

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100219\
 Data File : VN058500.D
 Acq On : 3 Oct 2019 1:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 1:30:42 PM

Quant Time: Oct 03 06:46:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	332794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	588502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	536331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	259207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	262964	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
35) Dibromofluoromethane	7.57	113	188743	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	10.09	98	737866	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.41	95	273167	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	190117	52.100	ug/l	98
3) Chloromethane	2.03	50	242562	60.463	ug/l	99
4) Vinyl Chloride	2.17	62	212144	53.982	ug/l	99
5) Bromomethane	2.54	94	97982	46.939	ug/l	97
6) Chloroethane	2.68	64	127747	54.251	ug/l	95
7) Trichlorofluoromethane	3.00	101	250955	52.916	ug/l	97
8) Diethyl Ether	3.39	74	109648	53.586	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	169067	52.492	ug/l	99
10) Methyl Iodide	3.93	142	171047	47.895	ug/l	98
11) Tert butyl alcohol	4.76	59	164285	304.081	ug/l	98
12) 1,1-Dichloroethene	3.72	96	162519	51.767	ug/l	98
13) Acrolein	3.59	56	72172	420.002	ug/l	99
14) Allyl chloride	4.30	41	301223	52.724	ug/l	97
15) Acrylonitrile	4.96	53	487328	309.497	ug/l	100
16) Acetone	3.80	43	409531	247.028	ug/l	98
17) Carbon Disulfide	4.03	76	417935	50.502	ug/l	98
18) Methyl Acetate	4.30	43	244782	58.706	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	604399	54.564	ug/l	99
20) Methylene Chloride	4.53	84	249238	65.146	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	179820	51.508	ug/l	96
22) Diisopropyl ether	5.93	45	689412	56.075	ug/l	97
23) Vinyl Acetate	5.87	43	2812216	303.363	ug/l	99
24) 1,1-Dichloroethane	5.83	63	380821	55.038	ug/l	99
25) 2-Butanone	6.82	43	660936	290.374	ug/l	97
26) 2,2-Dichloropropane	6.81	77	218168	38.353	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	219937	53.903	ug/l	97
28) Bromochloromethane	7.18	49	155367	56.174	ug/l	97
29) Tetrahydrofuran	7.19	42	443558	307.034	ug/l	99
30) Chloroform	7.36	83	390241	55.657	ug/l	98
31) Cyclohexane	7.64	56	340553	50.598	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	323223	56.137	ug/l	99
36) 1,1-Dichloropropene	7.78	75	284254	50.514	ug/l	99
37) Ethyl Acetate	6.91	43	282335	59.178	ug/l	98
38) Carbon Tetrachloride	7.76	117	268243	52.810	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	333453	50.743	ug/l	99
40) Benzene	8.03	78	845947	52.299	ug/l	100
41) Methacrylonitrile	7.16	41	107531m	48.992	ug/l	
42) 1,2-Dichloroethane	8.11	62	330029	52.443	ug/l	100
43) Isopropyl Acetate	8.15	43	483243	53.864	ug/l	99
44) Trichloroethene	8.82	130	203040	50.836	ug/l	94
45) 1,2-Dichloropropane	9.11	63	233376	53.797	ug/l	98
46) Dibromomethane	9.20	93	147555	53.710	ug/l	98
47) Bromodichloromethane	9.39	83	302303	58.077	ug/l	98
48) Methyl methacrylate	9.19	41	230596	56.447	ug/l	99
49) 1,4-Dioxane	9.19	88	78918	1444.745	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1469299	318.831	ug/l	98
52) Toluene	10.15	92	524088	51.476	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	309415	54.614	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	334870	53.248	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	204903	55.272	ug/l	99
56) Ethyl methacrylate	10.43	69	326337	58.013	ug/l	98
57) 1,3-Dichloropropane	10.71	76	368039	55.658	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	706854	315.131	ug/l	98
59) 2-Hexanone	10.75	43	1048501	312.463	ug/l	100
60) Dibromochloromethane	10.90	129	210671	54.932	ug/l	100
61) 1,2-Dibromoethane	11.00	107	210673	55.617	ug/l	99
64) Tetrachloroethene	10.63	164	175707	51.565	ug/l	98
65) Chlorobenzene	11.44	112	556925	52.239	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	198864	55.364	ug/l	99
67) Ethyl Benzene	11.51	91	1043679	54.048	ug/l	99
68) m/p-Xylenes	11.63	106	752123	103.523	ug/l	96
69) o-Xylene	11.95	106	365252	52.225	ug/l	96
70) Styrene	11.97	104	628225	55.292	ug/l	99
71) Bromoform	12.13	173	136307	54.844	ug/l	# 99
73) Isopropylbenzene	12.26	105	1008244	52.633	ug/l	100
74) N-amyl acetate	12.07	43	419698	55.073	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	317280	56.012	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	275378m	58.165	ug/l	
77) Bromobenzene	12.53	156	228552	50.884	ug/l	96
78) n-propylbenzene	12.60	91	1179557	54.656	ug/l	99
79) 2-Chlorotoluene	12.68	91	698108	52.408	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	861860	53.747	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.31	75	76506	49.078	ug/l	91
82) 4-Chlorotoluene	12.78	91	716571	52.718	ug/l	100
83) tert-Butylbenzene	13.00	119	716087	52.922	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	869626	54.128	ug/l	100
85) sec-Butylbenzene	13.18	105	989915	55.584	ug/l	100
86) p-Isopropyltoluene	13.30	119	880180	56.146	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	421524	51.755	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	412482	50.903	ug/l	99
89) n-Butylbenzene	13.62	91	794894	55.976	ug/l	99
90) Hexachloroethane	13.88	117	141034	59.877	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	410812	52.496	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	58908	58.973	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	241887	55.936	ug/l	99
94) Hexachlorobutadiene	15.02	225	120653	54.283	ug/l	99
95) Naphthalene	15.14	128	672658	53.117	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	232786	53.695	ug/l	99

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

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