

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX120919\
 Data File : VX013867.D
 Acq On : 09 Dec 2019 21:37
 Operator : JC/SP
 Sample : K6185-09MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D2-20191204MSD

Manual Integrations
 APPROVED

apatel
 12/11/2019 8:54:39 AM

Quant Time: Dec 10 05:04:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	548010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	858691	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	776433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	381527	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	286843	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	
35) Dibromofluoromethane	5.48	113	238255	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	
50) Toluene-d8	8.71	98	906532	43.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.66%	
62) 4-Bromofluorobenzene	11.14	95	326219	43.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	276584	45.344	ug/l	98
3) Chloromethane	1.32	50	310444	45.358	ug/l	100
4) Vinyl Chloride	1.40	62	364670	47.339	ug/l	97
5) Bromomethane	1.63	94	236459	45.707	ug/l	99
6) Chloroethane	1.71	64	203739	46.478	ug/l	99
7) Trichlorofluoromethane	1.92	101	393268	45.975	ug/l	99
8) Diethyl Ether	2.18	74	183538	47.428	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1283411	245.638	ug/l	99
10) Methyl Iodide	2.50	142	288669	45.674	ug/l	98
11) Tert butyl alcohol	3.04	59	395277	251.746	ug/l	99
12) 1,1-Dichloroethene	2.36	96	252794	48.472	ug/l	98
13) Acrolein	2.28	56	306344	290.736	ug/l	100
14) Allyl chloride	2.72	41	442861	46.792	ug/l	99
15) Acrylonitrile	3.13	53	823573	254.107	ug/l	99
16) Acetone	2.44	43	710822	226.334	ug/l	98
17) Carbon Disulfide	2.56	76	613200	41.245	ug/l	99
18) Methyl Acetate	2.76	43	438347	50.124	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	839584	48.596	ug/l	100
20) Methylene Chloride	2.85	84	280960	46.566	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	259873	45.741	ug/l	98
22) Diisopropyl ether	3.84	45	911066	49.993	ug/l	98
23) Vinyl Acetate	3.80	43	3482216	229.691	ug/l	99
24) 1,1-Dichloroethane	3.69	63	494046	49.591	ug/l	98
25) 2-Butanone	4.66	43	1162554	249.074	ug/l	100
26) 2,2-Dichloropropane	4.57	77	316598	38.410	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	341573	52.352	ug/l	98
28) Bromochloromethane	5.00	49	200955	51.044	ug/l	97
29) Tetrahydrofuran	5.12	42	746989	259.608	ug/l	99
30) Chloroform	5.20	83	474994	47.013	ug/l	96
31) Cyclohexane	5.57	56	425019	45.231	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	398886	47.244	ug/l	99
36) 1,1-Dichloropropene	5.79	75	352061	45.166	ug/l	99
37) Ethyl Acetate	4.82	43	412980	47.227	ug/l	99
38) Carbon Tetrachloride	5.78	117	343362	47.772	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	414042	42.972	ug/l	99
40) Benzene	6.14	78	1106631	46.614	ug/l	100
41) Methacrylonitrile	5.03	41	247592	51.628	ug/l	98
42) 1,2-Dichloroethane	6.19	62	382627	47.259	ug/l	100
43) Isopropyl Acetate	6.43	43	671015	46.610	ug/l	100
44) Trichloroethene	7.21	130	1029563	158.019	ug/l	99
45) 1,2-Dichloropropane	7.51	63	291345	49.050	ug/l	97
46) Dibromomethane	7.65	93	187885	46.574	ug/l	99
47) Bromodichloromethane	7.89	83	368937	48.377	ug/l	98
48) Methyl methacrylate	7.76	41	349480	49.963	ug/l	100
49) 1,4-Dioxane	7.73	88	165191	1055.057	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2295717	253.514	ug/l	100
52) Toluene	8.78	92	687531	46.617	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	400034	46.083	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	438201	46.205	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	288645	48.566	ug/l	99
56) Ethyl methacrylate	9.17	69	467776	48.954	ug/l	99
57) 1,3-Dichloropropane	9.37	76	483904	47.236	ug/l	100
59) 2-Hexanone	9.49	43	1782864	252.434	ug/l	98
60) Dibromochloromethane	9.57	129	295614	47.928	ug/l	98
61) 1,2-Dibromoethane	9.67	107	297522	46.871	ug/l	99
64) Tetrachloroethene	9.33	164	339793	58.684	ug/l	99
65) Chlorobenzene	10.14	112	745089	46.220	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	277335	47.910	ug/l	99
67) Ethyl Benzene	10.25	91	1301237	46.974	ug/l	98
68) m/p-Xylenes	10.35	106	993841	93.710	ug/l	99
69) o-Xylene	10.70	106	486129	46.999	ug/l	100
70) Stvrene	10.71	104	822533	47.273	ug/l	99
71) Bromoform	10.85	173	232859	48.617	ug/l #	98
73) Isopropylbenzene	11.01	105	1271846	47.523	ug/l	100
74) N-amyl acetate	10.89	43	568954	46.409	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	471239	50.774	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	421898m	49.165	ug/l	
77) Bromobenzene	11.25	156	335564	46.413	ug/l	98
78) n-propylbenzene	11.35	91	1410505	47.213	ug/l	100
79) 2-Chlorotoluene	11.42	91	840989	46.927	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1037263	47.289	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	142460	45.418	ug/l	100
82) 4-Chlorotoluene	11.51	91	959404	46.221	ug/l	99
83) tert-Butylbenzene	11.76	119	1078051	48.361	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1059685	47.602	ug/l	100
85) sec-Butylbenzene	11.94	105	1204382	47.301	ug/l	100
86) p-Isopropyltoluene	12.06	119	1092510	46.122	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	568766	45.129	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	571229	44.498	ug/l	99
89) n-Butylbenzene	12.39	91	907099	44.899	ug/l	100
90) Hexachloroethane	12.59	117	202834	47.374	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	583650	46.871	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	100888	49.917	ug/l	98
93) 1,2,4-Trichlorobenzene	13.64	180	366629	42.246	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	173739	41.675	ug/l	99
95) Naphthalene	13.83	128	1179509	45.639	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	383305	44.608	ug/l	100

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

