

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021419\
 Data File : VX007534.D
 Acq On : 13 Feb 2019 21:24
 Operator : JC/SP
 Sample : K1460-06MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-20190208MSD

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 10:57:31 AM

Quant Time: Feb 14 03:59:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	451921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	685567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	627984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	312961	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	250706	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
35) Dibromofluoromethane	5.51	113	228683	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
50) Toluene-d8	8.71	98	820294	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	11.13	95	294617	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	246014	44.320	ug/l	98
3) Chloromethane	1.33	50	217315	42.693	ug/l	99
4) Vinyl Chloride	1.41	62	242927	48.647	ug/l	98
5) Bromomethane	1.64	94	215620	43.606	ug/l	98
6) Chloroethane	1.72	64	166952	51.682	ug/l	100
7) Trichlorofluoromethane	1.93	101	378659	48.472	ug/l	98
8) Diethyl Ether	2.19	74	143175	48.695	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	210720	45.348	ug/l	99
10) Methyl Iodide	2.51	142	278466	40.738	ug/l	99
11) Tert butyl alcohol	3.07	59	308510	310.780	ug/l	98
12) 1,1-Dichloroethene	2.37	96	199120	46.147	ug/l	97
13) Acrolein	2.30	56	114615	246.218	ug/l #	80
14) Allyl chloride	2.73	41	349668	49.735	ug/l	99
15) Acrylonitrile	3.15	53	646453	263.243	ug/l	99
16) Acetone	2.45	43	589464	268.270	ug/l	99
17) Carbon Disulfide	2.57	76	502593	44.775	ug/l	100
18) Methyl Acetate	2.78	43	334817	58.382	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	755813	54.067	ug/l	99
20) Methylene Chloride	2.86	84	226958	50.573	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	210161	45.722	ug/l	95
22) Diisopropyl ether	3.87	45	666009	51.499	ug/l	98
23) Vinyl Acetate	3.82	43	2643202	246.300	ug/l	100
24) 1,1-Dichloroethane	3.70	63	372471	50.152	ug/l	99
25) 2-Butanone	4.70	43	852043	272.480	ug/l	99
26) 2,2-Dichloropropane	4.59	77	240667	42.551	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	245965	48.992	ug/l	97
28) Bromochloromethane	5.02	49	171301	50.157	ug/l	98
29) Tetrahydrofuran	5.15	42	552316	280.839	ug/l	99
30) Chloroform	5.21	83	393772	50.811	ug/l	99
31) Cyclohexane	5.57	56	365953	54.863	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	338235	51.705	ug/l	99
36) 1,1-Dichloropropene	5.80	75	273603	44.480	ug/l	100
37) Ethyl Acetate	4.85	43	298922	48.073	ug/l	99
38) Carbon Tetrachloride	5.78	117	294694	49.382	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	394449	53.001	ug/l	99
40) Benzene	6.14	78	1015017	56.018	ug/l	100
41) Methacrylonitrile	5.06	41	173101	51.942	ug/l	99
42) 1,2-Dichloroethane	6.20	62	294057	46.905	ug/l	97
43) Isopropyl Acetate	6.46	43	492702	51.335	ug/l	100
44) Trichloroethene	7.21	130	246198	45.114	ug/l	99
45) 1,2-Dichloropropane	7.51	63	219659	48.384	ug/l	100
46) Dibromomethane	7.66	93	154979	46.969	ug/l	100
47) Bromodichloromethane	7.90	83	279444	49.971	ug/l	99
48) Methyl methacrylate	7.77	41	261161	54.400	ug/l	98
49) 1,4-Dioxane	7.75	88	108570	994.475	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1676143	265.288	ug/l	99
52) Toluene	8.78	92	556061	47.565	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	304158	50.636	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	328975	49.802	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	235461	48.318	ug/l	98
56) Ethyl methacrylate	9.18	69	350633	51.951	ug/l	99
57) 1,3-Dichloropropane	9.37	76	373102	48.144	ug/l	99
59) 2-Hexanone	9.49	43	1278467	260.030	ug/l	99
60) Dibromochloromethane	9.59	129	248465	53.911	ug/l	97
61) 1,2-Dibromoethane	9.67	107	254973	49.407	ug/l	98
64) Tetrachloroethene	9.34	164	226628	38.289	ug/l	99
65) Chlorobenzene	10.13	112	644225	47.011	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	237208	51.629	ug/l	99
67) Ethyl Benzene	10.25	91	1038961	47.079	ug/l	99
68) m/p-Xylenes	10.36	106	818048	93.252	ug/l	100
69) o-Xylene	10.70	106	401962	47.619	ug/l	99
70) Stvrene	10.71	104	646805	47.247	ug/l	100
71) Bromoform	10.86	173	189819	47.338	ug/l	100
73) Isopropylbenzene	11.02	105	1077861	50.681	ug/l	99
74) N-amyl acetate	10.90	43	430222	52.300	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	352763	54.427	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	326131m	53.574	ug/l	
77) Bromobenzene	11.26	156	289255	48.272	ug/l	100
78) n-propylbenzene	11.36	91	1180849	50.635	ug/l	99
79) 2-Chlorotoluene	11.42	91	692694	48.951	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	868692	49.927	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	94603	48.201	ug/l	95
82) 4-Chlorotoluene	11.51	91	801209	48.932	ug/l	100
83) tert-Butylbenzene	11.77	119	907060	52.655	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	880374	49.839	ug/l	99
85) sec-Butylbenzene	11.94	105	1054004	50.554	ug/l	100
86) p-Isopropyltoluene	12.06	119	929430	49.383	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	499103	46.411	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	502668	46.072	ug/l	100
89) n-Butylbenzene	12.39	91	786533	48.580	ug/l	100
90) Hexachloroethane	12.60	117	157279	55.837	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	500526	46.768	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	76140	56.497	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	344244	47.696	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	159030	45.377	ug/l	99
95) Naphthalene	13.83	128	1111110	52.644	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	347500	47.832	ug/l	99

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

