

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091120\
 Data File : VN063305.D
 Acq On : 11 Sep 2020 10:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 9/21/2020 7:25:51 PM

Quant Time: Sep 21 18:51:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 18:39:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	447332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	780752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	705151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	341471	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	341994	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	7.55	113	249870	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	10.06	98	981182	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
62) 4-Bromofluorobenzene	12.38	95	365883	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	205177	47.758	ug/l	99
3) Chloromethane	2.04	50	300645	53.625	ug/l	99
4) Vinyl Chloride	2.17	62	311226	51.204	ug/l	97
5) Bromomethane	2.53	94	205153	48.378	ug/l	98
6) Chloroethane	2.67	64	197491	49.670	ug/l	98
7) Trichlorofluoromethane	2.98	101	483158	51.403	ug/l	99
8) Diethyl Ether	3.37	74	166581	49.703	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	250106	50.930	ug/l	100
10) Methyl Iodide	3.91	142	331990	52.152	ug/l	99
11) Tert butyl alcohol	4.72	59	231571	249.210	ug/l	100
12) 1,1-Dichloroethene	3.70	96	247485	50.487	ug/l	96
13) Acrolein	3.56	56	149292	283.034	ug/l	98
14) Allyl chloride	4.28	41	491047	48.797	ug/l	98
15) Acrylonitrile	4.93	53	638581	251.347	ug/l	99
16) Acetone	3.77	43	612241	252.277	ug/l	100
17) Carbon Disulfide	4.01	76	713435	51.441	ug/l	100
18) Methyl Acetate	4.28	43	299015	49.013	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	886606	50.616	ug/l	100
20) Methylene Chloride	4.50	84	288811	52.330	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	274923	50.116	ug/l	98
22) Diisopropyl ether	5.90	45	1008406	50.920	ug/l	98
23) Vinyl Acetate	5.84	43	4179754	268.142	ug/l	100
24) 1,1-Dichloroethane	5.79	63	540874	50.434	ug/l	99
25) 2-Butanone	6.78	43	924768	257.961	ug/l	99
26) 2,2-Dichloropropane	6.78	77	474670	50.498	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	317737	49.699	ug/l	98
28) Bromochloromethane	7.15	49	249072	47.895	ug/l	98
29) Tetrahydrofuran	7.16	42	592365	253.768	ug/l	100
30) Chloroform	7.33	83	544241	50.684	ug/l	99
31) Cyclohexane	7.61	56	483017	49.000	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	470712	50.287	ug/l	99
36) 1,1-Dichloropropene	7.75	75	413523	51.528	ug/l	100
37) Ethyl Acetate	6.88	43	389451	49.327	ug/l	98
38) Carbon Tetrachloride	7.73	117	408341	51.699	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	455515	52.029	ug/l	98
40) Benzene	8.00	78	1183476	51.631	ug/l	100
41) Methacrylonitrile	7.12	41	184306	51.608	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	447557	51.463	ug/l	99
43) Isopropyl Acetate	8.12	43	686888	51.373	ug/l #	91
44) Trichloroethene	8.80	130	304347	50.772	ug/l	96
45) 1,2-Dichloropropane	9.08	63	326427	51.919	ug/l	99
46) Dibromomethane	9.17	93	211418	51.856	ug/l	98
47) Bromodichloromethane	9.37	83	440904	51.893	ug/l	98
48) Methyl methacrylate	9.16	41	329597	51.662	ug/l	99
49) 1,4-Dioxane	9.16	88	94047	952.101	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1963322	266.445	ug/l	100
52) Toluene	10.12	92	731677	52.282	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	489571	52.840	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	533132	53.443	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	280994	51.240	ug/l	98
56) Ethyl methacrylate	10.40	69	441472	52.939	ug/l	99
57) 1,3-Dichloropropane	10.68	76	502038	52.390	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	1132452	253.167	ug/l	99
59) 2-Hexanone	10.72	43	1457495	268.199	ug/l	100
60) Dibromochloromethane	10.87	129	329506	54.718	ug/l	97
61) 1,2-Dibromoethane	10.98	107	294168	51.455	ug/l	100
64) Tetrachloroethene	10.60	164	311891	53.992	ug/l	98
65) Chlorobenzene	11.41	112	769722	50.704	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	288962	52.244	ug/l	99
67) Ethyl Benzene	11.48	91	1455198	53.395	ug/l	98
68) m/p-Xylenes	11.59	106	1075154	106.652	ug/l	98
69) o-Xylene	11.92	106	519238	53.671	ug/l	99
70) Styrene	11.94	104	880697	54.772	ug/l	100
71) Bromoform	12.10	173	207996	54.370	ug/l #	99
73) Isopropylbenzene	12.23	105	1387441	50.374	ug/l	100
74) N-amyl acetate	12.05	43	614093	54.307	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	388394	49.238	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	377225m	50.074	ug/l	
77) Bromobenzene	12.50	156	315583	49.847	ug/l	99
78) n-propylbenzene	12.57	91	1661116	53.089	ug/l	99
79) 2-Chlorotoluene	12.65	91	976948	50.780	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	1193803	52.199	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	144313	51.470	ug/l	99
82) 4-Chlorotoluene	12.75	91	1027644	50.956	ug/l	99
83) tert-Butylbenzene	12.97	119	952427	49.104	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	1204967	52.271	ug/l	100
85) sec-Butylbenzene	13.15	105	1306332	52.938	ug/l	100
86) p-Isopropyltoluene	13.26	119	1187160	52.476	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	590154	50.988	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	594230	53.766	ug/l	99
89) n-Butylbenzene	13.59	91	1098426	53.786	ug/l	100
90) Hexachloroethane	13.85	117	206384	55.461	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	582316	50.904	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	89396	49.837	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	340483	50.849	ug/l	98
94) Hexachlorobutadiene	14.98	225	132509	55.027	ug/l	98
95) Naphthalene	15.11	128	1031935	51.284	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	320448	53.385	ug/l	99

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

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