

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058449.D
 Acq On : 30 Sep 2019 20:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/2/2019 9:22:35 AM

Quant Time: Oct 01 05:25:14 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	412917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	708808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	650948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	316830	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	306366	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
35) Dibromofluoromethane	7.57	113	222154	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
50) Toluene-d8	10.08	98	871547	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.41	95	323652	52.60	ug/l	0.00
Spiked Amount			Recovery	=	105.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	227506	50.249	ug/l	99
3) Chloromethane	2.03	50	249925	50.210	ug/l	99
4) Vinyl Chloride	2.17	62	249095	51.085	ug/l	98
5) Bromomethane	2.54	94	131948	50.945	ug/l	98
6) Chloroethane	2.68	64	148945	50.980	ug/l	97
7) Trichlorofluoromethane	3.00	101	298479	50.725	ug/l	98
8) Diethyl Ether	3.39	74	126861	49.968	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	200874	50.266	ug/l	98
10) Methyl Iodide	3.93	142	223413	50.419	ug/l	99
11) Tert butyl alcohol	4.76	59	188583	281.324	ug/l #	83
12) 1,1-Dichloroethene	3.72	96	193867	49.770	ug/l	99
13) Acrolein	3.59	56	79818	374.366	ug/l	99
14) Allyl chloride	4.30	41	359320	50.689	ug/l	99
15) Acrylonitrile	4.96	53	527636	270.074	ug/l	100
16) Acetone	3.79	43	460707	223.973	ug/l	99
17) Carbon Disulfide	4.03	76	534187	52.025	ug/l	99
18) Methyl Acetate	4.30	43	250007	48.324	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	693239	50.440	ug/l	100
20) Methylene Chloride	4.53	84	235447	49.600	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	218384	50.417	ug/l	97
22) Diisopropyl ether	5.93	45	790387	51.814	ug/l	96
23) Vinyl Acetate	5.87	43	3239367	281.635	ug/l	100
24) 1,1-Dichloroethane	5.83	63	445642	51.909	ug/l	100
25) 2-Butanone	6.81	43	731751	259.104	ug/l	99
26) 2,2-Dichloropropane	6.81	77	328912	46.602	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	260538	51.463	ug/l	98
28) Bromochloromethane	7.18	49	181406	52.862	ug/l	98
29) Tetrahydrofuran	7.19	42	481304	268.515	ug/l	100
30) Chloroform	7.36	83	447480	51.437	ug/l	99
31) Cyclohexane	7.64	56	410282	49.130	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	376737	52.735	ug/l	99
36) 1,1-Dichloropropene	7.78	75	344337	50.805	ug/l	99
37) Ethyl Acetate	6.91	43	310083	53.963	ug/l	99
38) Carbon Tetrachloride	7.76	117	325177	53.153	ug/l	99

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39) Methylcyclohexane	9.07	83	409325	51.717	ug/l	97
40) Benzene	8.03	78	1001867	51.425	ug/l	99
41) Methacrylonitrile	7.16	41	135436m	51.233	ug/l	
42) 1,2-Dichloroethane	8.11	62	383083	50.542	ug/l	100
43) Isopropyl Acetate	8.15	43	535956	49.600	ug/l	100
44) Trichloroethene	8.82	130	245666	51.069	ug/l	97
45) 1,2-Dichloropropane	9.11	63	274741	52.583	ug/l	97
46) Dibromomethane	9.20	93	171993	51.979	ug/l	97
47) Bromodichloromethane	9.39	83	344906	55.015	ug/l	99
48) Methyl methacrylate	9.19	41	259533	52.747	ug/l	99
49) 1,4-Dioxane	9.19	88	88309	1342.269	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1580563	284.762	ug/l	99
52) Toluene	10.15	92	626157	51.063	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	373880	54.792	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	411693	54.352	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	235337	52.707	ug/l	99
56) Ethyl methacrylate	10.43	69	371074	54.769	ug/l	99
57) 1,3-Dichloropropane	10.71	76	425962	53.484	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	734259	271.788	ug/l	99
59) 2-Hexanone	10.75	43	1148177	284.091	ug/l	100
60) Dibromochloromethane	10.90	129	242369	52.446	ug/l	97
61) 1,2-Dibromoethane	11.00	107	245120	53.727	ug/l	98
64) Tetrachloroethene	10.63	164	201423	48.704	ug/l	98
65) Chlorobenzene	11.43	112	655528	50.662	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	229393	52.618	ug/l	99
67) Ethyl Benzene	11.51	91	1238690	52.852	ug/l	100
68) m/p-Xylenes	11.62	106	905337	102.670	ug/l	98
69) o-Xylene	11.95	106	430466	50.712	ug/l	96
70) Styrene	11.97	104	746848	54.158	ug/l	100
71) Bromoform	12.13	173	158173	52.466	ug/l #	100
73) Isopropylbenzene	12.25	105	1201079	51.296	ug/l	100
74) N-amyl acetate	12.07	43	489694	52.571	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	352777	50.952	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	311491m	53.827	ug/l	
77) Bromobenzene	12.53	156	269994	49.178	ug/l	97
78) n-propylbenzene	12.60	91	1427662	54.121	ug/l	99
79) 2-Chlorotoluene	12.68	91	825416	50.695	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1026584	52.376	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	98472	51.681	ug/l	98
82) 4-Chlorotoluene	12.78	91	852727	51.325	ug/l	99
83) tert-Butylbenzene	13.00	119	864724	52.284	ug/l	100
84) 1,2,4-Trimethylbenzene	13.05	105	1019319	51.906	ug/l	99
85) sec-Butylbenzene	13.18	105	1180304	54.220	ug/l	100
86) p-Isopropyltoluene	13.30	119	1053330	54.970	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	507075	50.936	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	498375	50.317	ug/l	99
89) n-Butylbenzene	13.62	91	946707	54.542	ug/l	100
90) Hexachloroethane	13.88	117	166823	57.945	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	497620	52.024	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	69158	56.642	ug/l	95

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93) 1,2,4-Trichlorobenzene	14.92	180	292235	55.288	ug/l	100
94) Hexachlorobutadiene	15.02	225	138247	50.886	ug/l	98
95) Naphthalene	15.13	128	788515	50.940	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	278652	52.584	ug/l	99

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

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