

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031920\
 Data File : VN060644.D
 Acq On : 19 Mar 2020 18:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/20/2020 12:05:39 PM

Quant Time: Mar 20 08:24:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	331888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149969	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	131127	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	7.56	113	97616	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
50) Toluene-d8	10.08	98	390334	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
62) 4-Bromofluorobenzene	12.40	95	147359	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	96939	51.062	ug/l	99
3) Chloromethane	2.04	50	167902	47.354	ug/l	100
4) Vinyl Chloride	2.16	62	138028	49.770	ug/l	99
5) Bromomethane	2.54	94	60472	50.512	ug/l	98
6) Chloroethane	2.68	64	80662	50.491	ug/l	100
7) Trichlorofluoromethane	3.00	101	172018	50.352	ug/l	100
8) Diethyl Ether	3.38	74	70404	51.300	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	100213	50.624	ug/l	99
10) Methyl Iodide	3.93	142	96831	54.972	ug/l	100
11) Tert butyl alcohol	4.73	59	113560	286.679	ug/l	100
12) 1,1-Dichloroethene	3.72	96	104332	49.114	ug/l	98
13) Acrolein	3.58	56	83895	191.095	ug/l	99
14) Allyl chloride	4.29	41	181575	48.599	ug/l	99
15) Acrylonitrile	4.94	53	309668	265.847	ug/l	100
16) Acetone	3.78	43	251989	264.117	ug/l	99
17) Carbon Disulfide	4.03	76	318542	49.305	ug/l	100
18) Methyl Acetate	4.29	43	138068	51.413	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	367206	50.278	ug/l	98
20) Methylene Chloride	4.52	84	118113	50.325	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	112005	49.471	ug/l	96
22) Diisopropyl ether	5.92	45	410632	52.022	ug/l	96
23) Vinyl Acetate	5.86	43	1734944	269.386	ug/l	99
24) 1,1-Dichloroethane	5.81	63	220631	51.273	ug/l	99
25) 2-Butanone	6.80	43	414397	268.415	ug/l	99
26) 2,2-Dichloropropane	6.80	77	166508	49.181	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	128666	50.010	ug/l	99
28) Bromochloromethane	7.17	49	106121	51.546	ug/l	99
29) Tetrahydrofuran	7.18	42	285361	261.237	ug/l	100
30) Chloroform	7.35	83	209306	50.739	ug/l	98
31) Cyclohexane	7.63	56	206895	47.692	ug/l	100
32) 1,1,1-Trichloroethane	7.54	97	181068	50.916	ug/l	99
36) 1,1-Dichloropropene	7.77	75	164639	51.230	ug/l	100
37) Ethyl Acetate	6.90	43	174675	50.303	ug/l	99
38) Carbon Tetrachloride	7.75	117	147975	51.375	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	190877	49.980	ug/l	98
40) Benzene	8.02	78	485331	50.027	ug/l	100
41) Methacrylonitrile	7.15	41	85931m	57.985	ug/l	
42) 1,2-Dichloroethane	8.10	62	167337	50.472	ug/l	100
43) Isopropyl Acetate	8.14	43	299177	52.242	ug/l	100
44) Trichloroethene	8.82	130	121192	49.555	ug/l	99
45) 1,2-Dichloropropane	9.10	63	131664	51.434	ug/l	98
46) Dibromomethane	9.19	93	80107	51.762	ug/l	100
47) Bromodichloromethane	9.39	83	166184	51.675	ug/l	99
48) Methyl methacrylate	9.18	41	136280	53.449	ug/l	99
49) 1,4-Dioxane	9.18	88	38514	1270.816	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	888651	272.693	ug/l	100
52) Toluene	10.14	92	297856	50.838	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	193017	52.251	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	206361	50.921	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	114805	50.933	ug/l	99
56) Ethyl methacrylate	10.42	69	192828	54.866	ug/l	100
57) 1,3-Dichloropropane	10.70	76	201235	51.448	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	485549	277.969	ug/l	100
59) 2-Hexanone	10.74	43	657355	280.026	ug/l	99
60) Dibromochloromethane	10.89	129	124073	53.289	ug/l	100
61) 1,2-Dibromoethane	10.99	107	118723	52.381	ug/l	100
64) Tetrachloroethene	10.62	164	112351	46.121	ug/l	99
65) Chlorobenzene	11.43	112	303215	49.409	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	113206	50.949	ug/l	98
67) Ethyl Benzene	11.50	91	571931	50.115	ug/l	99
68) m/p-Xylenes	11.62	106	419204	98.848	ug/l	98
69) o-Xylene	11.94	106	204679	50.558	ug/l	99
70) Styrene	11.96	104	351889	53.146	ug/l	99
71) Bromoform	12.12	173	91340	49.479	ug/l #	99
73) Isopropylbenzene	12.24	105	545492	48.469	ug/l	99
74) N-amyl acetate	12.06	43	274681	52.817	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	171984	50.532	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	153328m	47.382	ug/l	
77) Bromobenzene	12.52	156	131274	48.406	ug/l	99
78) n-propylbenzene	12.59	91	644426	48.466	ug/l	99
79) 2-Chlorotoluene	12.67	91	378257	47.611	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	458889	48.047	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	63556	50.442	ug/l	100
82) 4-Chlorotoluene	12.77	91	395951	48.934	ug/l	99
83) tert-Butylbenzene	12.99	119	380540	48.064	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	459314	48.611	ug/l	100
85) sec-Butylbenzene	13.17	105	510420	47.942	ug/l	100
86) p-Isopropyltoluene	13.28	119	463576	48.422	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	233179	48.751	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	232931	48.471	ug/l	99
89) n-Butylbenzene	13.61	91	420992	48.705	ug/l	99
90) Hexachloroethane	13.87	117	71847	51.628	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	223884	48.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	36213	50.803	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	142188	50.626	ug/l	99
94) Hexachlorobutadiene	15.01	225	62755	45.579	ug/l	99
95) Naphthalene	15.13	128	440061	52.092	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	134294	48.544	ug/l	99

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

