

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058156.D
 Acq On : 18 Sep 2019 10:49
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:14:29 PM

Quant Time: Sep 19 02:00:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	573329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	965146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	884216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	445226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	813337	74.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.52%	
35) Dibromofluoromethane	7.57	113	592751	71.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.24%	
50) Toluene-d8	10.08	98	2286362	71.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	142.00%	
62) 4-Bromofluorobenzene	12.40	95	875741	70.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	447308	61.069	ug/l	97
3) Chloromethane	2.04	50	356419	48.020	ug/l	99
4) Vinyl Chloride	2.17	62	391441	49.887	ug/l	98
5) Bromomethane	2.54	94	206888m	44.622	ug/l	
6) Chloroethane	2.68	64	249532	49.641	ug/l	99
7) Trichlorofluoromethane	3.00	101	577509	57.858	ug/l	99
8) Diethyl Ether	3.39	74	274226	64.637	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	427769	67.071	ug/l	100
10) Methyl Iodide	3.93	142	406327	60.093	ug/l	98
11) Tert butyl alcohol	4.76	59	488502	377.476	ug/l	99
12) 1,1-Dichloroethene	3.72	96	350747	61.330	ug/l	98
13) Acrolein	3.59	56	68963	70.475	ug/l	99
14) Allyl chloride	4.30	41	742533	66.023	ug/l	99
15) Acrylonitrile	4.96	53	1304082	358.795	ug/l	100
16) Acetone	3.79	43	1310306	366.759	ug/l	99
17) Carbon Disulfide	4.03	76	483355	46.363	ug/l	99
18) Methyl Acetate	4.30	43	681247	71.249	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	1751959	73.215	ug/l	99
20) Methylene Chloride	4.53	84	471336	60.695	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	384944	62.263	ug/l	97
22) Diisopropyl ether	5.93	45	1915922	72.648	ug/l	99
23) Vinyl Acetate	5.87	43	6574189	353.785	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	994118	69.070	ug/l	99
25) 2-Butanone	6.81	43	1916318	370.320	ug/l	98
26) 2,2-Dichloropropane	6.80	77	862792	75.538	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	558253	67.048	ug/l	98
28) Bromochloromethane	7.18	49	487571	67.833	ug/l #	99
29) Tetrahydrofuran	7.19	42	1131763	354.892	ug/l	99
30) Chloroform	7.36	83	1061556	70.348	ug/l	99
31) Cyclohexane	7.64	56	646500	60.978	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	858922	71.821	ug/l	100
36) 1,1-Dichloropropene	7.78	75	635672	60.605	ug/l	99
37) Ethyl Acetate	6.91	43	721624	66.375	ug/l	99
38) Carbon Tetrachloride	7.76	117	691341	71.891	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	666599	60.608	ug/l	98
40) Benzene	8.03	78	2017893	63.901	ug/l	100
41) Methacrylonitrile	7.16	41	386331	78.367	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	852484	67.277	ug/l	100
43) Isopropyl Acetate	8.15	43	1322111	72.286	ug/l	100
44) Trichloroethene	8.82	130	503760	64.856	ug/l	100
45) 1,2-Dichloropropane	9.11	63	619095	67.122	ug/l	98
46) Dibromomethane	9.20	93	378469	67.976	ug/l	99
47) Bromodichloromethane	9.40	83	855171	77.134	ug/l	100
48) Methyl methacrylate	9.19	41	632971	68.611	ug/l	100
49) 1,4-Dioxane	9.19	88	199294	1271.278	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	3519386	328.857	ug/l	93
52) Toluene	10.15	92	1300349	65.451	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	921839	79.118	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	968959	75.280	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	593996	70.493	ug/l	98
56) Ethyl methacrylate	10.43	69	924047	73.196	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1001992	68.979	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	2209753	375.198	ug/l	99
59) 2-Hexanone	10.75	43	2735860	341.928	ug/l	95
60) Dibromochloromethane	10.90	129	639409	81.838	ug/l	99
61) 1,2-Dibromoethane	11.00	107	559736	70.452	ug/l	99
64) Tetrachloroethene	10.63	164	397100	64.399	ug/l	99
65) Chlorobenzene	11.43	112	1494114	68.633	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	592228	78.203	ug/l	99
67) Ethyl Benzene	11.51	91	2557645	67.107	ug/l	94
68) m/p-Xylenes	11.62	106	1963975	140.729	ug/l	89
69) o-Xylene	11.95	106	991435	71.679	ug/l	95
70) Styrene	11.97	104	1781686	74.862	ug/l	100
71) Bromoform	12.13	173	416345	88.512	ug/l #	99
73) Isopropylbenzene	12.25	105	2664512	79.855	ug/l	96
74) N-amyl acetate	12.07	43	1260850	87.315	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	916726	81.649	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	765888m	79.278	ug/l	
77) Bromobenzene	12.53	156	665518	79.572	ug/l	98
78) n-propylbenzene	12.59	91	3007817	78.616	ug/l	95
79) 2-Chlorotoluene	12.68	91	1949810	80.434	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	2335535	82.750	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	274623	100.486	ug/l	96
82) 4-Chlorotoluene	12.78	91	2063558	82.881	ug/l	98
83) tert-Butylbenzene	13.00	119	2092875	83.452	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2351206	82.197	ug/l	97
85) sec-Butylbenzene	13.18	105	2713906	81.758	ug/l	97
86) p-Isopropyltoluene	13.29	119	2476029	84.769	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	1291501	84.533	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	1304176	83.806	ug/l	99
89) n-Butylbenzene	13.62	91	2387731	86.264	ug/l	95
90) Hexachloroethane	13.88	117	427564	97.874	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	1290177	84.297	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	182405	97.953	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	881756	87.193	ug/l	100
94) Hexachlorobutadiene	15.02	225	407369	93.950	ug/l	96
95) Naphthalene	15.13	128	2380092	82.145	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	837524	84.669	ug/l	99

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

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