

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071219\
 Data File : VX010848.D
 Acq On : 12 Jul 2019 19:56
 Operator : JC/SP
 Sample : K3786-04MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0583MSD

Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 11:01:07 AM

Quant Time: Jul 13 04:49:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	237834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	358360	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	335180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176058	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	102840	46.12	ug/l	0.00
Spiked Amount						
			Recovery	=	92.24%	
35) Dibromofluoromethane	5.50	113	97542	44.49	ug/l	0.00
Spiked Amount						
			Recovery	=	88.98%	
50) Toluene-d8	8.71	98	349547	41.67	ug/l	0.00
Spiked Amount						
			Recovery	=	83.34%	
62) 4-Bromofluorobenzene	11.13	95	136881	45.20	ug/l	0.00
Spiked Amount						
			Recovery	=	90.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	81013	48.995	ug/l	98
3) Chloromethane	1.32	50	83523	43.380	ug/l	98
4) Vinyl Chloride	1.41	62	92002	43.626	ug/l	98
5) Bromomethane	1.64	94	44577	43.388	ug/l	96
6) Chloroethane	1.71	64	63396	50.953	ug/l	97
7) Trichlorofluoromethane	1.93	101	162845	48.711	ug/l	98
8) Diethyl Ether	2.19	74	57147	47.667	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	91463	45.146	ug/l	97
10) Methyl Iodide	2.51	142	103268	35.717	ug/l	97
11) Tert butyl alcohol	3.05	59	111738	191.496	ug/l	98
12) 1,1-Dichloroethene	2.37	96	91897	44.578	ug/l	99
13) Acrolein	2.29	56	91628	236.716	ug/l	98
14) Allyl chloride	2.73	41	131595	44.963	ug/l	97
15) Acrylonitrile	3.14	53	272830	236.162	ug/l	99
16) Acetone	2.45	43	218536	195.545	ug/l	97
17) Carbon Disulfide	2.57	76	218547	39.515	ug/l	99
18) Methyl Acetate	2.78	43	93195	41.840	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	300524	46.339	ug/l	97
20) Methylene Chloride	2.85	84	103317	44.922	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	96366	43.464	ug/l	95
22) Diisopropyl ether	3.85	45	285305	46.625	ug/l	95
23) Vinyl Acetate	3.81	43	1132445	214.224	ug/l	98
24) 1,1-Dichloroethane	3.70	63	163340	46.179	ug/l	99
25) 2-Butanone	4.67	43	362950	221.400	ug/l	99
26) 2,2-Dichloropropane	4.59	77	107217	34.894	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	113953	44.476	ug/l	99
28) Bromochloromethane	5.01	49	71181	42.091	ug/l	95
29) Tetrahydrofuran	5.13	42	236191	232.605	ug/l	98
30) Chloroform	5.21	83	174144	45.759	ug/l	99
31) Cyclohexane	5.58	56	149563	46.434	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	153913	45.802	ug/l	100
36) 1,1-Dichloropropene	5.80	75	125609	44.109	ug/l	99
37) Ethyl Acetate	4.84	43	125337	42.783	ug/l	98
38) Carbon Tetrachloride	5.79	117	132620	43.007	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	159027	42.484	ug/l	97
40) Benzene	6.14	78	400185	45.106	ug/l	99
41) Methacrylonitrile	5.04	41	76918	47.851	ug/l	98
42) 1,2-Dichloroethane	6.20	62	134434	49.778	ug/l	98
43) Isopropyl Acetate	6.45	43	209102	43.140	ug/l	98
44) Trichloroethene	7.21	130	112274	42.292	ug/l	97
45) 1,2-Dichloropropane	7.51	63	100640	44.920	ug/l	97
46) Dibromomethane	7.66	93	72718	45.238	ug/l	97
47) Bromodichloromethane	7.90	83	132020	44.815	ug/l	99
48) Methyl methacrylate	7.77	41	108235	48.041	ug/l	97
49) 1,4-Dioxane	7.74	88	53220	820.006	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	751116	242.298	ug/l	97
52) Toluene	8.78	92	259284	44.379	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	137924	41.761	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	151853	42.309	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	110061	45.676	ug/l	98
56) Ethyl methacrylate	9.18	69	167691	45.940	ug/l	95
57) 1,3-Dichloropropane	9.37	76	171689	45.901	ug/l	98
59) 2-Hexanone	9.49	43	578702	237.194	ug/l	98
60) Dibromochloromethane	9.58	129	116685	43.250	ug/l	100
61) 1,2-Dibromoethane	9.67	107	116515	44.798	ug/l	99
64) Tetrachloroethene	9.34	164	101873	37.577	ug/l	99
65) Chlorobenzene	10.13	112	294259	43.243	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	108423	43.743	ug/l	100
67) Ethyl Benzene	10.25	91	965264	84.024	ug/l	98
68) m/p-Xylenes	10.36	106	499598	112.236	ug/l	98
69) o-Xylene	10.69	106	195238	44.601	ug/l	98
70) Styrene	10.71	104	334552	45.572	ug/l	98
71) Bromoform	10.85	173	89134	41.352	ug/l	100
73) Isopropylbenzene	11.02	105	554973	46.501	ug/l	98
74) N-amyl acetate	10.90	43	187716	41.619	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	177809	44.988	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	140959m	43.937	ug/l	
77) Bromobenzene	11.26	156	139515	41.865	ug/l	97
78) n-propylbenzene	11.36	91	607268	46.298	ug/l	99
79) 2-Chlorotoluene	11.42	91	345077	44.181	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	440905	44.814	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	46257	33.636	ug/l	89
82) 4-Chlorotoluene	11.51	91	399338	44.932	ug/l	99
83) tert-Butylbenzene	11.77	119	441188	44.678	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	693329	70.141	ug/l	99
85) sec-Butylbenzene	11.94	105	515518	44.463	ug/l	99
86) p-Isopropyltoluene	12.06	119	474754	44.268	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	251745	43.277	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	250611	42.318	ug/l	99
89) n-Butylbenzene	12.38	91	411711	45.178	ug/l	100
90) Hexachloroethane	12.60	117	77373	41.724	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	252637	43.698	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37185	43.636	ug/l	89
93) 1,2,4-Trichlorobenzene	13.65	180	170511	42.529	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	81304	41.492	ug/l	98
95) Naphthalene	13.83	128	647272	52.535	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	173926	43.631	ug/l	99

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

