

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX011419\
 Data File : VX007040.D
 Acq On : 14 Jan 2019 15:36
 Operator : JC/SP
 Sample : K1133-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022MW359-190109MSD

Manual Integrations
 APPROVED

MMDadoda
 1/15/2019 11:13:21 AM

Quant Time: Jan 15 00:23:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	524730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	778171	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	728722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	375613	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	272945	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
35) Dibromofluoromethane	5.51	113	247955	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	8.71	98	925684	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	11.13	95	338667	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	221524	51.409	ug/l	98
3) Chloromethane	1.33	50	258463	51.524	ug/l	98
4) Vinyl Chloride	1.41	62	529227	98.076	ug/l	99
5) Bromomethane	1.64	94	274925	47.687	ug/l	96
6) Chloroethane	1.72	64	175912	46.688	ug/l	99
7) Trichlorofluoromethane	1.93	101	431653	49.508	ug/l	99
8) Diethyl Ether	2.19	74	169824	48.959	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	252047	48.286	ug/l	99
10) Methyl Iodide	2.51	142	404769	57.486	ug/l	99
11) Tert butyl alcohol	3.07	59	306289	236.771	ug/l	100
12) 1,1-Dichloroethene	2.37	96	234312	48.586	ug/l	98
13) Acrolein	2.30	56	134102	240.482	ug/l	96
14) Allyl chloride	2.73	41	414365	50.134	ug/l	99
15) Acrylonitrile	3.15	53	759773	255.845	ug/l	100
16) Acetone	2.45	43	641768	236.723	ug/l	99
17) Carbon Disulfide	2.57	76	592934	47.754	ug/l	99
18) Methyl Acetate	2.78	43	395386	50.361	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	840899	50.236	ug/l	99
20) Methylene Chloride	2.86	84	270725	52.531	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	259012	48.194	ug/l	97
22) Diisopropyl ether	3.87	45	767908	49.420	ug/l	93
23) Vinyl Acetate	3.82	43	3233870	246.788	ug/l	99
24) 1,1-Dichloroethane	3.70	63	438087	50.421	ug/l	99
25) 2-Butanone	4.70	43	965768	248.966	ug/l	99
26) 2,2-Dichloropropane	4.59	77	307018	45.953	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	470836	79.425	ug/l	98
28) Bromochloromethane	5.02	49	191280	50.248	ug/l	96
29) Tetrahydrofuran	5.15	42	629320	249.636	ug/l	97
30) Chloroform	5.21	83	448273	49.278	ug/l	98
31) Cyclohexane	5.58	56	375133	48.510	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	384565	49.875	ug/l	99
36) 1,1-Dichloropropene	5.80	75	321286	47.488	ug/l	100
37) Ethyl Acetate	4.86	43	360759	49.737	ug/l	98
38) Carbon Tetrachloride	5.78	117	333469	48.989	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	408021	47.306	ug/l	97
40) Benzene	6.15	78	1056985	51.201	ug/l	100
41) Methacrylonitrile	5.06	41	202057	48.357	ug/l	98
42) 1,2-Dichloroethane	6.20	62	350119	49.080	ug/l	99
43) Isopropyl Acetate	6.46	43	582754	50.935	ug/l	98
44) Trichloroethene	7.21	130	288854	46.694	ug/l	99
45) 1,2-Dichloropropane	7.52	63	251674	48.493	ug/l	100
46) Dibromomethane	7.66	93	182027	49.905	ug/l	99
47) Bromodichloromethane	7.90	83	323324	52.077	ug/l	97
48) Methyl methacrylate	7.77	41	300762	51.190	ug/l	97
49) 1,4-Dioxane	7.75	88	119416	889.038	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1966396	267.438	ug/l	99
52) Toluene	8.79	92	659862	49.732	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	362933	52.718	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	386955	50.896	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	274370	51.662	ug/l	98
56) Ethyl methacrylate	9.18	69	420445	54.229	ug/l	97
57) 1,3-Dichloropropane	9.37	76	442220	50.826	ug/l	99
59) 2-Hexanone	9.49	43	1485892	265.187	ug/l	99
60) Dibromochloromethane	9.59	129	286726	55.599	ug/l	99
61) 1,2-Dibromoethane	9.67	107	299768	51.271	ug/l	100
64) Tetrachloroethene	9.34	164	281335	44.592	ug/l	97
65) Chlorobenzene	10.14	112	2695811	169.614	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	277361	51.875	ug/l	99
67) Ethyl Benzene	10.25	91	1258934	47.980	ug/l	98
68) m/p-Xylenes	10.36	106	998384	96.577	ug/l	99
69) o-Xylene	10.70	106	493997	48.999	ug/l	97
70) Stvrene	10.71	104	803380	50.313	ug/l	99
71) Bromoform	10.86	173	221767	46.705	ug/l #	99
73) Isopropylbenzene	11.02	105	1284453	48.496	ug/l	99
74) N-amyl acetate	10.90	43	545377	51.143	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	419040	49.836	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	387070m	50.852	ug/l	
77) Bromobenzene	11.26	156	360293	49.370	ug/l	99
78) n-propylbenzene	11.36	91	1441456	49.576	ug/l	99
79) 2-Chlorotoluene	11.42	91	859371	49.100	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1075480	48.596	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	116481	46.471	ug/l	100
82) 4-Chlorotoluene	11.51	91	995529	49.125	ug/l	100
83) tert-Butylbenzene	11.77	119	1108800	50.216	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1098072	49.341	ug/l	99
85) sec-Butylbenzene	11.94	105	1290211	48.926	ug/l	100
86) p-Isopropyltoluene	12.07	119	1165860	49.427	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	682431	51.735	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	758712	60.676	ug/l	100
89) n-Butylbenzene	12.39	91	986752	49.074	ug/l	99
90) Hexachloroethane	12.60	117	185035	49.188	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	746889	57.376	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	88164	53.016	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	436577	48.884	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	200160	50.505	ug/l	100
95) Naphthalene	13.83	128	1355296	50.080	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	432637	48.765	ug/l	98

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

