

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080919\
 Data File : VX011404.D
 Acq On : 09 Aug 2019 12:58
 Operator : JC/SP
 Sample : K4251-04MSD 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-MW-K-0819MSD

Manual Integrations
 APPROVED

MMDadoda
 8/12/2019 12:50:03 PM

Quant Time: Aug 11 00:23:21 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	163513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	240383	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	120737	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	91277	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	
35) Dibromofluoromethane	5.49	113	80620	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
50) Toluene-d8	8.71	98	299965	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.13	95	113762	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	58003	45.929	ug/l	98
3) Chloromethane	1.32	50	62646	44.174	ug/l	98
4) Vinyl Chloride	1.40	62	70555	45.229	ug/l	96
5) Bromomethane	1.63	94	48287	43.402	ug/l	98
6) Chloroethane	1.71	64	46426	47.965	ug/l	99
7) Trichlorofluoromethane	1.92	101	128488	46.323	ug/l	98
8) Diethyl Ether	2.18	74	44889	45.323	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	72142	48.069	ug/l	99
10) Methyl Iodide	2.50	142	94827	50.116	ug/l	98
11) Tert butyl alcohol	3.04	59	86442	263.255	ug/l	100
12) 1,1-Dichloroethene	2.36	96	69668	46.829	ug/l	89
13) Acrolein	2.29	56	56184	275.373	ug/l	100
14) Allyl chloride	2.72	41	106823	53.861	ug/l	96
15) Acrylonitrile	3.14	53	212554	271.263	ug/l	99
16) Acetone	2.44	43	177144	226.013	ug/l	96
17) Carbon Disulfide	2.56	76	161108	46.148	ug/l	99
18) Methyl Acetate	2.76	43	98329	54.897	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	236655	53.979	ug/l	99
20) Methylene Chloride	2.85	84	79398	46.255	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	76611	48.681	ug/l	94
22) Diisopropyl ether	3.85	45	228887	52.509	ug/l	99
23) Vinyl Acetate	3.81	43	1023910	283.210	ug/l	97
24) 1,1-Dichloroethane	3.69	63	130991	50.963	ug/l	98
25) 2-Butanone	4.67	43	295114	264.694	ug/l	99
26) 2,2-Dichloropropane	4.57	77	106990	53.547	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	90835	50.111	ug/l	98
28) Bromochloromethane	5.01	49	62432	53.280	ug/l	98
29) Tetrahydrofuran	5.12	42	184888	270.456	ug/l	99
30) Chloroform	5.20	83	146439	52.420	ug/l	95
31) Cyclohexane	5.57	56	103850	48.973	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	128099	53.528	ug/l	99
36) 1,1-Dichloropropene	5.79	75	103474	49.302	ug/l	98
37) Ethyl Acetate	4.82	43	112517	53.447	ug/l	99
38) Carbon Tetrachloride	5.78	117	113479	53.743	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	113195	45.501	ug/l	98
40) Benzene	6.13	78	312045	49.824	ug/l	96
41) Methacrylonitrile	5.04	41	60333	52.476	ug/l	97
42) 1,2-Dichloroethane	6.19	62	115236	54.413	ug/l	97
43) Isopropyl Acetate	6.44	43	180604	53.659	ug/l	100
44) Trichloroethene	7.21	130	89860	47.402	ug/l	96
45) 1,2-Dichloropropane	7.51	63	80377	49.555	ug/l	94
46) Dibromomethane	7.66	93	58688	49.565	ug/l	97
47) Bromodichloromethane	7.89	83	109440	54.591	ug/l	97
48) Methyl methacrylate	7.76	41	88327	55.763	ug/l	97
49) 1,4-Dioxane	7.74	88	41733	908.804	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	602425	277.342	ug/l	99
52) Toluene	8.78	92	207465	50.102	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	117976	50.502	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	125353	53.529	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	87615	51.462	ug/l	99
56) Ethyl methacrylate	9.18	69	130810	53.916	ug/l	97
57) 1,3-Dichloropropane	9.37	76	139638	51.861	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	160254	134.336	ug/l	99
59) 2-Hexanone	9.49	43	462575	274.940	ug/l	99
60) Dibromochloromethane	9.58	129	95748	54.931	ug/l	98
61) 1,2-Dibromoethane	9.67	107	95209	51.761	ug/l	99
64) Tetrachloroethene	9.34	164	89430	46.540	ug/l	98
65) Chlorobenzene	10.13	112	235224	48.484	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	88248	53.131	ug/l	99
67) Ethyl Benzene	10.25	91	419676	51.652	ug/l	97
68) m/p-Xylenes	10.35	106	339294	107.960	ug/l	97
69) o-Xylene	10.69	106	153819	49.814	ug/l	97
70) Styrene	10.71	104	262196	51.317	ug/l	98
71) Bromoform	10.85	173	72849	49.107	ug/l #	100
73) Isopropylbenzene	11.02	105	483092	58.503	ug/l	99
74) N-amyl acetate	10.90	43	164029	54.975	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	138365	50.281	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	118030m	53.680	ug/l	
77) Bromobenzene	11.25	156	113720	49.664	ug/l	97
78) n-propylbenzene	11.36	91	608754	66.292	ug/l	99
79) 2-Chlorotoluene	11.42	91	290025	52.989	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	366476	53.017	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	40737	49.521	ug/l	96
82) 4-Chlorotoluene	11.51	91	323330	50.689	ug/l	98
83) tert-Butylbenzene	11.77	119	367823	54.255	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1080815	157.045	ug/l	100
85) sec-Butylbenzene	11.94	105	448505	55.063	ug/l	98
86) p-Isopropyltoluene	12.06	119	412665	55.070	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	200768	49.624	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	200864	48.147	ug/l	98
89) n-Butylbenzene	12.38	91	356059	55.153	ug/l	98
90) Hexachloroethane	12.59	117	66848	60.340	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	200964	49.436	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	31086	58.307	ug/l	94

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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	138401	51.337	ug/l	99
94) Hexachlorobutadiene	13.78	225	68972	50.426	ug/l	98
95) Naphthalene	13.83	128	442513	56.129	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	139405	50.863	ug/l	100

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

