l 98
30) Chloroform	7.34	83	70275	19.106	ug/l 99
31) Cyclohexane	7.63	56	59934	18.154	ug/l 96
32) 1,1,1-Trichloroethane	7.54	97	58967	18.094	ug/l 99
36) 1,1-Dichloropropene	7.77	75	48532	17.132	ug/l 98
37) Ethyl Acetate	6.89	43	54307	20.246	ug/l 99
38) Carbon Tetrachloride	7.75	117	46918	17.011	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	54650	16.362	ug/l	97
40) Benzene	8.02	78	151135	18.330	ug/l	99
41) Methacrylonitrile	7.14	41	21877m	17.663	ug/l	
42) 1,2-Dichloroethane	8.10	62	56863	19.111	ug/l	99
43) Isopropyl Acetate	8.14	43	94641	20.154	ug/l	99
44) Trichloroethene	8.81	130	40592	17.677	ug/l	99
45) 1,2-Dichloropropane	9.10	63	43747	20.293	ug/l	98
46) Dibromomethane	9.19	93	26132	18.682	ug/l	99
47) Bromodichloromethane	9.38	83	54694	19.225	ug/l	97
48) Methyl methacrylate	9.18	41	39916	18.640	ug/l	99
49) 1,4-Dioxane	9.18	88	11737	389.751	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	272846	102.476	ug/l	99
52) Toluene	10.14	92	94706	18.285	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	64477	18.496	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	68068	18.844	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	39838	19.127	ug/l	99
56) Ethyl methacrylate	10.42	69	56654	18.933	ug/l	96
57) 1,3-Dichloropropane	10.70	76	67138	19.766	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	157816	100.840	ug/l	98
59) 2-Hexanone	10.74	43	192591	98.518	ug/l	99
60) Dibromochloromethane	10.89	129	41076	19.392	ug/l	99
61) 1,2-Dibromoethane	10.99	107	38602	19.012	ug/l	98
64) Tetrachloroethene	10.62	164	39781	17.352	ug/l	98
65) Chlorobenzene	11.43	112	99212	17.772	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	38151	18.483	ug/l	97
67) Ethyl Benzene	11.50	91	182543	17.956	ug/l	99
68) m/p-Xylenes	11.61	106	134649	35.105	ug/l	100
69) o-Xylene	11.94	106	65489	17.905	ug/l	99
70) Styrene	11.96	104	105748	17.585	ug/l	99
71) Bromoform	12.12	173	28139	18.916	ug/l #	98
73) Isopropylbenzene	12.24	105	176048	18.260	ug/l	99
74) N-amyl acetate	12.06	43	79992	18.987	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	54417	20.764	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	53109m	18.609	ug/l	
77) Bromobenzene	12.52	156	42623	18.035	ug/l	96
78) n-propylbenzene	12.59	91	204971	18.137	ug/l	99
79) 2-Chlorotoluene	12.67	91	121409	18.276	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	147369	18.155	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20048	19.392	ug/l #	86
82) 4-Chlorotoluene	12.77	91	124233	17.750	ug/l	99
83) tert-Butylbenzene	12.99	119	125530	17.861	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	148651	18.143	ug/l	98
85) sec-Butylbenzene	13.17	105	167681	17.817	ug/l	99
86) p-Isopropyltoluene	13.28	119	151041	17.340	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	75998	18.596	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	75068	18.373	ug/l	98
89) n-Butylbenzene	13.61	91	135726	16.974	ug/l	99
90) Hexachloroethane	13.87	117	21079	16.718	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	74210	17.921	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10987	18.513	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	46030	17.551	ug/l	99
94) Hexachlorobutadiene	15.01	225	22655	18.368	ug/l	99
95) Naphthalene	15.13	128	133476	17.043	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	44374	17.789	ug/l	99

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

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