

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110520\
 Data File : VN064477.D
 Acq On : 5 Nov 2020 21:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/6/2020 8:50:53 AM

Quant Time: Nov 06 04:00:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	302473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	553259	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	520998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	247617	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	262405	49.81	ug/l	0.00
Spiked Amount						
			Recovery	=	99.62%	
35) Dibromofluoromethane	7.55	113	178897	47.49	ug/l	0.00
Spiked Amount						
			Recovery	=	94.98%	
50) Toluene-d8	10.06	98	687698	47.23	ug/l	0.00
Spiked Amount						
			Recovery	=	94.46%	
62) 4-Bromofluorobenzene	12.38	95	258169	46.89	ug/l	0.00
Spiked Amount						
			Recovery	=	93.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	187904	47.723	ug/l	99
3) Chloromethane	2.04	50	227902	47.653	ug/l	100
4) Vinyl Chloride	2.17	62	244427	49.769	ug/l	100
5) Bromomethane	2.53	94	150106	47.843	ug/l	97
6) Chloroethane	2.67	64	159894	50.851	ug/l	98
7) Trichlorofluoromethane	2.99	101	370575	51.242	ug/l	98
8) Diethyl Ether	3.37	74	132200	51.765	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	165782	48.274	ug/l	98
10) Methyl Iodide	3.90	142	207491	51.997	ug/l	99
11) Tert butyl alcohol	4.76	59	170554	293.543	ug/l	100
12) 1,1-Dichloroethene	3.69	96	162640	50.277	ug/l	94
13) Acrolein	3.57	56	93295	258.866	ug/l	91
14) Allyl chloride	4.27	41	309425	48.897	ug/l	98
15) Acrylonitrile	4.94	53	476587	294.622	ug/l	99
16) Acetone	3.78	43	443841	221.156	ug/l	98
17) Carbon Disulfide	4.00	76	470783	48.665	ug/l	99
18) Methyl Acetate	4.29	43	233330	59.138	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	602987	51.791	ug/l	100
20) Methylene Chloride	4.50	84	196803	49.425	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	183501	49.960	ug/l	99
22) Diisopropyl ether	5.91	45	695393	51.768	ug/l	96
23) Vinyl Acetate	5.85	43	2950852	270.036	ug/l	99
24) 1,1-Dichloroethane	5.80	63	374763	50.771	ug/l	99
25) 2-Butanone	6.79	43	689720	269.729	ug/l	99
26) 2,2-Dichloropropane	6.78	77	282903	42.338	ug/l	99
27) cis-1,2-Dichloroethene	6.79	96	213779	50.230	ug/l	98
28) Bromochloromethane	7.15	49	184385	50.820	ug/l	96
29) Tetrahydrofuran	7.17	42	452198	288.238	ug/l	99
30) Chloroform	7.33	83	395425	50.963	ug/l	98
31) Cyclohexane	7.61	56	294647	46.006	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	350511	50.933	ug/l	100
36) 1,1-Dichloropropene	7.76	75	287987	49.272	ug/l	99
37) Ethyl Acetate	6.89	43	297999	50.231	ug/l	100
38) Carbon Tetrachloride	7.73	117	308482	49.384	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	249429	47.606	ug/l	98
40) Benzene	8.00	78	831260	48.400	ug/l	100
41) Methacrylonitrile	7.13	41	145532	56.162	ug/l	92
42) 1,2-Dichloroethane	8.09	62	347454	50.130	ug/l	100
43) Isopropyl Acetate	8.13	43	495040	52.264	ug/l	99
44) Trichloroethene	8.80	130	204641	47.226	ug/l	100
45) 1,2-Dichloropropane	9.08	63	228031	49.759	ug/l	98
46) Dibromomethane	9.17	93	155428	51.522	ug/l	97
47) Bromodichloromethane	9.37	83	330404	50.937	ug/l	98
48) Methyl methacrylate	9.17	41	259218	54.234	ug/l	98
49) 1,4-Dioxane	9.17	88	76150	1209.614	ug/l	98
51) 4-Methyl-2-Pentanone	9.96	43	1578430	285.751	ug/l	100
52) Toluene	10.13	92	525320	50.149	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	344745	50.131	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	362239	49.267	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	209564	51.297	ug/l	98
56) Ethyl methacrylate	10.40	69	318362	47.461	ug/l	99
57) 1,3-Dichloropropane	10.68	76	365743	51.291	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.67	63	848509	265.680	ug/l	99
59) 2-Hexanone	10.72	43	1152054	255.674	ug/l	99
60) Dibromochloromethane	10.87	129	240336	52.545	ug/l	99
61) 1,2-Dibromoethane	10.98	107	220248	53.151	ug/l	98
64) Tetrachloroethene	10.60	164	181159	45.140	ug/l	97
65) Chlorobenzene	11.41	112	550120	48.166	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	213238	50.045	ug/l	99
67) Ethyl Benzene	11.49	91	1017620	50.090	ug/l	99
68) m/p-Xylenes	11.60	106	742366	100.759	ug/l	98
69) o-Xylene	11.92	106	352068	49.451	ug/l	97
70) Styrene	11.94	104	626774	52.317	ug/l	99
71) Bromoform	12.10	173	157210	49.160	ug/l #	97
73) Isopropylbenzene	12.23	105	935432	47.529	ug/l	99
74) N-amyl acetate	12.05	43	448868	47.097	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	307043	50.791	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	293082m	48.851	ug/l	
77) Bromobenzene	12.50	156	225624	46.955	ug/l	100
78) n-propylbenzene	12.57	91	1086283	48.412	ug/l	100
79) 2-Chlorotoluene	12.65	91	683205	48.007	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	797939	49.144	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	101464	47.220	ug/l	97
82) 4-Chlorotoluene	12.75	91	712532	47.809	ug/l	99
83) tert-Butylbenzene	12.97	119	620496	48.931	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	802614	49.173	ug/l	100
85) sec-Butylbenzene	13.15	105	801944	49.934	ug/l	100
86) p-Isopropyltoluene	13.26	119	721157	49.922	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	402734	48.486	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	400350	46.640	ug/l	98
89) n-Butylbenzene	13.59	91	604774	48.692	ug/l	100
90) Hexachloroethane	13.85	117	141593	50.811	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	397886	49.799	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	69378	57.643	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	174560	44.256	ug/l	99
94) Hexachlorobutadiene	14.98	225	79759	49.030	ug/l	99
95) Naphthalene	15.10	128	601379	44.695	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	179321	46.835	ug/l	99

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

