

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058265.D
 Acq On : 20 Sep 2019 20:45
 Operator : JC/SP
 Sample : K4974-03MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE132D2-20190916MS

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 3:30:54 PM

Quant Time: Sep 23 07:18:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	432489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	758185	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	703071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	345702	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	336339	55.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.68%	
35) Dibromofluoromethane	7.58	113	243634	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	10.08	98	963169	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	
62) 4-Bromofluorobenzene	12.41	95	351567	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	173943	48.959	ug/l	100
3) Chloromethane	2.04	50	144930	52.984	ug/l	98
4) Vinyl Chloride	2.17	62	155501	51.962	ug/l	98
5) Bromomethane	2.54	94	77208	48.723	ug/l	100
6) Chloroethane	2.68	64	105077	54.950	ug/l	97
7) Trichlorofluoromethane	3.00	101	231942	47.829	ug/l	100
8) Diethyl Ether	3.39	74	111893	50.357	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	183556	52.499	ug/l	98
10) Methyl Iodide	3.93	142	146537	50.017	ug/l	100
11) Tert butyl alcohol	4.76	59	213674	298.204	ug/l	99
12) 1,1-Dichloroethene	3.72	96	138479	52.206	ug/l	92
13) Acrolein	3.59	56	47036	442.950	ug/l	97
14) Allyl chloride	4.30	41	282314	49.345	ug/l	100
15) Acrylonitrile	4.96	53	546738	286.392	ug/l	99
16) Acetone	3.80	43	492424	240.830	ug/l	99
17) Carbon Disulfide	4.03	76	169537	45.418	ug/l	97
18) Methyl Acetate	4.30	43	277808	51.635	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	705506	53.499	ug/l	100
20) Methylene Chloride	4.53	84	192122	53.684	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	147286	50.949	ug/l	99
22) Diisopropyl ether	5.93	45	781102	53.747	ug/l	99
23) Vinyl Acetate	5.87	43	2687193	270.224	ug/l	100
24) 1,1-Dichloroethane	5.83	63	402737	51.922	ug/l	99
25) 2-Butanone	6.81	43	768680	275.943	ug/l	100
26) 2,2-Dichloropropane	6.81	77	282006	42.855	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	226129	51.559	ug/l	99
28) Bromochloromethane	7.18	49	203769	55.533	ug/l #	99
29) Tetrahydrofuran	7.19	42	491358	286.358	ug/l	99
30) Chloroform	7.35	83	433867	51.965	ug/l	99
31) Cyclohexane	7.64	56	253230	50.532	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	336541	52.948	ug/l	99
36) 1,1-Dichloropropene	7.78	75	251325	45.966	ug/l	99
37) Ethyl Acetate	6.91	43	292327	51.518	ug/l	99
38) Carbon Tetrachloride	7.76	117	266859	48.553	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	248535	47.017	ug/l	97
40) Benzene	8.03	78	822198	49.233	ug/l	100
41) Methacrylonitrile	7.15	41	151987	53.112	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	349128	49.822	ug/l	100
43) Isopropyl Acetate	8.15	43	516356	48.726	ug/l #	92
44) Trichloroethene	8.82	130	208156	50.935	ug/l	99
45) 1,2-Dichloropropane	9.11	63	257869	51.705	ug/l	98
46) Dibromomethane	9.20	93	155199	51.184	ug/l	98
47) Bromodichloromethane	9.40	83	335008	52.738	ug/l	99
48) Methyl methacrylate	9.19	41	260670	54.176	ug/l	99
49) 1,4-Dioxane	9.19	88	90349	1143.702	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1707693	303.387	ug/l	100
52) Toluene	10.15	92	523349	50.004	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	334188	51.358	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	362143	50.409	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	248044	53.405	ug/l	99
56) Ethyl methacrylate	10.43	69	365653	54.564	ug/l	99
57) 1,3-Dichloropropane	10.71	76	414950	51.969	ug/l	100
59) 2-Hexanone	10.75	43	1251431	299.355	ug/l	98
60) Dibromochloromethane	10.90	129	245729	54.993	ug/l	100
61) 1,2-Dibromoethane	11.00	107	227423	52.836	ug/l	98
64) Tetrachloroethene	10.63	164	151762	44.280	ug/l	100
65) Chlorobenzene	11.43	112	611653	49.460	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	237582	52.983	ug/l	100
67) Ethyl Benzene	11.51	91	1086550	51.277	ug/l	100
68) m/p-Xylenes	11.62	106	786654	98.569	ug/l	96
69) o-Xylene	11.95	106	405094	51.622	ug/l	97
70) Stvrene	11.97	104	698169	51.636	ug/l	100
71) Bromoform	12.13	173	158476	47.836	ug/l #	99
73) Isopropylbenzene	12.25	105	1146808	52.998	ug/l	99
74) N-amyl acetate	12.07	43	481319	53.170	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	389754	53.787	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	356402m	57.605	ug/l	
77) Bromobenzene	12.53	156	267511	49.147	ug/l	97
78) n-propylbenzene	12.60	91	1315588	53.503	ug/l	99
79) 2-Chlorotoluene	12.68	91	793131	51.611	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	976163	53.348	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	93790	45.682	ug/l	96
82) 4-Chlorotoluene	12.78	91	829874	51.373	ug/l	99
83) tert-Butylbenzene	13.00	119	856322	52.477	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	985835	54.138	ug/l	99
85) sec-Butylbenzene	13.18	105	1163432	54.523	ug/l	99
86) p-Isopropyltoluene	13.30	119	1027684	54.174	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	507315	51.029	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	504757	49.732	ug/l	100
89) n-Butylbenzene	13.62	91	921057	51.212	ug/l	100
90) Hexachloroethane	13.88	117	164644	49.523	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	519288	52.071	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75158	57.612	ug/l	95
93) 1,2,4-Trichlorobenzene	14.92	180	306038	48.031	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	140767	45.708	ug/l	99
95) Naphthalene	15.13	128	856326	51.858	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	290989	48.318	ug/l	99

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

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