

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062420\
 Data File : VN062077.D
 Acq On : 24 Jun 2020 21:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/25/2020 6:10:39 PM

Quant Time: Jun 25 05:27:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	257961	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	463443	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	431672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	208796	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	174010	48.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.14%	
35) Dibromofluoromethane	7.55	113	141175	47.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.96%	
50) Toluene-d8	10.06	98	566109	47.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.26%	
62) 4-Bromofluorobenzene	12.38	95	194065	48.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	133709	45.857	ug/l	99
3) Chloromethane	2.03	50	167142	48.655	ug/l	98
4) Vinyl Chloride	2.16	62	210178	45.773	ug/l	98
5) Bromomethane	2.52	94	81267	27.384	ug/l	100
6) Chloroethane	2.66	64	147934	47.162	ug/l	100
7) Trichlorofluoromethane	2.98	101	260379	46.019	ug/l	99
8) Diethyl Ether	3.37	74	95268	48.220	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	135551	45.749	ug/l	99
10) Methyl Iodide	3.91	142	95244	28.543	ug/l	100
11) Tert butyl alcohol	4.74	59	123137	236.911	ug/l	99
12) 1,1-Dichloroethene	3.69	96	140546	47.449	ug/l	100
13) Acrolein	3.56	56	114242	224.499	ug/l	100
14) Allyl chloride	4.27	41	193604	48.008	ug/l	99
15) Acrylonitrile	4.93	53	342752	241.994	ug/l	99
16) Acetone	3.77	43	271424	238.686	ug/l	99
17) Carbon Disulfide	4.01	76	413804	48.776	ug/l	99
18) Methyl Acetate	4.28	43	136193	47.327	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	469848	49.641	ug/l	99
20) Methylene Chloride	4.50	84	166256	50.029	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	155225	46.002	ug/l	100
22) Diisopropyl ether	5.90	45	440002	47.919	ug/l	99
23) Vinyl Acetate	5.84	43	1879320	250.685	ug/l	100
24) 1,1-Dichloroethane	5.80	63	275095	46.525	ug/l	99
25) 2-Butanone	6.79	43	429297	242.618	ug/l	98
26) 2,2-Dichloropropane	6.77	77	215165	43.669	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	179952	47.393	ug/l	96
28) Bromochloromethane	7.15	49	123415	48.107	ug/l	100
29) Tetrahydrofuran	7.17	42	290167	250.346	ug/l	99
30) Chloroform	7.33	83	282068	46.888	ug/l	99
31) Cyclohexane	7.61	56	234386	46.864	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	242637	47.826	ug/l	100
36) 1,1-Dichloropropene	7.75	75	215158	46.188	ug/l	100
37) Ethyl Acetate	6.88	43	186477	48.344	ug/l	99
38) Carbon Tetrachloride	7.73	117	204589	46.585	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	244055	47.816	ug/l	98
40) Benzene	8.00	78	659120	46.423	ug/l	100
41) Methacrylonitrile	7.13	41	88394	49.430	ug/l	96
42) 1,2-Dichloroethane	8.08	62	220375	45.939	ug/l	100
43) Isopropyl Acetate	8.13	43	308636	49.083	ug/l	98
44) Trichloroethene	8.80	130	163760	45.723	ug/l	100
45) 1,2-Dichloropropane	9.08	63	166566	47.552	ug/l	100
46) Dibromomethane	9.17	93	112258	47.268	ug/l	98
47) Bromodichloromethane	9.37	83	227430	47.428	ug/l	98
48) Methyl methacrylate	9.17	41	144696	51.322	ug/l	96
49) 1,4-Dioxane	9.17	88	60486	967.413	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	937035	255.056	ug/l	100
52) Toluene	10.12	92	422917	48.818	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	251093	47.595	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	272180	48.459	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	163403	47.984	ug/l	98
56) Ethyl methacrylate	10.40	69	239810	52.768	ug/l	100
57) 1,3-Dichloropropane	10.68	76	280778	47.902	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	465153	241.020	ug/l	100
59) 2-Hexanone	10.72	43	688926	259.690	ug/l	100
60) Dibromochloromethane	10.87	129	174660	48.445	ug/l	98
61) 1,2-Dibromoethane	10.98	107	168728	48.220	ug/l	100
64) Tetrachloroethene	10.60	164	135143	45.831	ug/l	98
65) Chlorobenzene	11.41	112	441043	46.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	155130	47.325	ug/l	99
67) Ethyl Benzene	11.48	91	797025	49.783	ug/l	99
68) m/p-Xylenes	11.60	106	609218	98.383	ug/l	99
69) o-Xylene	11.92	106	292517	50.067	ug/l	98
70) Styrene	11.94	104	499337	51.246	ug/l	99
71) Bromoform	12.10	173	115322	49.481	ug/l #	99
73) Isopropylbenzene	12.22	105	769870	47.633	ug/l	100
74) N-amyl acetate	12.05	43	280090	47.272	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	245890	45.717	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	202961m	41.292	ug/l	
77) Bromobenzene	12.50	156	182722	45.537	ug/l	99
78) n-propylbenzene	12.57	91	888059	48.036	ug/l	100
79) 2-Chlorotoluene	12.65	91	524299	46.911	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	640536	48.888	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	70527	41.904	ug/l	99
82) 4-Chlorotoluene	12.75	91	539417	46.672	ug/l	100
83) tert-Butylbenzene	12.97	119	537260	47.914	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	639467	48.868	ug/l	100
85) sec-Butylbenzene	13.15	105	717049	48.395	ug/l	99
86) p-Isopropyltoluene	13.26	119	642280	49.478	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	327626	46.497	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	329125	45.314	ug/l	99
89) n-Butylbenzene	13.59	91	531752	49.272	ug/l	99
90) Hexachloroethane	13.85	117	110899	43.544	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	321411	47.040	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	42004	48.751	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	152832	51.202	ug/l	99
94) Hexachlorobutadiene	14.98	225	59889	46.196	ug/l	99
95) Naphthalene	15.11	128	461145	46.628	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	153012	50.134	ug/l	99

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

