

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059801.D
 Acq On : 21 Jan 2020 9:19
 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

MMDadoda
 1/22/2020 11:14:45 AM

Quant Time: Jan 22 02:53:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	188867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	286963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	261785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130278	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	97641	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
35) Dibromofluoromethane	7.56	113	83251	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	10.08	98	315529	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	12.40	95	114768	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	112344	50.457	ug/l	99
3) Chloromethane	2.03	50	105925	48.987	ug/l	98
4) Vinyl Chloride	2.17	62	131230	53.043	ug/l	96
5) Bromomethane	2.54	94	79828	52.872	ug/l	99
6) Chloroethane	2.68	64	60367	51.575	ug/l	100
7) Trichlorofluoromethane	3.00	101	154265	51.921	ug/l	96
8) Diethyl Ether	3.38	74	53968	51.758	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.73	101	91467	55.312	ug/l	92
10) Methyl Iodide	3.93	142	137061	51.277	ug/l	95
11) Tert butyl alcohol	4.73	59	78876	223.388	ug/l	98
12) 1,1-Dichloroethene	3.72	96	86385	49.993	ug/l	89
13) Acrolein	3.58	56	33758	135.062	ug/l	96
14) Allyl chloride	4.29	41	117163	50.305	ug/l #	85
15) Acrylonitrile	4.94	53	199201	247.324	ug/l	99
16) Acetone	3.78	43	232947	328.787	ug/l	95
17) Carbon Disulfide	4.03	76	235907	47.926	ug/l	100
18) Methyl Acetate	4.29	43	116186	47.424	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	289419	51.372	ug/l	96
20) Methylene Chloride	4.52	84	96990	51.141	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	94663	51.538	ug/l	84
22) Diisopropyl ether	5.91	45	264004	50.019	ug/l #	96
23) Vinyl Acetate	5.86	43	1021666	250.010	ug/l #	93
24) 1,1-Dichloroethane	5.81	63	162206	50.296	ug/l	97
25) 2-Butanone	6.80	43	301601	253.926	ug/l #	90
26) 2,2-Dichloropropane	6.79	77	158713	51.190	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	109412	51.790	ug/l	87
28) Bromochloromethane	7.17	49	56817	44.079	ug/l #	70
29) Tetrahydrofuran	7.18	42	164970	224.484	ug/l #	85
30) Chloroform	7.35	83	173841	52.024	ug/l	99
31) Cyclohexane	7.63	56	144611	46.600	ug/l	91
32) 1,1,1-Trichloroethane	7.54	97	162582	52.622	ug/l	95
36) 1,1-Dichloropropene	7.77	75	129615	51.867	ug/l	95
37) Ethyl Acetate	6.89	43	108385	46.243	ug/l	95
38) Carbon Tetrachloride	7.75	117	143876	52.927	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	160262	52.011	ug/l	91
40) Benzene	8.02	78	385505	51.726	ug/l	99
41) Methacrylonitrile	7.15	41	47157m	40.847	ug/l	
42) 1,2-Dichloroethane	8.10	62	131288	51.956	ug/l	95
43) Isopropyl Acetate	8.14	43	192933	47.857	ug/l #	95
44) Trichloroethene	8.82	130	113522	55.797	ug/l	92
45) 1,2-Dichloropropane	9.10	63	97333	52.777	ug/l	99
46) Dibromomethane	9.19	93	70035	53.835	ug/l	91
47) Bromodichloromethane	9.38	83	141590	54.010	ug/l	99
48) Methyl methacrylate	9.18	41	85233	47.266	ug/l	87
49) 1,4-Dioxane	9.18	88	34511	1045.428	ug/l #	88
51) 4-Methyl-2-Pentanone	9.97	43	551891	236.815	ug/l	94
52) Toluene	10.14	92	248699	52.830	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	158131	54.021	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	167072	54.245	ug/l	91
55) 1,1,2-Trichloroethane	10.55	97	97603	52.349	ug/l	99
56) Ethyl methacrylate	10.42	69	143744	50.456	ug/l	90
57) 1,3-Dichloropropane	10.70	76	158828	53.657	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	324068	377.656	ug/l	90
59) 2-Hexanone	10.74	43	447784	260.815	ug/l	94
60) Dibromochloromethane	10.89	129	117299	55.247	ug/l	98
61) 1,2-Dibromoethane	10.99	107	105537	54.006	ug/l	99
64) Tetrachloroethene	10.62	164	116189	54.458	ug/l	95
65) Chlorobenzene	11.43	112	274415	53.331	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	107839	54.239	ug/l	99
67) Ethyl Benzene	11.50	91	493319	52.814	ug/l	98
68) m/p-Xylenes	11.62	106	376175	106.615	ug/l	93
69) o-Xylene	11.94	106	179897	52.079	ug/l	95
70) Styrene	11.96	104	305976	52.935	ug/l	96
71) Bromoform	12.12	173	88113	55.327	ug/l #	99
73) Isopropylbenzene	12.25	105	488959	51.176	ug/l	99
74) N-amyl acetate	12.06	43	169890	45.824	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	132520	47.844	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	124064m	56.587	ug/l	
77) Bromobenzene	12.52	156	127539	52.711	ug/l	78
78) n-propylbenzene	12.59	91	554686	51.724	ug/l	97
79) 2-Chlorotoluene	12.67	91	323087	50.643	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	415376	51.694	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	50206	49.177	ug/l	94
82) 4-Chlorotoluene	12.77	91	333940	52.187	ug/l	95
83) tert-Butylbenzene	12.99	119	360114	51.818	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	420154	52.853	ug/l	99
85) sec-Butylbenzene	13.17	105	476979	52.239	ug/l	99
86) p-Isopropyltoluene	13.29	119	443907	52.542	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	226505	53.892	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	222329	53.026	ug/l	98
89) n-Butylbenzene	13.61	91	388179	53.887	ug/l	98
90) Hexachloroethane	13.87	117	81590	51.616	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	220097	52.971	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28915	48.577	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	140332	56.207	ug/l	99
94) Hexachlorobutadiene	15.01	225	73398	53.348	ug/l	100
95) Naphthalene	15.13	128	359332	50.599	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	133363	54.877	ug/l	99

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

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