

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091919\
 Data File : VX012540.D
 Acq On : 19 Sep 2019 19:50
 Operator : JC/SP
 Sample : K4887-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0157MSD

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 10:46:02 AM

Quant Time: Sep 20 07:00:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	182311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	310551	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	280432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	135016	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	127154	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
35) Dibromofluoromethane	5.49	113	93793	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	8.71	98	346461	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	11.13	95	139699	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	53876	44.338	ug/l	98
3) Chloromethane	1.32	50	49884	49.770	ug/l	98
4) Vinyl Chloride	1.40	62	54541	50.347	ug/l	97
5) Bromomethane	1.63	94	19690	46.264	ug/l	100
6) Chloroethane	1.71	64	38700	45.652	ug/l	99
7) Trichlorofluoromethane	1.92	101	101409	51.066	ug/l	99
8) Diethyl Ether	2.18	74	44842	49.993	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	68259	47.507	ug/l	98
10) Methyl Iodide	2.50	142	59682	48.546	ug/l	97
11) Tert butyl alcohol	3.03	59	142533	214.270	ug/l	99
12) 1,1-Dichloroethene	2.36	96	57549	50.208	ug/l	99
13) Acrolein	2.28	56	57346	249.943	ug/l	99
14) Allyl chloride	2.72	41	133218	49.922	ug/l	99
15) Acrylonitrile	3.13	53	285857	252.466	ug/l	100
16) Acetone	2.44	43	263658	219.881	ug/l	99
17) Carbon Disulfide	2.56	76	70822	43.918	ug/l	99
18) Methyl Acetate	2.76	43	123180	45.242	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	316315	50.615	ug/l	92
20) Methylene Chloride	2.85	84	77929	49.281	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	59134	49.682	ug/l	91
22) Diisopropyl ether	3.84	45	315365	50.473	ug/l	99
23) Vinyl Acetate	3.80	43	1192342	231.984	ug/l	100
24) 1,1-Dichloroethane	3.69	63	152078	50.871	ug/l	99
25) 2-Butanone	4.66	43	418914	231.130	ug/l	99
26) 2,2-Dichloropropane	4.57	77	118363	40.258	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	92727	52.151	ug/l	95
28) Bromochloromethane	5.00	49	78836	51.152	ug/l	98
29) Tetrahydrofuran	5.12	42	256965	256.638	ug/l	99
30) Chloroform	5.20	83	168639	49.118	ug/l	98
31) Cyclohexane	5.57	56	263326	145.917	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	141691	49.377	ug/l	99
36) 1,1-Dichloropropene	5.79	75	90953	48.190	ug/l	97
37) Ethyl Acetate	4.82	43	136451	47.099	ug/l	99
38) Carbon Tetrachloride	5.78	117	115382	49.153	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	263535	143.633	ug/l	99
40) Benzene	6.14	78	303496	50.568	ug/l	99
41) Methacrylonitrile	5.03	41	93351	50.042	ug/l	97
42) 1,2-Dichloroethane	6.18	62	137325	49.332	ug/l	100
43) Isopropyl Acetate	6.43	43	248444	47.779	ug/l	100
44) Trichloroethene	7.21	130	81285	51.486	ug/l	97
45) 1,2-Dichloropropane	7.51	63	93463	50.687	ug/l	97
46) Dibromomethane	7.65	93	59238	49.645	ug/l	99
47) Bromodichloromethane	7.89	83	135154	50.870	ug/l	98
48) Methyl methacrylate	7.76	41	129365	52.778	ug/l	94
49) 1,4-Dioxane	7.73	88	49081	822.728	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	862953	253.066	ug/l	100
52) Toluene	8.78	92	198197	51.248	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	138626	50.194	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	142714	49.914	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	96408	48.387	ug/l	100
56) Ethyl methacrylate	9.17	69	162064	52.024	ug/l	98
57) 1,3-Dichloropropane	9.37	76	162038	50.972	ug/l	99
59) 2-Hexanone	9.49	43	648227	243.661	ug/l	99
60) Dibromochloromethane	9.58	129	106649	52.549	ug/l	98
61) 1,2-Dibromoethane	9.67	107	94556	51.962	ug/l	99
64) Tetrachloroethene	9.33	164	73769	57.406	ug/l	91
65) Chlorobenzene	10.14	112	230621	49.826	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	98869	51.469	ug/l	99
67) Ethyl Benzene	10.24	91	705923	88.772	ug/l	98
68) m/p-Xylenes	10.35	106	918917	317.595	ug/l	99
69) o-Xylene	10.70	106	154974	52.082	ug/l	99
70) Stvrene	10.71	104	273061	51.867	ug/l	100
71) Bromoform	10.85	173	75457	45.873	ug/l #	99
73) Isopropylbenzene	11.01	105	789853	93.237	ug/l	100
74) N-amyl acetate	10.89	43	215502	47.250	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	165420	49.778	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	154715m	49.885	ug/l	
77) Bromobenzene	11.25	156	105581	51.103	ug/l	100
78) n-propylbenzene	11.35	91	838391	88.796	ug/l	99
79) 2-Chlorotoluene	11.42	91	400305m	65.170	ug/l	
80) 1,3,5-Trimethylbenzene	11.50	105	888746	123.013	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	47874	42.850	ug/l	96
82) 4-Chlorotoluene	11.51	91	406002	57.592	ug/l	92
83) tert-Butylbenzene	11.77	119	381983	49.341	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	1901038	256.267	ug/l	99
85) sec-Butylbenzene	11.94	105	460740	54.009	ug/l	98
86) p-Isopropyltoluene	12.06	119	415081	52.989	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	193174	49.705	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	197625	49.503	ug/l	99
89) n-Butylbenzene	12.38	91	359692	51.463	ug/l	95
90) Hexachloroethane	12.59	117	79122	55.087	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	201330	49.565	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	45347	52.635	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	134973	51.587	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	53488	43.375	ug/l	97
95) Naphthalene	13.83	128	719262	77.260	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	140594	52.732	ug/l	98

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

