

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091619\
 Data File : VX012424.D
 Acq On : 16 Sep 2019 22:35
 Operator : JC/SP
 Sample : K4830-13MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0282MSD

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 12:02:57 PM

Quant Time: Sep 17 05:46:09 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	116598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	189141	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	179201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	107644	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	121210	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	5.49	113	88658	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	8.71	98	324971	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	11.14	95	135713	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	56607	50.282	ug/l	99
3) Chloromethane	1.32	50	46654	52.112	ug/l	99
4) Vinyl Chloride	1.40	62	51281	52.448	ug/l	99
5) Bromomethane	1.62	94	16119	38.693	ug/l	96
6) Chloroethane	1.71	64	45186	69.754	ug/l	98
7) Trichlorofluoromethane	1.92	101	96094	53.523	ug/l	99
8) Diethyl Ether	2.18	74	39788	50.877	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	65101	50.350	ug/l	99
10) Methyl Iodide	2.50	142	38401	31.072	ug/l	100
11) Tert butyl alcohol	3.03	59	134608	223.291	ug/l	99
12) 1,1-Dichloroethene	2.36	96	54164	53.231	ug/l	96
13) Acrolein	2.28	56	56121	216.047	ug/l	99
14) Allyl chloride	2.72	41	126485	53.904	ug/l	99
15) Acrylonitrile	3.13	53	259409	260.170	ug/l	99
16) Acetone	2.44	43	243203	226.644	ug/l	98
17) Carbon Disulfide	2.56	76	75825	50.063	ug/l	100
18) Methyl Acetate	2.76	43	116231	48.645	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	291862	53.074	ug/l #	85
20) Methylene Chloride	2.84	84	71712	48.983	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	56269	51.439	ug/l	94
22) Diisopropyl ether	3.85	45	292796	54.344	ug/l	92
23) Vinyl Acetate	3.80	43	1195416	268.796	ug/l	98
24) 1,1-Dichloroethane	3.69	63	141105	52.340	ug/l	99
25) 2-Butanone	4.66	43	384105	251.252	ug/l	98
26) 2,2-Dichloropropane	4.58	77	115993	45.106	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	82104	51.214	ug/l	98
28) Bromochloromethane	5.00	49	74770	54.157	ug/l	95
29) Tetrahydrofuran	5.11	42	233680	263.546	ug/l	98
30) Chloroform	5.20	83	154438	49.574	ug/l	97
31) Cyclohexane	5.57	56	170095	103.628	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	134627	52.024	ug/l	99
36) 1,1-Dichloropropene	5.79	75	86905	49.722	ug/l	99
37) Ethyl Acetate	4.82	43	134580	50.009	ug/l	99
38) Carbon Tetrachloride	5.78	117	109571	51.369	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	253710	151.120	ug/l	96
40) Benzene	6.14	78	280734	52.125	ug/l	99
41) Methacrylonitrile	5.03	41	84966	55.299	ug/l	98
42) 1,2-Dichloroethane	6.19	62	128278	52.312	ug/l	99
43) Isopropyl Acetate	6.44	43	239600	51.892	ug/l	99
44) Trichloroethene	7.21	130	71384	49.349	ug/l	100
45) 1,2-Dichloropropane	7.51	63	85210	51.769	ug/l	94
46) Dibromomethane	7.65	93	55399	50.452	ug/l	95
47) Bromodichloromethane	7.89	83	127398	51.969	ug/l	100
48) Methyl methacrylate	7.76	41	123292	53.725	ug/l	97
49) 1,4-Dioxane	7.73	88	43893	833.175	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	793072	265.079	ug/l	98
52) Toluene	8.78	92	183970	52.475	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	131170	51.596	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	134687	51.253	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	88026	47.784	ug/l	97
56) Ethyl methacrylate	9.17	69	160601	57.946	ug/l	89
57) 1,3-Dichloropropane	9.37	76	147785	50.504	ug/l	100
59) 2-Hexanone	9.49	43	589144	255.426	ug/l	100
60) Dibromochloromethane	9.58	129	97874	46.401	ug/l	99
61) 1,2-Dibromoethane	9.67	107	85396	50.394	ug/l	98
64) Tetrachloroethene	9.33	164	54607	45.954	ug/l	97
65) Chlorobenzene	10.14	112	214174	51.189	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	91861	51.749	ug/l	98
67) Ethyl Benzene	10.25	91	403624	56.527	ug/l	100
68) m/p-Xylenes	10.36	106	305592	115.945	ug/l	99
69) o-Xylene	10.70	106	145731	53.319	ug/l	97
70) Styrene	10.71	104	253904	53.539	ug/l	99
71) Bromoform	10.85	173	68738	44.523	ug/l #	100
73) Isopropylbenzene	11.01	105	973996	130.239	ug/l	99
74) N-amyl acetate	10.89	43	219637	55.404	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	155094	51.718	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	144184m	51.815	ug/l	
77) Bromobenzene	11.25	156	96794	50.267	ug/l	97
78) n-propylbenzene	11.35	91	1091563	129.150	ug/l	100
79) 2-Chlorotoluene	11.42	91	291115	53.654	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	340915	52.350	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	47582	48.271	ug/l	97
82) 4-Chlorotoluene	11.51	91	327936	51.829	ug/l	99
83) tert-Butylbenzene	11.77	119	380206	55.043	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	1853682	280.527	ug/l	99
85) sec-Butylbenzene	11.94	105	517367	67.748	ug/l	97
86) p-Isopropyltoluene	12.06	119	406852	58.151	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	176690	49.017	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	179523	49.242	ug/l	98
89) n-Butylbenzene	12.39	91	382978	61.985	ug/l	95
90) Hexachloroethane	12.59	117	87339	64.572	ug/l	81
91) 1,2-Dichlorobenzene	12.39	146	184430	49.982	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	45495	57.433	ug/l	89
93) 1,2,4-Trichlorobenzene	13.64	180	127481	51.633	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	57389	48.269	ug/l	96
95) Naphthalene	13.83	128	815198	89.155	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	128737	52.278	ug/l	96

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

