

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081920\
 Data File : VN063024.D
 Acq On : 19 Aug 2020 19:59
 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
 8/20/2020 10:09:59 AM

Quant Time: Aug 20 02:03:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	173590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	261186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	249481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	127273	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	100534	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	7.55	113	85848	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.06	98	331947	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.38	95	120144	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	116062	51.169	ug/l	99
3) Chloromethane	2.03	50	128228	53.874	ug/l	99
4) Vinyl Chloride	2.16	62	126201	54.827	ug/l	98
5) Bromomethane	2.52	94	73229	53.599	ug/l	100
6) Chloroethane	2.66	64	74764	55.013	ug/l	99
7) Trichlorofluoromethane	2.98	101	153267	53.393	ug/l	99
8) Diethyl Ether	3.37	74	49818	49.058	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	77090	49.839	ug/l	98
10) Methyl Iodide	3.91	142	105100	53.606	ug/l	98
11) Tert butyl alcohol	4.74	59	64924	222.787	ug/l	99
12) 1,1-Dichloroethene	3.69	96	71510	48.531	ug/l	98
13) Acrolein	3.57	56	11499	125.956	ug/l	99
14) Allyl chloride	4.28	41	124820	48.044	ug/l	98
15) Acrylonitrile	4.93	53	212057	247.577	ug/l	99
16) Acetone	3.78	43	162736	253.713	ug/l	97
17) Carbon Disulfide	4.01	76	190699	49.417	ug/l	100
18) Methyl Acetate	4.28	43	96057	46.982	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	267143	51.986	ug/l	99
20) Methylene Chloride	4.50	84	93544	51.614	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	78755	51.072	ug/l	96
22) Diisopropyl ether	5.90	45	309234	52.451	ug/l	99
23) Vinyl Acetate	5.84	43	971370	244.158	ug/l	99
24) 1,1-Dichloroethane	5.80	63	164899	50.052	ug/l	99
25) 2-Butanone	6.79	43	253674	232.247	ug/l	99
26) 2,2-Dichloropropane	6.78	77	120372	46.459	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	97108	50.242	ug/l	99
28) Bromochloromethane	7.15	49	82623	47.931	ug/l	99
29) Tetrahydrofuran	7.17	42	172592	244.831	ug/l	99
30) Chloroform	7.33	83	165870	49.991	ug/l	99
31) Cyclohexane	7.62	56	154601	50.985	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	137880	50.901	ug/l	96
36) 1,1-Dichloropropene	7.75	75	113818	49.449	ug/l	99
37) Ethyl Acetate	6.88	43	99823	46.285	ug/l	98
38) Carbon Tetrachloride	7.73	117	117193	50.433	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	149662	48.219	ug/l	97
40) Benzene	8.00	78	369284	50.585	ug/l	100
41) Methacrylonitrile	7.12	41	47438	46.165	ug/l	93
42) 1,2-Dichloroethane	8.09	62	123293	50.299	ug/l	99
43) Isopropyl Acetate	8.13	43	166286	46.539	ug/l #	92
44) Trichloroethene	8.80	130	91500	50.389	ug/l	96
45) 1,2-Dichloropropane	9.09	63	105924	50.197	ug/l	98
46) Dibromomethane	9.18	93	62601	51.352	ug/l	98
47) Bromodichloromethane	9.37	83	134767	50.475	ug/l	99
48) Methyl methacrylate	9.17	41	83158	49.189	ug/l	98
49) 1,4-Dioxane	9.17	88	34657	932.637	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	546483	241.970	ug/l	99
52) Toluene	10.12	92	230217	52.277	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	141582	51.278	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	155081	51.201	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	95865	50.911	ug/l	99
56) Ethyl methacrylate	10.40	69	134097	46.245	ug/l	100
57) 1,3-Dichloropropane	10.68	76	157337	50.319	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	149056	212.729	ug/l	100
59) 2-Hexanone	10.72	43	385947	244.993	ug/l	100
60) Dibromochloromethane	10.87	129	106060	50.896	ug/l	99
61) 1,2-Dibromoethane	10.98	107	95132	52.579	ug/l	99
64) Tetrachloroethene	10.60	164	82681	50.417	ug/l	97
65) Chlorobenzene	11.41	112	254961	50.885	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	100153	51.390	ug/l	100
67) Ethyl Benzene	11.48	91	447470	52.853	ug/l	100
68) m/p-Xylenes	11.60	106	344741	109.558	ug/l	99
69) o-Xylene	11.92	106	162639	53.825	ug/l	99
70) Styrene	11.94	104	294678	49.176	ug/l	100
71) Bromoform	12.10	173	80643	51.986	ug/l #	100
73) Isopropylbenzene	12.23	105	450335	51.670	ug/l	100
74) N-amyl acetate	12.05	43	162565	52.079	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	141706	50.398	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	118639m	47.956	ug/l	
77) Bromobenzene	12.50	156	118058	49.251	ug/l	99
78) n-propylbenzene	12.57	91	530805	53.431	ug/l	100
79) 2-Chlorotoluene	12.65	91	316054	50.580	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	390418	54.188	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	44331	49.215	ug/l	97
82) 4-Chlorotoluene	12.75	91	331693	52.131	ug/l	99
83) tert-Butylbenzene	12.97	119	330090	53.082	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	381815	54.397	ug/l	100
85) sec-Butylbenzene	13.15	105	444777	52.923	ug/l	100
86) p-Isopropyltoluene	13.27	119	392840	53.646	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	210883	51.191	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	209736	50.161	ug/l	100
89) n-Butylbenzene	13.59	91	310211	44.990	ug/l	100
90) Hexachloroethane	13.85	117	77300	49.664	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	204813	51.470	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	22856	52.071	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	95177	43.772	ug/l	98
94) Hexachlorobutadiene	14.98	225	71035	48.308	ug/l	99
95) Naphthalene	15.10	128	208017	41.983	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	94819	44.338	ug/l	98

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

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