

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072919\
 Data File : VX011158.D
 Acq On : 29 Jul 2019 20:06
 Operator : JC/SP
 Sample : K4026-13MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0681MSD

Manual Integrations
 APPROVED

MMDadoda
 7/30/2019 11:09:16 AM

Quant Time: Jul 30 06:41:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	181600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	269816	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	98977	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
35) Dibromofluoromethane	5.50	113	88426	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
50) Toluene-d8	8.71	98	328075	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	11.13	95	126185	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	87002	44.984	ug/l	98
3) Chloromethane	1.32	50	75459	45.185	ug/l	98
4) Vinyl Chloride	1.41	62	103583	60.810	ug/l	99
5) Bromomethane	1.64	94	39455	41.103	ug/l	97
6) Chloroethane	1.71	64	58470	54.015	ug/l	97
7) Trichlorofluoromethane	1.92	101	145712	50.535	ug/l	97
8) Diethyl Ether	2.19	74	49583	49.909	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	80055	48.626	ug/l	97
10) Methyl Iodide	2.51	142	81981	37.946	ug/l	99
11) Tert butyl alcohol	3.06	59	99205	220.489	ug/l	99
12) 1,1-Dichloroethene	2.37	96	77391	47.844	ug/l	99
13) Acrolein	2.29	56	53817	207.024	ug/l	100
14) Allyl chloride	2.73	41	113577	48.339	ug/l	99
15) Acrylonitrile	3.14	53	233494	256.820	ug/l	99
16) Acetone	2.45	43	192206	220.278	ug/l	97
17) Carbon Disulfide	2.57	76	176196	42.464	ug/l	99
18) Methyl Acetate	2.78	43	105503	53.101	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	267457	51.362	ug/l	100
20) Methylene Chloride	2.85	84	88776	48.009	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	82752	48.215	ug/l	97
22) Diisopropyl ether	3.85	45	253726	51.202	ug/l	98
23) Vinyl Acetate	3.81	43	1048390	249.696	ug/l	100
24) 1,1-Dichloroethane	3.70	63	144843	50.330	ug/l	99
25) 2-Butanone	4.67	43	315295	251.722	ug/l	99
26) 2,2-Dichloropropane	4.58	77	106431	45.041	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	109598	55.176	ug/l	97
28) Bromochloromethane	5.01	49	67759	49.965	ug/l	97
29) Tetrahydrofuran	5.13	42	202193	254.839	ug/l	99
30) Chloroform	5.21	83	158853	51.068	ug/l	99
31) Cyclohexane	5.58	56	121288	46.238	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	137558	51.114	ug/l	99
36) 1,1-Dichloropropene	5.80	75	109819	49.551	ug/l	98
37) Ethyl Acetate	4.83	43	116114	51.165	ug/l	99
38) Carbon Tetrachloride	5.78	117	121282	52.515	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	131324	45.692	ug/l	98
40) Benzene	6.14	78	339415	49.995	ug/l	99
41) Methacrylonitrile	5.05	41	65318	50.701	ug/l	98
42) 1,2-Dichloroethane	6.19	62	124045	52.550	ug/l	99
43) Isopropyl Acetate	6.45	43	188863	50.612	ug/l	99
44) Trichloroethene	7.21	130	99301	49.414	ug/l	97
45) 1,2-Dichloropropane	7.51	63	88945	51.475	ug/l	99
46) Dibromomethane	7.66	93	64422	52.176	ug/l	100
47) Bromodichloromethane	7.90	83	118913	54.103	ug/l	99
48) Methyl methacrylate	7.77	41	95372	52.464	ug/l	97
49) 1,4-Dioxane	7.74	88	43287	851.274	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	655293	270.897	ug/l	100
52) Toluene	8.78	92	222356	49.857	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	124192	52.550	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	135485	51.521	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	97253	52.960	ug/l	97
56) Ethyl methacrylate	9.18	69	145481	54.160	ug/l	99
57) 1,3-Dichloropropane	9.37	76	150984	51.829	ug/l	99
59) 2-Hexanone	9.49	43	513253	273.560	ug/l	99
60) Dibromochloromethane	9.58	129	104331	49.398	ug/l	100
61) 1,2-Dibromoethane	9.67	107	104286	53.512	ug/l	100
64) Tetrachloroethene	9.34	164	86529	43.604	ug/l	98
65) Chlorobenzene	10.13	112	258275	49.850	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	96927	53.230	ug/l	98
67) Ethyl Benzene	10.25	91	444498	50.404	ug/l	100
68) m/p-Xylenes	10.36	106	341965	101.090	ug/l	99
69) o-Xylene	10.69	106	165758	50.208	ug/l	98
70) Stvrene	10.71	104	283593	51.530	ug/l	99
71) Bromoform	10.85	173	80740	48.765	ug/l #	99
73) Isopropylbenzene	11.02	105	456501	48.927	ug/l	99
74) N-amyl acetate	10.90	43	174081	48.830	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	158459	51.896	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	127758m	51.272	ug/l	
77) Bromobenzene	11.26	156	123658	48.048	ug/l	97
78) n-propylbenzene	11.36	91	512126	49.677	ug/l	99
79) 2-Chlorotoluene	11.42	91	302701	48.878	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	390665	50.109	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	40758	42.122	ug/l	97
82) 4-Chlorotoluene	11.51	91	354438	49.173	ug/l	100
83) tert-Butylbenzene	11.77	119	393234	51.350	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	394794	50.241	ug/l	100
85) sec-Butylbenzene	11.94	105	452763	50.458	ug/l	100
86) p-Isopropyltoluene	12.06	119	419540	50.573	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	220766	49.429	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	223266	48.741	ug/l	99
89) n-Butylbenzene	12.38	91	361965	51.002	ug/l	100
90) Hexachloroethane	12.59	117	65732	50.237	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	220717	49.864	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	33310	52.189	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	151707	50.572	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	74336	50.005	ug/l	96
95) Naphthalene	13.83	128	479011	54.075	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	154417	51.734	ug/l	98

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

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