

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091619\
 Data File : VX012425.D
 Acq On : 16 Sep 2019 22:59
 Operator : JC/SP
 Sample : K4830-14MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0281MSD

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 12:14:35 PM

Quant Time: Sep 17 05:47:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 04:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	112435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	187114	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	176021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102130	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	114575	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	5.49	113	82795	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
50) Toluene-d8	8.71	98	309822	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.14	95	125525	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	53497	49.289	ug/l	96
3) Chloromethane	1.32	50	47028	54.474	ug/l	99
4) Vinyl Chloride	1.40	62	49930	52.957	ug/l	100
5) Bromomethane	1.63	94	16240	40.426	ug/l	99
6) Chloroethane	1.71	64	41597	66.591	ug/l	98
7) Trichlorofluoromethane	1.92	101	92509	53.434	ug/l	100
8) Diethyl Ether	2.18	74	39535	52.425	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	63112	50.619	ug/l	99
10) Methyl Iodide	2.50	142	45197	37.925	ug/l	99
11) Tert butyl alcohol	3.03	59	137979	237.357	ug/l	99
12) 1,1-Dichloroethene	2.36	96	52519	53.526	ug/l	95
13) Acrolein	2.28	56	54440	217.336	ug/l	99
14) Allyl chloride	2.72	41	123384	54.529	ug/l	99
15) Acrylonitrile	3.13	53	254385	264.578	ug/l	99
16) Acetone	2.44	43	239637	231.589	ug/l	97
17) Carbon Disulfide	2.56	76	76325	52.193	ug/l	97
18) Methyl Acetate	2.76	43	110448	47.937	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	286357	54.001	ug/l	99
20) Methylene Chloride	2.84	84	70217	49.737	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	55468	52.584	ug/l	89
22) Diisopropyl ether	3.84	45	286505	55.145	ug/l	98
23) Vinyl Acetate	3.80	43	1123899	262.072	ug/l	99
24) 1,1-Dichloroethane	3.69	63	139289	53.579	ug/l	99
25) 2-Butanone	4.66	43	378863	256.999	ug/l	99
26) 2,2-Dichloropropane	4.58	77	113669	45.839	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	79937	51.709	ug/l	97
28) Bromochloromethane	5.00	49	66972	50.304	ug/l	95
29) Tetrahydrofuran	5.11	42	230938	270.097	ug/l	98
30) Chloroform	5.20	83	152055	50.617	ug/l	99
31) Cyclohexane	5.57	56	85450	53.987	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	132669	53.165	ug/l	99
36) 1,1-Dichloropropene	5.79	75	84749	49.014	ug/l	99
37) Ethyl Acetate	4.82	43	127936	48.056	ug/l	99
38) Carbon Tetrachloride	5.78	117	107945	51.155	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	92402	55.635	ug/l	96
40) Benzene	6.13	78	278085	52.193	ug/l	99
41) Methacrylonitrile	5.03	41	81400	53.552	ug/l	99
42) 1,2-Dichloroethane	6.18	62	125723	51.825	ug/l	99
43) Isopropyl Acetate	6.43	43	229216	50.181	ug/l	99
44) Trichloroethene	7.20	130	71551	50.000	ug/l	99
45) 1,2-Dichloropropane	7.51	63	82213	50.490	ug/l	97
46) Dibromomethane	7.65	93	55396	50.996	ug/l	95
47) Bromodichloromethane	7.89	83	124743	51.437	ug/l	97
48) Methyl methacrylate	7.76	41	112569	49.696	ug/l	99
49) 1,4-Dioxane	7.73	88	45896	880.634	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	771460	260.648	ug/l	99
52) Toluene	8.78	92	180669	52.091	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	129552	51.511	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	133587	51.385	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	88109	48.347	ug/l	96
56) Ethyl methacrylate	9.17	69	147828	53.915	ug/l	97
57) 1,3-Dichloropropane	9.37	76	144933	50.066	ug/l	99
59) 2-Hexanone	9.49	43	589539	258.366	ug/l	98
60) Dibromochloromethane	9.58	129	98909	47.362	ug/l	100
61) 1,2-Dibromoethane	9.67	107	85910	51.246	ug/l	98
64) Tetrachloroethene	9.33	164	53663	45.976	ug/l	97
65) Chlorobenzene	10.14	112	209867	51.066	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	88493	50.753	ug/l	99
67) Ethyl Benzene	10.25	91	367017	52.329	ug/l	100
68) m/p-Xylenes	10.35	106	266794	103.053	ug/l	100
69) o-Xylene	10.70	106	137288	51.137	ug/l	96
70) Styrene	10.71	104	248521	53.351	ug/l	99
71) Bromoform	10.85	173	69040	45.480	ug/l	100
73) Isopropylbenzene	11.01	105	386932	54.532	ug/l	98
74) N-amyl acetate	10.89	43	201658	53.616	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	151468	53.236	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	144226m	54.629	ug/l	
77) Bromobenzene	11.25	156	92203	50.468	ug/l	94
78) n-propylbenzene	11.35	91	436035	54.376	ug/l	100
79) 2-Chlorotoluene	11.42	91	276606	53.732	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	334424	54.126	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	46071	49.262	ug/l	99
82) 4-Chlorotoluene	11.51	91	325944	54.295	ug/l	99
83) tert-Butylbenzene	11.76	119	354130	54.035	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	351630	56.087	ug/l	100
85) sec-Butylbenzene	11.94	105	399492	55.137	ug/l	100
86) p-Isopropyltoluene	12.06	119	367504	55.363	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	176434	51.589	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	174550	50.463	ug/l	99
89) n-Butylbenzene	12.39	91	322355	54.990	ug/l	99
90) Hexachloroethane	12.59	117	70209	54.710	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	181507	51.846	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	41667	55.441	ug/l	96
93) 1,2,4-Trichlorobenzene	13.64	180	121127	51.708	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	52176	46.253	ug/l	99
95) Naphthalene	13.83	128	452466	52.303	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	123376	52.806	ug/l	97

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

