

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121719\
 Data File : VX014066.D
 Acq On : 17 Dec 2019 20:52
 Operator : JC/SP
 Sample : K6251-15MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D-20191207MSD

Manual Integrations
 APPROVED

apatel
 12/18/2019 11:04:35 AM

Quant Time: Dec 18 08:02:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	509931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	809306	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	732965	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	347429	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	286810	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
35) Dibromofluoromethane	5.48	113	239901	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	8.71	98	912918	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
62) 4-Bromofluorobenzene	11.13	95	314617	44.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	212211	46.517	ug/l	100
3) Chloromethane	1.32	50	310832	50.771	ug/l	99
4) Vinyl Chloride	1.40	62	319842	49.510	ug/l	99
5) Bromomethane	1.63	94	215304	46.958	ug/l	99
6) Chloroethane	1.71	64	199322	49.992	ug/l	97
7) Trichlorofluoromethane	1.92	101	413088	51.656	ug/l	99
8) Diethyl Ether	2.18	74	189428	50.472	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	216464	44.904	ug/l	100
10) Methyl Iodide	2.50	142	332886	52.240	ug/l	98
11) Tert butyl alcohol	3.03	59	384690	308.051	ug/l	100
12) 1,1-Dichloroethene	2.36	96	249560	50.877	ug/l	99
13) Acrolein	2.28	56	236879	331.371	ug/l	98
14) Allyl chloride	2.72	41	431107	49.224	ug/l	98
15) Acrylonitrile	3.13	53	834360	286.254	ug/l	100
16) Acetone	2.43	43	743491	198.156	ug/l	99
17) Carbon Disulfide	2.56	76	661873	48.625	ug/l	100
18) Methyl Acetate	2.76	43	340719	45.827	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	843865	52.353	ug/l	99
20) Methylene Chloride	2.84	84	290361	49.143	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	269625	49.893	ug/l	99
22) Diisopropyl ether	3.84	45	923076	52.890	ug/l	93
23) Vinyl Acetate	3.80	43	3183257	223.505	ug/l	100
24) 1,1-Dichloroethane	3.69	63	515417	53.081	ug/l	100
25) 2-Butanone	4.65	43	1198770	259.147	ug/l	98
26) 2,2-Dichloropropane	4.57	77	192488	25.532	ug/l	94
27) cis-1,2-Dichloroethene	4.58	96	363352	59.452	ug/l	92
28) Bromochloromethane	5.00	49	197779	52.936	ug/l	98
29) Tetrahydrofuran	5.11	42	768999	297.215	ug/l	99
30) Chloroform	5.20	83	481488	52.308	ug/l	99
31) Cyclohexane	5.57	56	419524	48.578	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	398309	50.772	ug/l	99
36) 1,1-Dichloropropene	5.79	75	351967	47.398	ug/l	98
37) Ethyl Acetate	4.82	43	370886	45.229	ug/l	99
38) Carbon Tetrachloride	5.77	117	334142	49.394	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	385316	42.023	ug/l	98
40) Benzene	6.14	78	1114335	48.771	ug/l	100
41) Methacrylonitrile	5.03	41	247614	54.422	ug/l	99
42) 1,2-Dichloroethane	6.18	62	389504	50.290	ug/l	99
43) Isopropyl Acetate	6.43	43	637649	46.986	ug/l	100
44) Trichloroethene	7.20	130	573811	90.923	ug/l	98
45) 1,2-Dichloropropane	7.51	63	297103	50.733	ug/l	96
46) Dibromomethane	7.65	93	189237	48.875	ug/l	99
47) Bromodichloromethane	7.89	83	370400	50.795	ug/l	99
48) Methyl methacrylate	7.76	41	357013	53.724	ug/l	99
49) 1,4-Dioxane	7.73	88	162127	1198.862	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2329442	273.319	ug/l	99
52) Toluene	8.78	92	692924	47.980	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	372879	46.634	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	410403	46.072	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	284787	49.202	ug/l	98
56) Ethyl methacrylate	9.17	69	470819	51.783	ug/l	99
57) 1,3-Dichloropropane	9.37	76	489496	50.264	ug/l	100
59) 2-Hexanone	9.48	43	1806493	263.303	ug/l	100
60) Dibromochloromethane	9.57	129	297116	51.642	ug/l	99
61) 1,2-Dibromoethane	9.67	107	301448	50.902	ug/l	100
64) Tetrachloroethene	9.33	164	337642	52.058	ug/l	98
65) Chlorobenzene	10.14	112	738462	47.384	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.21	131	275109	49.439	ug/l	100
67) Ethyl Benzene	10.25	91	1308252	48.827	ug/l	100
68) m/p-Xylenes	10.35	106	989558	96.025	ug/l	99
69) o-Xylene	10.70	106	484357	47.924	ug/l	98
70) Styrene	10.71	104	820142	47.988	ug/l	98
71) Bromoform	10.85	173	233104	52.114	ug/l #	100
73) Isopropylbenzene	11.01	105	1254241	51.274	ug/l	100
74) N-amyl acetate	10.89	43	502227	43.801	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	464117	54.727	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	417900m	55.405	ug/l	
77) Bromobenzene	11.25	156	331752	49.292	ug/l	99
78) n-propylbenzene	11.35	91	1384484	50.459	ug/l	99
79) 2-Chlorotoluene	11.42	91	840580	50.398	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1025291	49.803	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	123305	46.142	ug/l	99
82) 4-Chlorotoluene	11.51	91	951108	49.161	ug/l	100
83) tert-Butylbenzene	11.76	119	1037532	51.787	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	1042381	50.560	ug/l	100
85) sec-Butylbenzene	11.94	105	1156021	48.878	ug/l	100
86) p-Isopropyltoluene	12.06	119	1055801	48.801	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	557080	47.228	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	552891	46.098	ug/l	99
89) n-Butylbenzene	12.39	91	853420	46.230	ug/l	99
90) Hexachloroethane	12.59	117	197545	50.835	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	571176	48.102	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	100882	53.755	ug/l	99
93) 1,2,4-Trichlorobenzene	13.64	180	343185	44.467	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	154300	41.600	ug/l	97
95) Naphthalene	13.83	128	1122251	49.493	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	357531	46.929	ug/l	98

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

