

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
 Data File : VX011414.D
 Acq On : 09 Aug 2019 16:52
 Operator : JC/SP
 Sample : K4279-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 K4779-05MSD

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 12:50:43 PM

Quant Time: Aug 11 00:50:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	170684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	255629	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	236681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	96231	55.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.96%	
35) Dibromofluoromethane	5.49	113	83760	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	8.71	98	307050	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.13	95	121174	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	61067	46.324	ug/l	100
3) Chloromethane	1.32	50	65298	44.109	ug/l	99
4) Vinyl Chloride	1.40	62	72804	44.710	ug/l	99
5) Bromomethane	1.63	94	49357	42.500	ug/l	100
6) Chloroethane	1.71	64	48296	47.791	ug/l	100
7) Trichlorofluoromethane	1.92	101	131672	45.477	ug/l	97
8) Diethyl Ether	2.18	74	46479	44.957	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	74415	47.500	ug/l	97
10) Methyl Iodide	2.50	142	99725	50.491	ug/l	97
11) Tert butyl alcohol	3.04	59	90045	262.706	ug/l	100
12) 1,1-Dichloroethene	2.37	96	73933	47.608	ug/l	93
13) Acrolein	2.29	56	51692	242.662	ug/l	96
14) Allyl chloride	2.72	41	111433	53.825	ug/l	96
15) Acrylonitrile	3.14	53	220929	270.106	ug/l	99
16) Acetone	2.43	43	187123	228.714	ug/l	92
17) Carbon Disulfide	2.56	76	168403	46.211	ug/l	99
18) Methyl Acetate	2.76	43	103439	55.324	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	252866	55.254	ug/l	# 71
20) Methylene Chloride	2.85	84	85179	47.538	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	79998	48.698	ug/l	90
22) Diisopropyl ether	3.85	45	242550	53.306	ug/l	98
23) Vinyl Acetate	3.81	43	1073720	284.510	ug/l	98
24) 1,1-Dichloroethane	3.69	63	139952	52.162	ug/l	98
25) 2-Butanone	4.67	43	306264	263.153	ug/l	98
26) 2,2-Dichloropropane	4.57	77	107858	51.714	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	95164	50.294	ug/l	96
28) Bromochloromethane	5.01	49	60654	49.588	ug/l	97
29) Tetrahydrofuran	5.12	42	193962	271.809	ug/l	97
30) Chloroform	5.20	83	154662	53.037	ug/l	98
31) Cyclohexane	5.57	56	294923	133.235	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	137627	55.094	ug/l	99
36) 1,1-Dichloropropene	5.79	75	107946	48.366	ug/l	98
37) Ethyl Acetate	4.82	43	116958	52.243	ug/l	99
38) Carbon Tetrachloride	5.78	117	120103	53.488	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	197583	74.686	ug/l	98
40) Benzene	6.13	78	376135	56.476	ug/l	97
41) Methacrylonitrile	5.03	41	64540	52.787	ug/l	97
42) 1,2-Dichloroethane	6.18	62	123672	54.914	ug/l	97
43) Isopropyl Acetate	6.44	43	189182	52.855	ug/l	100
44) Trichloroethene	7.21	130	94619	46.936	ug/l	100
45) 1,2-Dichloropropane	7.51	63	86079	49.905	ug/l	94
46) Dibromomethane	7.66	93	63189	50.183	ug/l	96
47) Bromodichloromethane	7.90	83	117140	54.947	ug/l	98
48) Methyl methacrylate	7.76	41	96301	57.171	ug/l	98
49) 1,4-Dioxane	7.73	88	42171	863.572	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	628758	272.201	ug/l	99
52) Toluene	8.78	92	220041	49.970	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	125285	50.436	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	134693	54.087	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	90824	50.165	ug/l	98
56) Ethyl methacrylate	9.18	69	144255	55.911	ug/l	98
57) 1,3-Dichloropropane	9.37	76	146449	51.147	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	321956	253.789	ug/l	99
59) 2-Hexanone	9.49	43	487317	272.371	ug/l	99
60) Dibromochloromethane	9.58	129	101812	54.926	ug/l	97
61) 1,2-Dibromoethane	9.67	107	100756	51.509	ug/l	99
64) Tetrachloroethene	9.34	164	93865	46.699	ug/l	95
65) Chlorobenzene	10.13	112	250003	49.264	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	95149	54.766	ug/l	98
67) Ethyl Benzene	10.25	91	1953991	229.910	ug/l	99
68) m/p-Xylenes	10.36	106	371602	113.039	ug/l	96
69) o-Xylene	10.69	106	168743	52.243	ug/l	97
70) Styrene	10.71	104	284553	53.243	ug/l	98
71) Bromoform	10.85	173	76986	49.584	ug/l #	99
73) Isopropylbenzene	11.02	105	619953	70.261	ug/l	100
74) N-amyl acetate	10.90	43	179370	56.260	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	150556	51.202	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	124224m	52.873	ug/l	
77) Bromobenzene	11.25	156	120963	49.439	ug/l	95
78) n-propylbenzene	11.36	91	714725	72.839	ug/l	99
79) 2-Chlorotoluene	11.42	91	302904	51.792	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	383859	51.969	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	42280	48.229	ug/l	97
82) 4-Chlorotoluene	11.51	91	352849	51.768	ug/l	98
83) tert-Butylbenzene	11.77	119	374991	51.764	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1538083	209.150	ug/l	99
85) sec-Butylbenzene	11.94	105	465597	53.494	ug/l	99
86) p-Isopropyltoluene	12.06	119	424741	53.045	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	218878	50.629	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	222386	49.886	ug/l	99
89) n-Butylbenzene	12.38	91	370540	53.714	ug/l	98
90) Hexachloroethane	12.59	117	71295	60.226	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	217525	50.077	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	33107	58.114	ug/l	93

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	151766	52.683	ug/l	99
94) Hexachlorobutadiene	13.78	225	71564	48.965	ug/l	97
95) Naphthalene	13.83	128	1026118	121.804	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	152681	52.134	ug/l	98

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

