

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100719\
 Data File : VX012878.D
 Acq On : 08 Oct 2019 07:56
 Operator : JC/SP
 Sample : K5122-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-MMW3414MSD

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 2:07:30 PM

Quant Time: Oct 08 13:26:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	155112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	274300	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	114924	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	108081	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
35) Dibromofluoromethane	5.49	113	84995	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
50) Toluene-d8	8.71	98	321117	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
62) 4-Bromofluorobenzene	11.14	95	126603	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	65345	37.448	ug/l	99
3) Chloromethane	1.31	50	77932	38.893	ug/l	100
4) Vinyl Chloride	1.40	62	84944	42.650	ug/l	98
5) Bromomethane	1.62	94	30012	38.327	ug/l	99
6) Chloroethane	1.70	64	56788	42.296	ug/l	99
7) Trichlorofluoromethane	1.92	101	122397	43.771	ug/l	100
8) Diethyl Ether	2.18	74	52908	46.170	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	77222	45.341	ug/l	98
10) Methyl Iodide	2.50	142	76466	43.349	ug/l	93
11) Tert butyl alcohol	3.04	59	136254	241.480	ug/l	99
12) 1,1-Dichloroethene	2.36	96	79381	47.598	ug/l	94
13) Acrolein	2.28	56	75088	239.345	ug/l	98
14) Allyl chloride	2.72	41	145046	43.837	ug/l	95
15) Acrylonitrile	3.13	53	280544	245.073	ug/l	98
16) Acetone	2.44	43	245924	205.552	ug/l	98
17) Carbon Disulfide	2.56	76	198421	42.439	ug/l	99
18) Methyl Acetate	2.77	43	121924	43.279	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	311648	49.370	ug/l	98
20) Methylene Chloride	2.84	84	96591	47.733	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	88501	47.900	ug/l	96
22) Diisopropyl ether	3.84	45	304557	47.636	ug/l	93
23) Vinyl Acetate	3.80	43	1136566	202.714	ug/l	97
24) 1,1-Dichloroethane	3.69	63	168787	48.567	ug/l	99
25) 2-Butanone	4.66	43	383597	223.611	ug/l	96
26) 2,2-Dichloropropane	4.57	77	83356	26.968	ug/l	91
27) cis-1,2-Dichloroethene	4.58	96	105644	49.279	ug/l	88
28) Bromochloromethane	5.01	49	63582	50.386	ug/l	96
29) Tetrahydrofuran	5.12	42	248700	237.857	ug/l	95
30) Chloroform	5.20	83	170798	48.037	ug/l	98
31) Cyclohexane	5.57	56	138824	44.155	ug/l	96
32) 1,1,1-Trichloroethane	5.48	97	147083	46.675	ug/l	99
36) 1,1-Dichloropropene	5.79	75	121973	46.133	ug/l	97
37) Ethyl Acetate	4.82	43	129810	41.995	ug/l	96
38) Carbon Tetrachloride	5.77	117	123203	45.872	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	138063	43.375	ug/l	94
40) Benzene	6.13	78	375152	48.224	ug/l	96
41) Methacrylonitrile	5.03	41	81100	46.762	ug/l	95
42) 1,2-Dichloroethane	6.19	62	139183	47.115	ug/l	98
43) Isopropyl Acetate	6.44	43	223513	43.239	ug/l	96
44) Trichloroethene	7.21	130	97479	49.016	ug/l	98
45) 1,2-Dichloropropane	7.51	63	100182	50.300	ug/l	99
46) Dibromomethane	7.65	93	65840	48.553	ug/l	99
47) Bromodichloromethane	7.89	83	132023	48.713	ug/l	99
48) Methyl methacrylate	7.76	41	116808	47.126	ug/l	91
49) 1,4-Dioxane	7.73	88	54529	969.932	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	759766	238.106	ug/l	95
52) Toluene	8.78	92	238443	48.768	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	135548	45.204	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	147754	45.129	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	99285	51.076	ug/l	98
56) Ethyl methacrylate	9.17	69	163889	50.185	ug/l	91
57) 1,3-Dichloropropane	9.37	76	170286	50.054	ug/l	99
59) 2-Hexanone	9.49	43	588752	241.053	ug/l	93
60) Dibromochloromethane	9.58	129	102627	52.155	ug/l	99
61) 1,2-Dibromoethane	9.67	107	103879	51.348	ug/l	99
64) Tetrachloroethene	9.33	164	78449	45.740	ug/l	95
65) Chlorobenzene	10.14	112	252331	48.711	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	97089	51.729	ug/l	99
67) Ethyl Benzene	10.25	91	463151	49.296	ug/l	100
68) m/p-Xylenes	10.36	106	345597	98.195	ug/l	99
69) o-Xylene	10.70	106	169739	49.842	ug/l	100
70) Stvrene	10.71	104	296159	51.875	ug/l	98
71) Bromoform	10.86	173	71686	54.853	ug/l #	98
73) Isopropylbenzene	11.01	105	446823	47.737	ug/l	100
74) N-amyl acetate	10.89	43	186972	41.871	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.26	83	158994	51.289	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	144870m	47.654	ug/l	
77) Bromobenzene	11.25	156	105779	49.932	ug/l	100
78) n-propylbenzene	11.35	91	499261	47.378	ug/l	99
79) 2-Chlorotoluene	11.42	91	313095	47.628	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	380089	48.423	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	40640	38.311	ug/l	97
82) 4-Chlorotoluene	11.51	91	361300	48.213	ug/l	99
83) tert-Butylbenzene	11.76	119	371031	49.002	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	388354	49.046	ug/l	97
85) sec-Butylbenzene	11.94	105	429308	48.748	ug/l	100
86) p-Isopropyltoluene	12.06	119	393367	49.502	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	193204	50.678	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	194350	50.449	ug/l	99
89) n-Butylbenzene	12.39	91	318392	45.469	ug/l	99
90) Hexachloroethane	12.59	117	68680	48.479	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	194850	51.051	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	39449	50.873	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	118498	50.908	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	49654	49.586	ug/l	98
95) Naphthalene	13.83	128	424388	50.393	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	121051	51.915	ug/l	99

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

