

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059320.D
 Acq On : 20 Nov 2019 12:08
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 11:07:47 AM

Quant Time: Nov 20 15:16:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 15:04:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	384531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	613642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	546013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	246051	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	87771	18.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.14%	
35) Dibromofluoromethane	7.57	113	67713	18.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.96%	
50) Toluene-d8	10.08	98	274780	19.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.08%	
62) 4-Bromofluorobenzene	12.40	95	95528	18.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	98076	25.314	ug/l	99
3) Chloromethane	2.04	50	117773	22.363	ug/l	99
4) Vinyl Chloride	2.17	62	124891	24.460	ug/l	99
5) Bromomethane	2.54	94	66507	22.635	ug/l	99
6) Chloroethane	2.68	64	63746	21.105	ug/l	98
7) Trichlorofluoromethane	3.00	101	125831	20.603	ug/l	99
8) Diethyl Ether	3.39	74	50824	20.481	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	75389	20.473	ug/l	98
10) Methyl Iodide	3.93	142	93653	20.547	ug/l	98
11) Tert butyl alcohol	4.75	59	86497	96.018	ug/l	98
12) 1,1-Dichloroethene	3.72	96	76279	21.265	ug/l	98
13) Acrolein	3.58	56	74846	161.148	ug/l	99
14) Allyl chloride	4.30	41	141732	19.235	ug/l	98
15) Acrylonitrile	4.96	53	230853	102.973	ug/l	99
16) Acetone	3.79	43	201637	82.031	ug/l	97
17) Carbon Disulfide	4.03	76	243480	21.866	ug/l	100
18) Methyl Acetate	4.30	43	128719	22.062	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	253561	20.532	ug/l	100
20) Methylene Chloride	4.53	84	86071	20.099	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	82715	21.482	ug/l	97
22) Diisopropyl ether	5.92	45	278092	19.981	ug/l	94
23) Vinyl Acetate	5.87	43	1103756	102.328	ug/l	100
24) 1,1-Dichloroethane	5.82	63	156921	20.187	ug/l	99
25) 2-Butanone	6.81	43	307176	94.819	ug/l	99
26) 2,2-Dichloropropane	6.80	77	134568	19.798	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	91224	20.422	ug/l	98
28) Bromochloromethane	7.17	49	61250	26.190	ug/l	95
29) Tetrahydrofuran	7.19	42	209964	102.002	ug/l	97
30) Chloroform	7.35	83	150189	20.141	ug/l	99
31) Cyclohexane	7.63	56	150801	20.492	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	129866	20.715	ug/l	98
36) 1,1-Dichloropropene	7.77	75	118924	20.734	ug/l	99
37) Ethyl Acetate	6.90	43	129489	20.293	ug/l	100
38) Carbon Tetrachloride	7.75	117	111197	19.478	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	142510	21.408	ug/l	99
40) Benzene	8.02	78	349357	20.226	ug/l	100
41) Methacrylonitrile	7.16	41	64679m	23.310	ug/l	
42) 1,2-Dichloroethane	8.10	62	114997	19.412	ug/l	99
43) Isopropyl Acetate	8.14	43	193973	19.068	ug/l	98
44) Trichloroethene	8.82	130	87970	20.719	ug/l	99
45) 1,2-Dichloropropane	9.10	63	93159	19.857	ug/l	98
46) Dibromomethane	9.19	93	57670	19.726	ug/l	99
47) Bromodichloromethane	9.39	83	113953	19.520	ug/l	96
48) Methyl methacrylate	9.19	41	85074	18.697	ug/l	97
49) 1,4-Dioxane	9.19	88	26036	321.972	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	613948	106.663	ug/l	99
52) Toluene	10.15	92	210801	20.362	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	128663	19.077	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	141673	19.528	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	82725	19.745	ug/l	98
56) Ethyl methacrylate	10.42	69	122092	19.632	ug/l	99
57) 1,3-Dichloropropane	10.70	76	142795	19.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	214943	92.182	ug/l	99
59) 2-Hexanone	10.75	43	441574	99.949	ug/l	99
60) Dibromochloromethane	10.90	129	86608	19.551	ug/l	100
61) 1,2-Dibromoethane	11.00	107	85028	20.047	ug/l	98
64) Tetrachloroethene	10.63	164	75784	20.412	ug/l	97
65) Chlorobenzene	11.43	112	218590	20.537	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	81515	20.416	ug/l	100
67) Ethyl Benzene	11.51	91	395793	20.958	ug/l	100
68) m/p-Xylenes	11.62	106	293060	41.428	ug/l	100
69) o-Xylene	11.95	106	140732	20.586	ug/l	99
70) Styrene	11.96	104	219121	20.380	ug/l	99
71) Bromoform	12.13	173	60674	19.536	ug/l #	99
73) Isopropylbenzene	12.25	105	375827	20.998	ug/l	100
74) N-amyl acetate	12.07	43	144219	19.016	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	124850	20.484	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	104484m	18.652	ug/l	
77) Bromobenzene	12.53	156	89742	19.957	ug/l	99
78) n-propylbenzene	12.59	91	434831	21.219	ug/l	99
79) 2-Chlorotoluene	12.67	91	258173	20.308	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	316985	20.901	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41285	19.466	ug/l	99
82) 4-Chlorotoluene	12.77	91	260932	20.464	ug/l	99
83) tert-Butylbenzene	12.99	119	271289	20.714	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	313228	21.348	ug/l	99
85) sec-Butylbenzene	13.17	105	361816	21.242	ug/l	99
86) p-Isopropyltoluene	13.29	119	322699	21.457	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	156177	20.282	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	154116	20.004	ug/l	100
89) n-Butylbenzene	13.62	91	274589	20.860	ug/l	100
90) Hexachloroethane	13.88	117	58911	19.507	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	153867	20.313	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24820	18.043	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	81890	20.181	ug/l	98
94) Hexachlorobutadiene	15.01	225	54525	20.876	ug/l	100
95) Naphthalene	15.13	128	219371	19.684	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	83728	19.724	ug/l	99

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

