

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040820\
 Data File : VN060891.D
 Acq On : 8 Apr 2020 10:17
 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

apatel
 4/9/2020 12:29:30 PM

Quant Time: Apr 09 08:38:14 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	192739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	312016	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	287764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140602	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	125537	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
35) Dibromofluoromethane	7.56	113	95575	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	10.08	98	382585	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
62) 4-Bromofluorobenzene	12.40	95	144561	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	87681	47.016	ug/l 99
3) Chloromethane	2.04	50	152949	43.912	ug/l 98
4) Vinyl Chloride	2.17	62	122430	44.940	ug/l 100
5) Bromomethane	2.54	94	62530	53.170	ug/l 100
6) Chloroethane	2.68	64	78092	49.761	ug/l 99
7) Trichlorofluoromethane	3.00	101	167638	49.953	ug/l 99
8) Diethyl Ether	3.38	74	71002	52.666	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	103608	53.280	ug/l 100
10) Methyl Iodide	3.93	142	78185	45.185	ug/l 100
11) Tert butyl alcohol	4.72	59	82707	212.547	ug/l 99
12) 1,1-Dichloroethene	3.71	96	102747	49.238	ug/l 99
13) Acrolein	3.57	56	94137	218.282	ug/l 99
14) Allyl chloride	4.29	41	192021	52.319	ug/l 97
15) Acrylonitrile	4.94	53	291264	254.545	ug/l 99
16) Acetone	3.77	43	321512	343.048	ug/l 99
17) Carbon Disulfide	4.03	76	285974	45.060	ug/l 100
18) Methyl Acetate	4.28	43	140334	53.197	ug/l 100
19) Methyl tert-butyl Ether	5.00	73	368964	51.427	ug/l 99
20) Methylene Chloride	4.52	84	117650	51.030	ug/l 98
21) trans-1,2-Dichloroethene	5.00	96	110726	49.786	ug/l 93
22) Diisopropyl ether	5.91	45	428427	55.253	ug/l 98
23) Vinyl Acetate	5.85	43	1695762	268.039	ug/l 100
24) 1,1-Dichloroethane	5.81	63	222873	52.725	ug/l 100
25) 2-Butanone	6.79	43	421980	278.244	ug/l 98
26) 2,2-Dichloropropane	6.79	77	190432	57.259	ug/l 100
27) cis-1,2-Dichloroethene	6.80	96	129677	51.310	ug/l 97
28) Bromochloromethane	7.17	49	101518	50.197	ug/l 98
29) Tetrahydrofuran	7.18	42	255594	238.195	ug/l 99
30) Chloroform	7.34	83	215831	53.261	ug/l 100
31) Cyclohexane	7.63	56	204714	48.038	ug/l 99
32) 1,1,1-Trichloroethane	7.54	97	181721	52.019	ug/l 99
36) 1,1-Dichloropropene	7.77	75	163942	54.262	ug/l 99
37) Ethyl Acetate	6.89	43	165632	50.736	ug/l 99
38) Carbon Tetrachloride	7.75	117	145741	53.822	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	198864	55.387	ug/l	99
40) Benzene	8.02	78	491775	53.920	ug/l	100
41) Methacrylonitrile	7.15	41	82440m	59.172	ug/l	
42) 1,2-Dichloroethane	8.10	62	169019	54.226	ug/l	100
43) Isopropyl Acetate	8.14	43	284072	52.763	ug/l	100
44) Trichloroethene	8.81	130	123575	53.747	ug/l	100
45) 1,2-Dichloropropane	9.10	63	135620	56.353	ug/l	98
46) Dibromomethane	9.19	93	78843	54.190	ug/l	98
47) Bromodichloromethane	9.38	83	170306	56.330	ug/l	98
48) Methyl methacrylate	9.18	41	127533	53.204	ug/l	98
49) 1,4-Dioxane	9.18	88	26610	933.950	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	812089	265.071	ug/l	100
52) Toluene	10.14	92	300572	54.568	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	197630	56.907	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	212789	55.851	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	117071	55.246	ug/l	99
56) Ethyl methacrylate	10.42	69	183906	55.660	ug/l	99
57) 1,3-Dichloropropane	10.70	76	202997	55.204	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	398500	242.664	ug/l	100
59) 2-Hexanone	10.74	43	610969	276.842	ug/l	99
60) Dibromochloromethane	10.89	129	123954	56.629	ug/l	100
61) 1,2-Dibromoethane	10.99	107	116909	54.865	ug/l	99
64) Tetrachloroethene	10.62	164	120206	53.084	ug/l	97
65) Chlorobenzene	11.43	112	309035	54.173	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	115001	55.678	ug/l	98
67) Ethyl Benzene	11.50	91	583771	55.028	ug/l	100
68) m/p-Xylenes	11.61	106	430515	109.206	ug/l	99
69) o-Xylene	11.94	106	206222	54.798	ug/l	99
70) Styrene	11.96	104	345074	56.065	ug/l	100
71) Bromoform	12.12	173	88200	51.332	ug/l #	100
73) Isopropylbenzene	12.24	105	560874	53.155	ug/l	100
74) N-amyl acetate	12.06	43	245732	50.398	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	165061	51.729	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	136207m	44.895	ug/l	
77) Bromobenzene	12.52	156	132251	52.015	ug/l	99
78) n-propylbenzene	12.59	91	673453	54.023	ug/l	99
79) 2-Chlorotoluene	12.67	91	387960	52.086	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	477227	53.295	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	61445	52.015	ug/l	98
82) 4-Chlorotoluene	12.77	91	407419	53.705	ug/l	99
83) tert-Butylbenzene	12.99	119	399192	53.778	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	478181	53.979	ug/l	100
85) sec-Butylbenzene	13.17	105	554397	55.542	ug/l	100
86) p-Isopropyltoluene	13.28	119	502386	55.971	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	244206	54.457	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	245949	54.590	ug/l	99
89) n-Butylbenzene	13.61	91	478561	59.054	ug/l	100
90) Hexachloroethane	13.87	117	78070	59.838	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	234471	54.682	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31225	46.702	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	151432	57.509	ug/l	99
94) Hexachlorobutadiene	15.01	225	78701	60.969	ug/l	99
95) Naphthalene	15.13	128	398320	50.293	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	142069	54.776	ug/l	99

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

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