

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060607.D
 Acq On : 18 Mar 2020 22:05
 Operator : JC/MD
 Sample : VN0318WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318WBS02

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:59:52 PM

Quant Time: Mar 19 08:19:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	197580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	339040	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	307774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140972	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	135412	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	7.57	113	101207	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
50) Toluene-d8	10.08	98	400583	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
62) 4-Bromofluorobenzene	12.40	95	143542	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	39910	20.876	ug/l	97
3) Chloromethane	2.04	50	69076	19.346	ug/l	100
4) Vinyl Chloride	2.16	62	55401	19.838	ug/l	99
5) Bromomethane	2.55	94	24835	20.600	ug/l	96
6) Chloroethane	2.69	64	32912	20.458	ug/l	99
7) Trichlorofluoromethane	3.00	101	70062	20.365	ug/l	97
8) Diethyl Ether	3.38	74	28667	20.743	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	40372	20.253	ug/l	99
10) Methyl Iodide	3.93	142	38818	21.884	ug/l	99
11) Tert butyl alcohol	4.73	59	37630	94.335	ug/l	98
12) 1,1-Dichloroethene	3.72	96	43174	20.183	ug/l	97
13) Acrolein	3.58	56	36132	81.729	ug/l	98
14) Allyl chloride	4.29	41	79964	21.254	ug/l	94
15) Acrylonitrile	4.94	53	119143	101.572	ug/l	99
16) Acetone	3.78	43	95752	99.663	ug/l	99
17) Carbon Disulfide	4.03	76	131171	20.162	ug/l	100
18) Methyl Acetate	4.29	43	53311	19.713	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	149516	20.329	ug/l	97
20) Methylene Chloride	4.52	84	47457	20.080	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	46198	20.263	ug/l	98
22) Diisopropyl ether	5.91	45	165968	20.880	ug/l	98
23) Vinyl Acetate	5.86	43	677454	104.457	ug/l	100
24) 1,1-Dichloroethane	5.82	63	90222	20.821	ug/l	99
25) 2-Butanone	6.80	43	156717	100.804	ug/l	99
26) 2,2-Dichloropropane	6.79	77	67059	19.669	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	52685	20.335	ug/l	100
28) Bromochloromethane	7.17	49	39996	19.292	ug/l	100
29) Tetrahydrofuran	7.18	42	110721	100.656	ug/l	100
30) Chloroform	7.35	83	84968	20.454	ug/l	98
31) Cyclohexane	7.63	56	86918	19.896	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	74690	20.857	ug/l	99
36) 1,1-Dichloropropene	7.77	75	66790	20.344	ug/l	100
37) Ethyl Acetate	6.90	43	69870	19.697	ug/l	99
38) Carbon Tetrachloride	7.75	117	58066	19.734	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	75592	19.376	ug/l	99
40) Benzene	8.02	78	199136	20.094	ug/l	100
41) Methacrylonitrile	7.15	41	34776m	22.971	ug/l	
42) 1,2-Dichloroethane	8.10	62	68378	20.189	ug/l	99
43) Isopropyl Acetate	8.14	43	116841	19.972	ug/l	100
44) Trichloroethene	8.82	130	51326	20.544	ug/l	99
45) 1,2-Dichloropropane	9.10	63	53531	20.470	ug/l	97
46) Dibromomethane	9.19	93	32376	20.479	ug/l	99
47) Bromodichloromethane	9.39	83	66167	20.141	ug/l	99
48) Methyl methacrylate	9.18	41	49586	19.037	ug/l	98
49) 1,4-Dioxane	9.18	88	11345	366.445	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	337721	101.448	ug/l	100
52) Toluene	10.14	92	120111	20.068	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	75054	19.889	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	82170	19.848	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	46323	20.118	ug/l	98
56) Ethyl methacrylate	10.42	69	71077	19.797	ug/l	99
57) 1,3-Dichloropropane	10.70	76	81234	20.330	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	164281	92.064	ug/l	99
59) 2-Hexanone	10.74	43	237103	98.873	ug/l	100
60) Dibromochloromethane	10.89	129	47823	20.107	ug/l	99
61) 1,2-Dibromoethane	11.00	107	47044	20.318	ug/l	99
64) Tetrachloroethene	10.62	164	50412	20.815	ug/l	99
65) Chlorobenzene	11.43	112	121946	19.987	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	44220	20.017	ug/l	99
67) Ethyl Benzene	11.50	91	227364	20.039	ug/l	100
68) m/p-Xylenes	11.61	106	166680	39.532	ug/l	98
69) o-Xylene	11.94	106	80212	19.928	ug/l	99
70) Styrene	11.96	104	129636	19.693	ug/l	99
71) Bromoform	12.12	173	32997	19.048	ug/l #	99
73) Isopropylbenzene	12.24	105	213859	20.215	ug/l	100
74) N-amyl acetate	12.06	43	96057	19.649	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	63631	19.889	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	64092m	21.070	ug/l	
77) Bromobenzene	12.52	156	50845	19.945	ug/l	100
78) n-propylbenzene	12.59	91	248820	19.907	ug/l	100
79) 2-Chlorotoluene	12.67	91	145241	19.448	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	177218	19.739	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	22613	19.092	ug/l	99
82) 4-Chlorotoluene	12.77	91	153791	20.219	ug/l	99
83) tert-Butylbenzene	12.99	119	147277	19.789	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	176338	19.854	ug/l	100
85) sec-Butylbenzene	13.17	105	197680	19.752	ug/l	100
86) p-Isopropyltoluene	13.28	119	176181	19.577	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	89701	19.951	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	89177	19.741	ug/l	99
89) n-Butylbenzene	13.61	91	156020	19.202	ug/l	100
90) Hexachloroethane	13.87	117	25384	19.405	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	87148	20.271	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12774	18.896	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	50334	19.065	ug/l	100
94) Hexachlorobutadiene	15.00	225	24525	18.949	ug/l	99
95) Naphthalene	15.13	128	149376	18.811	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	49726	19.122	ug/l	99

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

