

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021120\
 Data File : VN060064.D
 Acq On : 11 Feb 2020 16:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/12/2020 3:03:26 PM

Quant Time: Feb 12 05:06:53 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	174221	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	275151	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	258648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133609	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	106097	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	
35) Dibromofluoromethane	7.56	113	87424	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
50) Toluene-d8	10.08	98	324921	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.40	95	127295	55.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	79033	38.355	ug/l	99
3) Chloromethane	2.04	50	81058	40.639	ug/l	100
4) Vinyl Chloride	2.17	62	106720	46.763	ug/l	98
5) Bromomethane	2.54	94	70522	50.635	ug/l	100
6) Chloroethane	2.68	64	52010	48.171	ug/l	98
7) Trichlorofluoromethane	3.00	101	131374	47.934	ug/l	99
8) Diethyl Ether	3.38	74	48920	50.860	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.73	101	78639	51.553	ug/l	94
10) Methyl Iodide	3.93	142	102128	41.420	ug/l	95
11) Tert butyl alcohol	4.73	59	74998	230.261	ug/l	98
12) 1,1-Dichloroethene	3.72	96	73462	46.088	ug/l	90
13) Acrolein	3.57	56	71267	309.102	ug/l	98
14) Allyl chloride	4.29	41	107224	49.908	ug/l #	87
15) Acrylonitrile	4.94	53	197860	266.311	ug/l	100
16) Acetone	3.78	43	168361	255.347	ug/l	97
17) Carbon Disulfide	4.03	76	164315	36.188	ug/l	99
18) Methyl Acetate	4.28	43	122651	54.272	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	278351	53.561	ug/l	94
20) Methylene Chloride	4.52	84	87695	50.101	ug/l	90
21) trans-1,2-Dichloroethene	5.00	96	79397	46.860	ug/l	91
22) Diisopropyl ether	5.91	45	270911	55.643	ug/l	96
23) Vinyl Acetate	5.86	43	966410	256.369	ug/l	95
24) 1,1-Dichloroethane	5.82	63	156617	52.646	ug/l	97
25) 2-Butanone	6.80	43	257054	234.614	ug/l	94
26) 2,2-Dichloropropane	6.79	77	145138	50.747	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	102304	52.496	ug/l	89
28) Bromochloromethane	7.17	49	64773	54.475	ug/l #	82
29) Tetrahydrofuran	7.18	42	171077	252.364	ug/l	90
30) Chloroform	7.34	83	171822	55.743	ug/l	100
31) Cyclohexane	7.63	56	123144	43.018	ug/l	94
32) 1,1,1-Trichloroethane	7.54	97	151152	53.036	ug/l	96
36) 1,1-Dichloropropene	7.77	75	117103	48.872	ug/l	96
37) Ethyl Acetate	6.89	43	108837	48.429	ug/l	97
38) Carbon Tetrachloride	7.75	117	131879	50.597	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	135514	45.867	ug/l	93
40) Benzene	8.02	78	354119	49.554	ug/l	98
41) Methacrylonitrile	7.15	41	55986m	50.577	ug/l	
42) 1,2-Dichloroethane	8.10	62	131812	54.403	ug/l	96
43) Isopropyl Acetate	8.14	43	195749	50.640	ug/l #	95
44) Trichloroethene	8.82	130	98457	50.470	ug/l	98
45) 1,2-Dichloropropane	9.10	63	97133	54.930	ug/l	99
46) Dibromomethane	9.19	93	66357	53.197	ug/l	93
47) Bromodichloromethane	9.38	83	141616	56.338	ug/l	99
48) Methyl methacrylate	9.18	41	86029	49.755	ug/l	91
49) 1,4-Dioxane	9.18	88	31456	993.791	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	572246	256.091	ug/l	95
52) Toluene	10.14	92	233547	51.741	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	155544	55.419	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	162266	54.946	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	98277	54.973	ug/l	98
56) Ethyl methacrylate	10.42	69	141625	51.846	ug/l	93
57) 1,3-Dichloropropane	10.70	76	157191	55.383	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	248408	301.912	ug/l	92
59) 2-Hexanone	10.74	43	416209	252.831	ug/l	95
60) Dibromochloromethane	10.89	129	115595	56.781	ug/l	99
61) 1,2-Dibromoethane	10.99	107	100482	53.626	ug/l	99
64) Tetrachloroethene	10.62	164	103037	48.879	ug/l	97
65) Chlorobenzene	11.43	112	262802	51.694	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	106730	54.333	ug/l	99
67) Ethyl Benzene	11.50	91	471261	51.064	ug/l	98
68) m/p-Xylenes	11.62	106	349036	100.123	ug/l	96
69) o-Xylene	11.94	106	172150	50.441	ug/l	96
70) Styrene	11.96	104	290498	50.867	ug/l	97
71) Bromoform	12.12	173	87014	55.300	ug/l #	98
73) Isopropylbenzene	12.25	105	477315	48.712	ug/l	100
74) N-amyl acetate	12.07	43	179746	47.274	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	144951	51.027	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	126586m	56.298	ug/l	
77) Bromobenzene	12.52	156	120559	48.584	ug/l	85
78) n-propylbenzene	12.59	91	541811	49.264	ug/l	98
79) 2-Chlorotoluene	12.67	91	318522	48.683	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	403197	48.927	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	51523	49.209	ug/l	96
82) 4-Chlorotoluene	12.77	91	332670	50.692	ug/l	97
83) tert-Butylbenzene	12.99	119	354424	49.728	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	406949	49.916	ug/l	99
85) sec-Butylbenzene	13.17	105	475373	50.765	ug/l	100
86) p-Isopropyltoluene	13.29	119	434859	50.188	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	219207	50.856	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	216930	50.448	ug/l	98
89) n-Butylbenzene	13.61	91	390521	52.860	ug/l	99
90) Hexachloroethane	13.87	117	82029	50.600	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	214339	50.299	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29206	47.809	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132927	51.914	ug/l	97
94) Hexachlorobutadiene	15.01	225	70945	50.279	ug/l	98
95) Naphthalene	15.13	128	351726	48.293	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	127959	51.341	ug/l	99

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

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