

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091119\
 Data File : VN057923.D
 Acq On : 11 Sep 2019 14:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:06:28 AM

Quant Time: Sep 12 02:08:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	343073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	573871	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	543259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	332918	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	363681	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
35) Dibromofluoromethane	7.58	113	262710	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
50) Toluene-d8	10.09	98	1070782	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
62) 4-Bromofluorobenzene	12.40	95	384546	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	257704	54.316	ug/l	99
3) Chloromethane	2.03	50	223623	46.244	ug/l	98
4) Vinyl Chloride	2.16	62	230159	44.971	ug/l	100
5) Bromomethane	2.53	94	116862	41.287	ug/l	93
6) Chloroethane	2.67	64	144068	44.176	ug/l	98
7) Trichlorofluoromethane	2.99	101	289097	44.886	ug/l	98
8) Diethyl Ether	3.39	74	131063	48.789	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	195563	48.133	ug/l	98
10) Methyl Iodide	3.93	142	187455	41.460	ug/l	99
11) Tert butyl alcohol	4.77	59	225025	267.565	ug/l	99
12) 1,1-Dichloroethene	3.71	96	169783	46.476	ug/l	98
13) Acrolein	3.59	56	142681	199.971	ug/l	99
14) Allyl chloride	4.30	41	309643	43.312	ug/l	99
15) Acrylonitrile	4.97	53	599036	259.143	ug/l	100
16) Acetone	3.80	43	514396	225.820	ug/l	97
17) Carbon Disulfide	4.03	76	250621	44.098	ug/l	99
18) Methyl Acetate	4.30	43	335919	55.308	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	778674	51.219	ug/l	99
20) Methylene Chloride	4.53	84	226432	52.271	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	184591	46.743	ug/l	96
22) Diisopropyl ether	5.93	45	853613	50.915	ug/l	99
23) Vinyl Acetate	5.88	43	3055157	257.131	ug/l	99
24) 1,1-Dichloroethane	5.83	63	449774	49.087	ug/l	99
25) 2-Butanone	6.82	43	820912	248.993	ug/l	99
26) 2,2-Dichloropropane	6.81	77	165527	22.827	ug/l	93
27) cis-1,2-Dichloroethene	6.81	96	254568	48.102	ug/l	95
28) Bromochloromethane	7.18	49	232851	50.867	ug/l	98
29) Tetrahydrofuran	7.20	42	521514	256.704	ug/l	99
30) Chloroform	7.36	83	467134	48.759	ug/l	98
31) Cyclohexane	7.64	56	309972	49.626	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	366539	48.240	ug/l	99
36) 1,1-Dichloropropene	7.78	75	297373	44.682	ug/l	100
37) Ethyl Acetate	6.91	43	333123	48.445	ug/l	100
38) Carbon Tetrachloride	7.76	117	289696	47.676	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	305218	43.625	ug/l	98
40) Benzene	8.03	78	949168	47.371	ug/l	97
41) Methacrylonitrile	7.16	41	145807	46.713	ug/l	92
42) 1,2-Dichloroethane	8.11	62	387669	48.377	ug/l	100
43) Isopropyl Acetate	8.15	43	578958	50.067	ug/l	100
44) Trichloroethene	8.83	130	231769	47.160	ug/l	95
45) 1,2-Dichloropropane	9.11	63	277892	47.662	ug/l	99
46) Dibromomethane	9.20	93	174571	49.548	ug/l	99
47) Bromodichloromethane	9.40	83	346186	49.205	ug/l	100
48) Methyl methacrylate	9.19	41	289976	49.435	ug/l	99
49) 1,4-Dioxane	9.19	88	101661	1024.847	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1837093	268.463	ug/l	100
52) Toluene	10.15	92	599389	47.495	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	333628	45.031	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	364119	44.514	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	261151	48.852	ug/l	98
56) Ethyl methacrylate	10.43	69	407374	50.605	ug/l	99
57) 1,3-Dichloropropane	10.71	76	456742	49.578	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	973775	256.829	ug/l	99
59) 2-Hexanone	10.75	43	1340545	261.361	ug/l	99
60) Dibromochloromethane	10.90	129	250359	50.435	ug/l	100
61) 1,2-Dibromoethane	11.00	107	251901	49.843	ug/l	100
64) Tetrachloroethene	10.63	164	206473	51.475	ug/l	97
65) Chlorobenzene	11.43	112	677736	47.669	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	245825	49.829	ug/l	98
67) Ethyl Benzene	11.51	91	1234856	49.559	ug/l	100
68) m/p-Xylenes	11.62	106	909094	99.605	ug/l	98
69) o-Xylene	11.95	106	454579	50.099	ug/l	99
70) Styrene	11.97	104	795603	50.950	ug/l	100
71) Bromoform	12.13	173	157467	51.196	ug/l #	99
73) Isopropylbenzene	12.25	105	1248243	48.319	ug/l	99
74) N-amyl acetate	12.07	43	565126	50.266	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	411830	47.347	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	341961m	45.406	ug/l	
77) Bromobenzene	12.53	156	295547	45.887	ug/l	97
78) n-propylbenzene	12.59	91	1461401	49.264	ug/l	100
79) 2-Chlorotoluene	12.68	91	872255	46.523	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1071381	49.084	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	79947	37.356	ug/l	93
82) 4-Chlorotoluene	12.78	91	920107	47.788	ug/l	99
83) tert-Butylbenzene	13.00	119	925123	47.680	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1099903	49.580	ug/l	98
85) sec-Butylbenzene	13.18	105	1262846	49.106	ug/l	100
86) p-Isopropyltoluene	13.29	119	1132728	49.990	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	568520	48.089	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	559961	46.663	ug/l	100
89) n-Butylbenzene	13.62	91	1021957	47.758	ug/l	99
90) Hexachloroethane	13.88	117	167309	49.648	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	559573	47.378	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75976	52.892	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	347337	44.993	ug/l	98
94) Hexachlorobutadiene	15.01	225	148021	45.233	ug/l	98
95) Naphthalene	15.13	128	1083312	55.767	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	332170	49.302	ug/l	100

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

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