

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050219\
 Data File : VX009297.D
 Acq On : 03 May 2019 00:40
 Operator : JC/SP
 Sample : K2659-11MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW641-190429MSD

Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 11:18:50 AM

Quant Time: May 03 04:23:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	166142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	274370	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119612	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	115494	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
35) Dibromofluoromethane	5.50	113	85411	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
50) Toluene-d8	8.71	98	346076	49.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.40%	
62) 4-Bromofluorobenzene	11.13	95	125454	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	73502	48.008	ug/l	100
3) Chloromethane	1.32	50	100569	48.114	ug/l	99
4) Vinyl Chloride	1.41	62	110064	53.999	ug/l	97
5) Bromomethane	1.64	94	60201	49.209	ug/l	98
6) Chloroethane	1.71	64	65542	50.084	ug/l	99
7) Trichlorofluoromethane	1.92	101	123244	49.743	ug/l	99
8) Diethyl Ether	2.19	74	59582	50.769	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76106	48.916	ug/l	99
10) Methyl Iodide	2.51	142	86963	48.280	ug/l	99
11) Tert butyl alcohol	3.05	59	134691	256.557	ug/l	99
12) 1,1-Dichloroethene	2.37	96	77256	49.558	ug/l	94
13) Acrolein	2.29	56	103838	218.398	ug/l	99
14) Allyl chloride	2.73	41	180373	47.479	ug/l	100
15) Acrylonitrile	3.14	53	330351	257.353	ug/l	100
16) Acetone	2.45	43	281834	231.420	ug/l	99
17) Carbon Disulfide	2.57	76	209971	47.975	ug/l	99
18) Methyl Acetate	2.78	43	138959	47.978	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	310560	51.302	ug/l	99
20) Methylene Chloride	2.85	84	95450	48.406	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	84944	50.244	ug/l	99
22) Diisopropyl ether	3.85	45	373793	51.163	ug/l	97
23) Vinyl Acetate	3.81	43	1569481	250.869	ug/l	100
24) 1,1-Dichloroethane	3.70	63	180496	50.080	ug/l	100
25) 2-Butanone	4.67	43	487121	257.396	ug/l	99
26) 2,2-Dichloropropane	4.59	77	91635	34.158	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	101749	50.422	ug/l	97
28) Bromochloromethane	5.01	49	76360	52.784	ug/l	99
29) Tetrahydrofuran	5.13	42	325867	267.584	ug/l	99
30) Chloroform	5.21	83	164817	50.562	ug/l	100
31) Cyclohexane	5.58	56	164703	49.119	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	135579	49.964	ug/l	100
36) 1,1-Dichloropropene	5.80	75	122247	47.945	ug/l	100
37) Ethyl Acetate	4.84	43	175226	49.324	ug/l	99
38) Carbon Tetrachloride	5.79	117	112109	48.393	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	145248	46.385	ug/l	98
40) Benzene	6.14	78	385961	48.911	ug/l	99
41) Methacrylonitrile	5.04	41	105422	49.851	ug/l	99
42) 1,2-Dichloroethane	6.20	62	139750	49.370	ug/l	100
43) Isopropyl Acetate	6.45	43	281829	49.596	ug/l	100
44) Trichloroethene	7.21	130	89935	47.144	ug/l	97
45) 1,2-Dichloropropane	7.51	63	111334	49.827	ug/l	98
46) Dibromomethane	7.66	93	63572	48.994	ug/l	98
47) Bromodichloromethane	7.90	83	128301	49.570	ug/l	97
48) Methyl methacrylate	7.77	41	146218	51.864	ug/l	98
49) 1,4-Dioxane	7.74	88	51709	904.419	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	959587	258.355	ug/l	100
52) Toluene	8.79	92	236945	49.397	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	141656	48.476	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	153862	47.570	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	96794	49.462	ug/l	99
56) Ethyl methacrylate	9.18	69	177901	50.927	ug/l	99
57) 1,3-Dichloropropane	9.37	76	170557	49.527	ug/l	99
59) 2-Hexanone	9.49	43	749342	256.879	ug/l	100
60) Dibromochloromethane	9.58	129	97714	51.124	ug/l	100
61) 1,2-Dibromoethane	9.67	107	98465	49.846	ug/l	99
64) Tetrachloroethene	9.34	164	79903	46.370	ug/l	98
65) Chlorobenzene	10.14	112	243077	48.371	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	89800	49.290	ug/l	99
67) Ethyl Benzene	10.25	91	447652	48.403	ug/l	100
68) m/p-Xylenes	10.36	106	325589	96.338	ug/l	98
69) o-Xylene	10.70	106	162443	48.715	ug/l	98
70) Styrene	10.71	104	283264	48.875	ug/l	99
71) Bromoform	10.85	173	73698	49.778	ug/l #	99
73) Isopropylbenzene	11.02	105	425941	48.970	ug/l	99
74) N-amyl acetate	10.90	43	252118	49.717	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	167028	51.512	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	139677m	50.342	ug/l	
77) Bromobenzene	11.26	156	106573	49.365	ug/l	99
78) n-propylbenzene	11.36	91	488568	49.183	ug/l	100
79) 2-Chlorotoluene	11.42	91	294627	48.075	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	362148	49.448	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	49529	45.674	ug/l	97
82) 4-Chlorotoluene	11.51	91	339880	49.091	ug/l	100
83) tert-Butylbenzene	11.77	119	352318	49.451	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	367625	50.009	ug/l	99
85) sec-Butylbenzene	11.94	105	410838	48.639	ug/l	100
86) p-Isopropyltoluene	12.06	119	374520	49.321	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	189207	49.162	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	189879	48.937	ug/l	99
89) n-Butylbenzene	12.39	91	336148	48.978	ug/l	100
90) Hexachloroethane	12.60	117	65219	50.413	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	194831	49.702	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	38163	52.466	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	135551	50.567	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	65176	47.612	ug/l	99
95) Naphthalene	13.83	128	451004	51.714	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	138091	50.820	ug/l	99

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

