

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041119\
 Data File : VX008859.D
 Acq On : 11 Apr 2019 18:04
 Operator : JC/SP
 Sample : K2349-13MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY062MW139-190409MSD

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 9:46:06 AM

Quant Time: Apr 12 08:22:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	151810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	249927	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	226750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107912	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	99074	44.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.48%	
35) Dibromofluoromethane	5.50	113	72851	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
50) Toluene-d8	8.71	98	294476	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	
62) 4-Bromofluorobenzene	11.13	95	108910	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	100023	57.239	ug/l	98
3) Chloromethane	1.32	50	122597	57.499	ug/l	99
4) Vinyl Chloride	1.40	62	114397	48.427	ug/l	98
5) Bromomethane	1.64	94	65682	56.201	ug/l	98
6) Chloroethane	1.71	64	66990	52.051	ug/l	100
7) Trichlorofluoromethane	1.92	101	125329	47.995	ug/l	98
8) Diethyl Ether	2.18	74	56172	45.361	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	78480	46.680	ug/l	98
10) Methyl Iodide	2.51	142	93466	60.158	ug/l	99
11) Tert butyl alcohol	3.05	59	122536	236.382	ug/l	99
12) 1,1-Dichloroethene	2.37	96	82718	47.131	ug/l	97
13) Acrolein	2.29	56	80182	311.943	ug/l	99
14) Allyl chloride	2.73	41	195605	48.685	ug/l	98
15) Acrylonitrile	3.14	53	324829	236.535	ug/l	100
16) Acetone	2.44	43	270675	212.238	ug/l	97
17) Carbon Disulfide	2.57	76	249084	49.134	ug/l	99
18) Methyl Acetate	2.77	43	136996	44.291	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	308811	49.270	ug/l	100
20) Methylene Chloride	2.85	84	97830	45.827	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	89448	47.118	ug/l	93
22) Diisopropyl ether	3.85	45	370384	47.829	ug/l	94
23) Vinyl Acetate	3.81	43	1657704	246.072	ug/l	99
24) 1,1-Dichloroethane	3.70	63	181500	47.339	ug/l	99
25) 2-Butanone	4.67	43	475178	235.738	ug/l	97
26) 2,2-Dichloropropane	4.59	77	123732	45.820	ug/l	89
27) cis-1,2-Dichloroethene	4.59	96	267326	122.480	ug/l	93
28) Bromochloromethane	5.01	49	84571	52.985	ug/l	100
29) Tetrahydrofuran	5.13	42	315291	235.666	ug/l	99
30) Chloroform	5.21	83	162581	47.476	ug/l	98
31) Cyclohexane	5.58	56	177619	46.428	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	135180	48.849	ug/l	100
36) 1,1-Dichloropropene	5.80	75	128146	46.906	ug/l	99
37) Ethyl Acetate	4.83	43	178314	48.899	ug/l	99
38) Carbon Tetrachloride	5.78	117	111860	49.471	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	156757	46.449	ug/l	98
40) Benzene	6.14	78	397659	48.860	ug/l	99
41) Methacrylonitrile	5.04	41	104819	50.007	ug/l	98
42) 1,2-Dichloroethane	6.19	62	140316	48.090	ug/l	99
43) Isopropyl Acetate	6.45	43	281737	49.320	ug/l	99
44) Trichloroethene	7.21	130	121110	63.891	ug/l	97
45) 1,2-Dichloropropane	7.51	63	111578	48.032	ug/l	99
46) Dibromomethane	7.66	93	63621	47.221	ug/l	98
47) Bromodichloromethane	7.90	83	126359	49.741	ug/l	98
48) Methyl methacrylate	7.77	41	145524	50.361	ug/l	99
49) 1,4-Dioxane	7.74	88	47575	878.893	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	950238	258.408	ug/l	100
52) Toluene	8.78	92	237471	49.491	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	145971	51.297	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	161876	49.785	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	94343	48.983	ug/l	99
56) Ethyl methacrylate	9.18	69	179490	51.506	ug/l	100
57) 1,3-Dichloropropane	9.37	76	169913	49.129	ug/l	100
59) 2-Hexanone	9.49	43	725121	253.736	ug/l	99
60) Dibromochloromethane	9.58	129	93290	51.401	ug/l	100
61) 1,2-Dibromoethane	9.67	107	97744	48.748	ug/l	99
64) Tetrachloroethene	9.34	164	320413	190.724	ug/l	99
65) Chlorobenzene	10.13	112	242813	48.308	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	85391	48.426	ug/l	98
67) Ethyl Benzene	10.25	91	452374	48.266	ug/l	99
68) m/p-Xylenes	10.36	106	331474	98.363	ug/l	98
69) o-Xylene	10.69	106	161500	49.452	ug/l	98
70) Stvrene	10.71	104	283788	50.411	ug/l	99
71) Bromoform	10.85	173	68903	51.163	ug/l #	99
73) Isopropylbenzene	11.02	105	427073	47.755	ug/l	100
74) N-amyl acetate	10.90	43	254108	48.295	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	156429	45.993	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	135348m	45.657	ug/l	
77) Bromobenzene	11.26	156	104778	48.736	ug/l	97
78) n-propylbenzene	11.36	91	495645	47.599	ug/l	100
79) 2-Chlorotoluene	11.42	91	296196	47.004	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	358316	47.732	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	53008	49.291	ug/l	99
82) 4-Chlorotoluene	11.51	91	340015	46.615	ug/l	98
83) tert-Butylbenzene	11.77	119	341955	47.348	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	362648	47.709	ug/l	100
85) sec-Butylbenzene	11.94	105	411563	47.975	ug/l	99
86) p-Isopropyltoluene	12.06	119	373779	48.544	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	183755	47.743	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	183240	47.016	ug/l	99
89) n-Butylbenzene	12.38	91	343796	47.611	ug/l	99
90) Hexachloroethane	12.60	117	61943	48.504	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	183089	47.912	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34584	46.223	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	128002	48.176	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	64209	50.390	ug/l	100
95) Naphthalene	13.83	128	422240	47.548	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	128272	48.319	ug/l	99

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

