

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092719\
 Data File : VN058404.D
 Acq On : 27 Sep 2019 13:01
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/30/2019 10:18:44 AM

Quant Time: Sep 27 23:38:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	450946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	755642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	680492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	328002	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	940537	148.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.46%	
35) Dibromofluoromethane	7.57	113	691356	150.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.70%	
50) Toluene-d8	10.08	98	2612762	146.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.42%	
62) 4-Bromofluorobenzene	12.41	95	992909	150.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	673273	169.417	ug/l	99
3) Chloromethane	2.04	50	703145	181.776	ug/l	100
4) Vinyl Chloride	2.17	62	707274	178.827	ug/l	100
5) Bromomethane	2.53	94	388895	192.581	ug/l	100
6) Chloroethane	2.67	64	403187	157.342	ug/l	99
7) Trichlorofluoromethane	2.99	101	838493	155.417	ug/l	97
8) Diethyl Ether	3.39	74	371167	153.136	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	570177	148.788	ug/l	99
10) Methyl Iodide	3.93	142	730439	209.277	ug/l	99
11) Tert butyl alcohol	4.76	59	506600	679.324	ug/l	98
12) 1,1-Dichloroethene	3.72	96	564282	167.723	ug/l	99
13) Acrolein	3.58	56	169031	1292.006	ug/l	97
14) Allyl chloride	4.30	41	1068771	168.224	ug/l	98
15) Acrylonitrile	4.96	53	1454889	718.327	ug/l	100
16) Acetone	3.80	43	1389638	636.015	ug/l	99
17) Carbon Disulfide	4.03	76	1641712	270.246	ug/l	99
18) Methyl Acetate	4.30	43	709075	125.540	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	2006455	142.466	ug/l	100
20) Methylene Chloride	4.53	84	650773	148.728	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	631705	173.113	ug/l	99
22) Diisopropyl ether	5.93	45	2245877	144.930	ug/l	99
23) Vinyl Acetate	5.87	43	8020974	736.162	ug/l #	90
24) 1,1-Dichloroethane	5.83	63	1251241	148.817	ug/l	99
25) 2-Butanone	6.81	43	2042027	691.631	ug/l	99
26) 2,2-Dichloropropane	6.81	77	1040883	146.361	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	729323	152.475	ug/l	99
28) Bromochloromethane	7.18	49	560330	146.801	ug/l	100
29) Tetrahydrofuran	7.19	42	1307498	711.540	ug/l	100
30) Chloroform	7.36	83	1251099	139.984	ug/l	99
31) Cyclohexane	7.64	56	1145926	169.906	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	1079090	156.578	ug/l	99
36) 1,1-Dichloropropene	7.78	75	972735	166.585	ug/l	100
37) Ethyl Acetate	6.91	43	849709	146.750	ug/l	99
38) Carbon Tetrachloride	7.76	117	926142	161.483	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1131301	179.342	ug/l	99
40) Benzene	8.03	78	2718596	155.222	ug/l	99
41) Methacrylonitrile	7.16	41	351121m	128.364	ug/l	
42) 1,2-Dichloroethane	8.11	62	1062659	147.343	ug/l	100
43) Isopropyl Acetate	8.15	43	1505931	140.030	ug/l #	90
44) Trichloroethene	8.82	130	685061	159.533	ug/l	98
45) 1,2-Dichloropropane	9.11	63	737554	144.698	ug/l	99
46) Dibromomethane	9.20	93	472449	151.214	ug/l	99
47) Bromodichloromethane	9.39	83	971138	151.015	ug/l	100
48) Methyl methacrylate	9.19	41	715833	146.791	ug/l	99
49) 1,4-Dioxane	9.19	88	207473	2681.589	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	3690633	653.236	ug/l	92
52) Toluene	10.15	92	1707216	156.646	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	1102025	164.944	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	1193828	161.405	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	645316	138.069	ug/l	97
56) Ethyl methacrylate	10.43	69	1055539	155.445	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1151922	142.223	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	2071624	666.554	ug/l	100
59) 2-Hexanone	10.75	43	2838732	678.202	ug/l	95
60) Dibromochloromethane	10.90	129	699932	155.574	ug/l	98
61) 1,2-Dibromoethane	11.00	107	670466	151.695	ug/l	100
64) Tetrachloroethene	10.63	164	566380	160.760	ug/l	97
65) Chlorobenzene	11.43	112	1781163	144.421	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	652626	148.216	ug/l	99
67) Ethyl Benzene	11.51	91	3074023	144.268	ug/l	90
68) m/p-Xylenes	11.62	106	2438318	303.440	ug/l	82
69) o-Xylene	11.95	106	1183930	150.621	ug/l	96
70) Styrene	11.97	104	2025799	151.222	ug/l	99
71) Bromoform	12.13	173	458818	165.509	ug/l #	98
73) Isopropylbenzene	12.25	105	2988771	140.805	ug/l	96
74) N-amyl acetate	12.07	43	1362082	155.212	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	912809	131.776	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	751354m	126.190	ug/l	
77) Bromobenzene	12.53	156	736492	139.155	ug/l	98
78) n-propylbenzene	12.60	91	3337625	138.279	ug/l	93
79) 2-Chlorotoluene	12.68	91	2177240	145.130	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	2598303	145.230	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	298147	162.794	ug/l	98
82) 4-Chlorotoluene	12.78	91	2266156	144.458	ug/l	98
83) tert-Butylbenzene	13.00	119	2205347	139.565	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	2580785	144.872	ug/l	95
85) sec-Butylbenzene	13.18	105	2862311	138.527	ug/l	96
86) p-Isopropyltoluene	13.30	119	2614782	142.659	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	1362662	141.975	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1362917	139.496	ug/l	99
89) n-Butylbenzene	13.62	91	2430544	141.827	ug/l	96
90) Hexachloroethane	13.88	117	451846	159.233	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1325285	138.831	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	186372	149.753	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	853489	142.118	ug/l	100
94) Hexachlorobutadiene	15.02	225	376132	129.354	ug/l	100
95) Naphthalene	15.13	128	2310917	148.822	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	793988	140.763	ug/l	99

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

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