

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102919\
 Data File : VN058996.D
 Acq On : 29 Oct 2019 9:36
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 3:53:35 PM

Quant Time: Oct 30 03:07:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	424601	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	664786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	619359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	303906	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	274297	44.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.10%	
35) Dibromofluoromethane	7.57	113	213201	48.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.56%	
50) Toluene-d8	10.08	98	810171	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	12.40	95	313513	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	230509	43.542	ug/l	100
3) Chloromethane	2.04	50	292869	44.668	ug/l	99
4) Vinyl Chloride	2.17	62	303904	46.682	ug/l	96
5) Bromomethane	2.54	94	172046	42.202	ug/l	98
6) Chloroethane	2.68	64	183458	43.944	ug/l	97
7) Trichlorofluoromethane	3.00	101	371225	46.086	ug/l	99
8) Diethyl Ether	3.38	74	145360	52.220	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	216689	48.524	ug/l	98
10) Methyl Iodide	3.93	142	265888	45.271	ug/l	98
11) Tert butyl alcohol	4.74	59	239674	231.924	ug/l	100
12) 1,1-Dichloroethene	3.71	96	205619	49.123	ug/l	96
13) Acrolein	3.58	56	170184	239.673	ug/l	99
14) Allyl chloride	4.29	41	434007	51.241	ug/l	95
15) Acrylonitrile	4.95	53	671850	258.457	ug/l	99
16) Acetone	3.79	43	788582	256.264	ug/l	99
17) Carbon Disulfide	4.03	76	585148	43.397	ug/l	99
18) Methyl Acetate	4.29	43	356728	50.989	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	777011	53.014	ug/l	100
20) Methylene Chloride	4.52	84	252279	48.012	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	228901	49.518	ug/l	99
22) Diisopropyl ether	5.92	45	889742	53.705	ug/l	94
23) Vinyl Acetate	5.86	43	3667512	275.535	ug/l	99
24) 1,1-Dichloroethane	5.82	63	476615	49.614	ug/l	100
25) 2-Butanone	6.81	43	993498	248.712	ug/l	98
26) 2,2-Dichloropropane	6.80	77	411440	49.516	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	269317	51.001	ug/l	99
28) Bromochloromethane	7.17	49	160463	50.156	ug/l	100
29) Tetrahydrofuran	7.18	42	605054	247.606	ug/l	100
30) Chloroform	7.35	83	456841	47.409	ug/l	100
31) Cyclohexane	7.63	56	413640	46.220	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	394597	48.582	ug/l	98
36) 1,1-Dichloropropene	7.77	75	344919	50.678	ug/l	100
37) Ethyl Acetate	6.90	43	382254	51.545	ug/l	99
38) Carbon Tetrachloride	7.75	117	339999	48.492	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	399184	52.234	ug/l	99
40) Benzene	8.02	78	1036688	51.871	ug/l	99
41) Methacrylonitrile	7.15	41	169748m	51.393	ug/l	
42) 1,2-Dichloroethane	8.10	62	373505	48.515	ug/l	99
43) Isopropyl Acetate	8.14	43	623322	52.408	ug/l	100
44) Trichloroethene	8.82	130	252730	51.912	ug/l	96
45) 1,2-Dichloropropane	9.10	63	287875	52.528	ug/l	98
46) Dibromomethane	9.19	93	175666	50.703	ug/l	98
47) Bromodichloromethane	9.39	83	369403	51.732	ug/l	100
48) Methyl methacrylate	9.18	41	287456	53.271	ug/l	96
49) 1,4-Dioxane	9.18	88	90880	1025.945	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1908839	274.773	ug/l	98
52) Toluene	10.15	92	636254	53.684	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	427073	54.026	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	456691	54.076	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	252161	51.647	ug/l	99
56) Ethyl methacrylate	10.42	69	407208	49.666	ug/l	95
57) 1,3-Dichloropropane	10.70	76	443491	51.754	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	891286	257.191	ug/l	100
59) 2-Hexanone	10.75	43	1462683	272.475	ug/l	98
60) Dibromochloromethane	10.90	129	279658	53.215	ug/l	99
61) 1,2-Dibromoethane	11.00	107	260852	52.206	ug/l	100
64) Tetrachloroethene	10.63	164	221899	51.157	ug/l	98
65) Chlorobenzene	11.43	112	673381	53.403	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	255396	53.675	ug/l	99
67) Ethyl Benzene	11.51	91	1240666	56.089	ug/l	98
68) m/p-Xylenes	11.62	106	920394	112.202	ug/l	100
69) o-Xylene	11.95	106	442336	56.540	ug/l	98
70) Styrene	11.96	104	741283	51.286	ug/l	99
71) Bromoform	12.13	173	203518	55.158	ug/l #	99
73) Isopropylbenzene	12.25	105	1204568	54.236	ug/l	99
74) N-amyl acetate	12.07	43	548205	54.445	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	392911	50.312	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	362906m	51.525	ug/l	
77) Bromobenzene	12.53	156	287768	52.567	ug/l	97
78) n-propylbenzene	12.59	91	1447385	55.132	ug/l	100
79) 2-Chlorotoluene	12.68	91	845678	52.632	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1037529	55.601	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	141993	52.518	ug/l	96
82) 4-Chlorotoluene	12.77	91	875231	53.302	ug/l	100
83) tert-Butylbenzene	13.00	119	864873	54.200	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1047852	56.932	ug/l	99
85) sec-Butylbenzene	13.17	105	1190803	55.973	ug/l	98
86) p-Isopropyltoluene	13.29	119	1084107	57.752	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	526620	53.800	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	521691	53.233	ug/l	99
89) n-Butylbenzene	13.62	91	984832	57.112	ug/l	99
90) Hexachloroethane	13.88	117	199202	52.369	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	519166	53.962	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	80228	45.421	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	306634	50.597	ug/l	99
94) Hexachlorobutadiene	15.01	225	168595	54.066	ug/l	99
95) Naphthalene	15.13	128	829136	47.737	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	294243	49.908	ug/l	100

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

