

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091919\
 Data File : VX012539.D
 Acq On : 19 Sep 2019 19:27
 Operator : JC/SP
 Sample : K4887-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-0157MS

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 10:45:49 AM

Quant Time: Sep 20 06:58:30 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	183455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	314057	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	287449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	137313	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	125609	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
35) Dibromofluoromethane	5.49	113	89812	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
50) Toluene-d8	8.71	98	335859	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
62) 4-Bromofluorobenzene	11.13	95	137382	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	57416	46.934	ug/l	95
3) Chloromethane	1.32	50	52168	51.724	ug/l	98
4) Vinyl Chloride	1.40	62	55269	50.701	ug/l	95
5) Bromomethane	1.63	94	19638	45.854	ug/l	96
6) Chloroethane	1.71	64	38522	45.158	ug/l	99
7) Trichlorofluoromethane	1.92	101	103555	51.821	ug/l	97
8) Diethyl Ether	2.18	74	45056	49.919	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	71100	49.176	ug/l	99
10) Methyl Iodide	2.50	142	59153	47.882	ug/l	97
11) Tert butyl alcohol	3.04	59	143625	214.574	ug/l	98
12) 1,1-Dichloroethene	2.36	96	59008	51.160	ug/l	96
13) Acrolein	2.28	56	57846	250.554	ug/l	99
14) Allyl chloride	2.72	41	134346	50.031	ug/l	100
15) Acrylonitrile	3.13	53	296642	260.357	ug/l	98
16) Acetone	2.44	43	270054	223.958	ug/l	99
17) Carbon Disulfide	2.56	76	70394	43.403	ug/l	99
18) Methyl Acetate	2.77	43	124899	45.587	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	319862	50.863	ug/l	92
20) Methylene Chloride	2.84	84	79343	49.862	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	60738	50.711	ug/l	95
22) Diisopropyl ether	3.84	45	320428	50.964	ug/l	99
23) Vinyl Acetate	3.80	43	1226624	237.166	ug/l	100
24) 1,1-Dichloroethane	3.69	63	156039	51.870	ug/l	99
25) 2-Butanone	4.66	43	429433	235.456	ug/l	97
26) 2,2-Dichloropropane	4.57	77	120075	40.586	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	93962	52.516	ug/l	97
28) Bromochloromethane	5.00	49	79605	51.329	ug/l	99
29) Tetrahydrofuran	5.12	42	263991	262.011	ug/l	99
30) Chloroform	5.20	83	169585	49.086	ug/l	99
31) Cyclohexane	5.57	56	275929	151.947	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	144321	49.980	ug/l	99
36) 1,1-Dichloropropene	5.79	75	91499	47.938	ug/l	96
37) Ethyl Acetate	4.83	43	140183	47.847	ug/l	99
38) Carbon Tetrachloride	5.78	117	116625	49.128	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	274965	148.189	ug/l	99
40) Benzene	6.13	78	308722	50.864	ug/l	98
41) Methacrylonitrile	5.03	41	95224	50.476	ug/l	98
42) 1,2-Dichloroethane	6.19	62	140727	49.989	ug/l	100
43) Isopropyl Acetate	6.44	43	253294	48.168	ug/l	100
44) Trichloroethene	7.20	130	81998	51.357	ug/l	92
45) 1,2-Dichloropropane	7.51	63	94635	50.750	ug/l	99
46) Dibromomethane	7.65	93	60974	50.529	ug/l	99
47) Bromodichloromethane	7.89	83	134208	49.950	ug/l	99
48) Methyl methacrylate	7.76	41	132691	53.530	ug/l	95
49) 1,4-Dioxane	7.73	88	52004	861.994	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	877914	254.579	ug/l	100
52) Toluene	8.78	92	200880	51.362	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	139485	49.942	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	143773	49.723	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	98699	48.984	ug/l	98
56) Ethyl methacrylate	9.17	69	166023	52.700	ug/l	98
57) 1,3-Dichloropropane	9.37	76	165732	51.552	ug/l	100
59) 2-Hexanone	9.49	43	664807	247.104	ug/l	99
60) Dibromochloromethane	9.58	129	105031	51.174	ug/l	98
61) 1,2-Dibromoethane	9.67	107	95828	52.073	ug/l	99
64) Tetrachloroethene	9.33	164	76995	58.454	ug/l	93
65) Chlorobenzene	10.14	112	233909	49.303	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	99934	50.753	ug/l	98
67) Ethyl Benzene	10.25	91	721712	88.542	ug/l	98
68) m/p-Xylenes	10.36	106	941741	317.538	ug/l	99
69) o-Xylene	10.70	106	156676	51.369	ug/l	99
70) Stvrene	10.71	104	278623	51.631	ug/l	99
71) Bromoform	10.86	173	75902	45.071	ug/l #	100
73) Isopropylbenzene	11.01	105	799646	92.814	ug/l	100
74) N-amyl acetate	10.89	43	215418	46.441	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	167924	49.686	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	161119m	51.081	ug/l	
77) Bromobenzene	11.25	156	106354	50.616	ug/l	99
78) n-propylbenzene	11.35	91	852135	88.742	ug/l	100
79) 2-Chlorotoluene	11.42	91	408056m	65.321	ug/l	
80) 1,3,5-Trimethylbenzene	11.50	105	886873	120.701	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	48699	42.858	ug/l	97
82) 4-Chlorotoluene	11.51	91	411356	57.375	ug/l	92
83) tert-Butylbenzene	11.77	119	384318	48.812	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	1915422	253.886	ug/l	99
85) sec-Butylbenzene	11.94	105	469215	54.083	ug/l	99
86) p-Isopropyltoluene	12.06	119	424318	53.262	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	197155	49.881	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	201969	49.745	ug/l	99
89) n-Butylbenzene	12.39	91	366083	51.502	ug/l	95
90) Hexachloroethane	12.59	117	80595	55.173	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	208054	50.363	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	46560	53.139	ug/l	96
93) 1,2,4-Trichlorobenzene	13.64	180	138359	51.997	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	55035	43.883	ug/l	98
95) Naphthalene	13.83	128	735352	77.667	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	140883	51.957	ug/l	97

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

