

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060517.D
 Acq On : 16 Mar 2020 12:58
 Operator : JC/MD
 Sample : VN0316WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 11:48:16 AM

Quant Time: Mar 17 09:11:46 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	199031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	328044	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	297895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138906	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	127365	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	7.56	113	95970	63.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.06%	
50) Toluene-d8	10.08	98	365559	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
62) 4-Bromofluorobenzene	12.40	95	138403	47.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	27510	15.076	ug/l	99
3) Chloromethane	2.04	50	48932	15.402	ug/l	97
4) Vinyl Chloride	2.16	62	40087	14.713	ug/l	97
5) Bromomethane	2.54	94	19069	15.740	ug/l	99
6) Chloroethane	2.69	64	25199	17.070	ug/l	91
7) Trichlorofluoromethane	3.00	101	58325	16.754	ug/l	99
8) Diethyl Ether	3.38	74	24856	18.911	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	35797	18.170	ug/l	99
10) Methyl Iodide	3.93	142	27122	15.084	ug/l	100
11) Tert butyl alcohol	4.72	59	37307	98.390	ug/l	100
12) 1,1-Dichloroethene	3.71	96	33623	17.534	ug/l	95
13) Acrolein	3.58	56	30534	86.318	ug/l	97
14) Allyl chloride	4.29	41	63079	17.892	ug/l	97
15) Acrylonitrile	4.94	53	104395	104.454	ug/l	99
16) Acetone	3.78	43	90491	109.735	ug/l	97
17) Carbon Disulfide	4.03	76	79836	15.244	ug/l	97
18) Methyl Acetate	4.28	43	55820	20.284	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	137233	19.767	ug/l	98
20) Methylene Chloride	4.52	84	42007	18.549	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	36863	17.668	ug/l	93
22) Diisopropyl ether	5.91	45	147844	20.702	ug/l	95
23) Vinyl Acetate	5.86	43	578738	101.984	ug/l	100
24) 1,1-Dichloroethane	5.81	63	77994	19.294	ug/l	99
25) 2-Butanone	6.80	43	140318	105.345	ug/l	97
26) 2,2-Dichloropropane	6.79	77	68490	18.610	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	47055	17.919	ug/l	99
28) Bromochloromethane	7.17	49	31985	19.271	ug/l	94
29) Tetrahydrofuran	7.18	42	94273	101.781	ug/l	97
30) Chloroform	7.35	83	77225	19.190	ug/l	99
31) Cyclohexane	7.63	56	66202	18.342	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	64735	18.156	ug/l	100
36) 1,1-Dichloropropene	7.77	75	54643	17.478	ug/l	99
37) Ethyl Acetate	6.89	43	59622	20.140	ug/l	99
38) Carbon Tetrachloride	7.75	117	50339	16.537	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	59995	16.276	ug/l	96
40) Benzene	8.02	78	169604	18.639	ug/l	99
41) Methacrylonitrile	7.14	41	27862m	20.383	ug/l	
42) 1,2-Dichloroethane	8.10	62	62969	19.176	ug/l	99
43) Isopropyl Acetate	8.14	43	103751	20.019	ug/l	99
44) Trichloroethene	8.82	130	44543	17.576	ug/l	98
45) 1,2-Dichloropropane	9.10	63	48439	20.360	ug/l	99
46) Dibromomethane	9.19	93	28645	18.556	ug/l	97
47) Bromodichloromethane	9.38	83	60606	19.303	ug/l	96
48) Methyl methacrylate	9.18	41	44175	18.692	ug/l	97
49) 1,4-Dioxane	9.18	88	12562	377.979	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	299363	101.879	ug/l	100
52) Toluene	10.14	92	102264	17.891	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	72128	18.748	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	75822	19.020	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	42685	18.569	ug/l	97
56) Ethyl methacrylate	10.42	69	64112	19.414	ug/l	97
57) 1,3-Dichloropropane	10.70	76	74401	19.847	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	157545	91.215	ug/l	98
59) 2-Hexanone	10.74	43	211819	98.180	ug/l	99
60) Dibromochloromethane	10.89	129	44893	19.204	ug/l	98
61) 1,2-Dibromoethane	10.99	107	41534	18.535	ug/l	100
64) Tetrachloroethene	10.62	164	42925	17.378	ug/l	97
65) Chlorobenzene	11.42	112	109104	18.138	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	41346	18.590	ug/l	98
67) Ethyl Benzene	11.50	91	198989	18.165	ug/l	98
68) m/p-Xylenes	11.61	106	146111	35.353	ug/l	99
69) o-Xylene	11.94	106	71993	18.267	ug/l	99
70) Styrene	11.96	104	114495	17.670	ug/l	99
71) Bromoform	12.12	173	30446	18.994	ug/l #	99
73) Isopropylbenzene	12.24	105	192362	18.684	ug/l	99
74) N-amyl acetate	12.06	43	87685	19.490	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	59764	21.355	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	54291m	17.814	ug/l	
77) Bromobenzene	12.52	156	46937	18.598	ug/l	97
78) n-propylbenzene	12.59	91	224142	18.573	ug/l	98
79) 2-Chlorotoluene	12.67	91	133735	18.852	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	162593	18.757	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	21555	19.524	ug/l #	86
82) 4-Chlorotoluene	12.77	91	136512	18.265	ug/l	98
83) tert-Butylbenzene	12.99	119	136789	18.226	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	161942	18.509	ug/l	99
85) sec-Butylbenzene	13.17	105	182692	18.178	ug/l	100
86) p-Isopropyltoluene	13.28	119	163528	17.580	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	82636	18.938	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	82867	19.005	ug/l	99
89) n-Butylbenzene	13.61	91	150055	17.573	ug/l	100
90) Hexachloroethane	13.87	117	23375	17.361	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	81919	18.525	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11922	18.812	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	49076	17.523	ug/l	99
94) Hexachlorobutadiene	15.01	225	25035	19.028	ug/l	98
95) Naphthalene	15.13	128	140521	16.798	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47651	17.890	ug/l	99

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

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