

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN064030.D
 Acq On : 9 Oct 2020 8:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/9/2020 4:53:29 PM

Quant Time: Oct 09 12:32:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	267394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	460505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	435476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	207994	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	213769	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
35) Dibromofluoromethane	7.55	113	151679	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
50) Toluene-d8	10.06	98	571728	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	12.38	95	213681	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	121239	42.970	ug/l	98
3) Chloromethane	2.04	50	157084	47.449	ug/l	100
4) Vinyl Chloride	2.16	62	156118	46.979	ug/l	100
5) Bromomethane	2.52	94	90073	43.092	ug/l	97
6) Chloroethane	2.67	64	103442	52.092	ug/l	99
7) Trichlorofluoromethane	2.98	101	251518	47.722	ug/l	98
8) Diethyl Ether	3.37	74	92962	52.154	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	133132	47.260	ug/l	96
10) Methyl Iodide	3.91	142	169576	51.845	ug/l	98
11) Tert butyl alcohol	4.73	59	135689	278.216	ug/l	100
12) 1,1-Dichloroethene	3.70	96	132663	49.269	ug/l	98
13) Acrolein	3.57	56	88529	295.758	ug/l	100
14) Allyl chloride	4.28	41	265922	53.160	ug/l	90
15) Acrylonitrile	4.93	53	428594	307.007	ug/l	99
16) Acetone	3.77	43	373263	274.486	ug/l	100
17) Carbon Disulfide	4.01	76	349314	48.026	ug/l	99
18) Methyl Acetate	4.28	43	224236	63.510	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	524664	53.633	ug/l	100
20) Methylene Chloride	4.50	84	167808	53.868	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	147770	48.996	ug/l	98
22) Diisopropyl ether	5.90	45	604038	58.690	ug/l	95
23) Vinyl Acetate	5.84	43	2420734	283.941	ug/l	99
24) 1,1-Dichloroethane	5.80	63	312969	53.184	ug/l	98
25) 2-Butanone	6.78	43	596012	309.144	ug/l	98
26) 2,2-Dichloropropane	6.78	77	181773	33.730	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	177312	51.118	ug/l	95
28) Bromochloromethane	7.15	49	160712	55.256	ug/l	97
29) Tetrahydrofuran	7.16	42	400352	309.616	ug/l	96
30) Chloroform	7.33	83	325404	53.033	ug/l	96
31) Cyclohexane	7.61	56	248898	48.532	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	285066	51.508	ug/l	99
36) 1,1-Dichloropropene	7.75	75	225415	48.317	ug/l	99
37) Ethyl Acetate	6.88	43	250564	54.058	ug/l	100
38) Carbon Tetrachloride	7.73	117	247853	47.377	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	203594	43.761	ug/l	99
40) Benzene	8.00	78	674941	50.651	ug/l	99
41) Methacrylonitrile	7.13	41	105046m	50.993	ug/l	
42) 1,2-Dichloroethane	8.08	62	273381	48.061	ug/l	100
43) Isopropyl Acetate	8.13	43	416133	54.429	ug/l #	92
44) Trichloroethene	8.80	130	167787	48.057	ug/l	98
45) 1,2-Dichloropropane	9.08	63	189133	52.555	ug/l	99
46) Dibromomethane	9.17	93	123163	49.610	ug/l	98
47) Bromodichloromethane	9.37	83	259845	50.785	ug/l	98
48) Methyl methacrylate	9.16	41	214190	56.704	ug/l	92
49) 1,4-Dioxane	9.16	88	54939	1023.379	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1308457	291.632	ug/l	99
52) Toluene	10.12	92	427248	51.836	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	263682	48.077	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	280935	48.978	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	173558	52.507	ug/l	97
56) Ethyl methacrylate	10.40	69	257884	55.041	ug/l	95
57) 1,3-Dichloropropane	10.68	76	297942	53.278	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	694669	277.178	ug/l	99
59) 2-Hexanone	10.72	43	959031	287.740	ug/l	100
60) Dibromochloromethane	10.87	129	197120	51.207	ug/l	100
61) 1,2-Dibromoethane	10.98	107	181291	53.617	ug/l	100
64) Tetrachloroethene	10.60	164	153689	45.617	ug/l	99
65) Chlorobenzene	11.41	112	447146	50.056	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	178301	52.064	ug/l	99
67) Ethyl Benzene	11.48	91	815744	50.185	ug/l	99
68) m/p-Xylenes	11.60	106	605188	99.897	ug/l	99
69) o-Xylene	11.92	106	289183	51.071	ug/l	99
70) Styrene	11.94	104	508078	52.861	ug/l	98
71) Bromoform	12.10	173	136579	52.145	ug/l #	98
73) Isopropylbenzene	12.22	105	770815	50.809	ug/l	99
74) N-amyl acetate	12.05	43	374743	53.007	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	252577	54.445	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	243158m	53.033	ug/l	
77) Bromobenzene	12.50	156	192745	51.777	ug/l	99
78) n-propylbenzene	12.57	91	867609	49.140	ug/l	100
79) 2-Chlorotoluene	12.65	91	544722	50.165	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	647311	50.859	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	78300	49.186	ug/l	97
82) 4-Chlorotoluene	12.75	91	567773	50.368	ug/l	98
83) tert-Butylbenzene	12.97	119	511263	49.108	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	648439	51.029	ug/l	98
85) sec-Butylbenzene	13.14	105	678156	49.594	ug/l	99
86) p-Isopropyltoluene	13.26	119	597953	49.430	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	335372	49.798	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	330963	47.199	ug/l	99
89) n-Butylbenzene	13.59	91	488916	43.790	ug/l	99
90) Hexachloroethane	13.85	117	116153	49.551	ug/l	93
91) 1,2-Dichlorobenzene	13.63	146	336060	50.380	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	55225	50.760	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	151031	41.929	ug/l	98
94) Hexachlorobutadiene	14.98	225	87102	48.162	ug/l	99
95) Naphthalene	15.10	128	471670	42.334	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	154352	44.067	ug/l	99

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

