

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031519\
 Data File : VX008132.D
 Acq On : 16 Mar 2019 03:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/16/2019 10:33:38 AM

Quant Time: Mar 16 05:33:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	246398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	357494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	311410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160923	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	118786	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
35) Dibromofluoromethane	5.50	113	110203	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
50) Toluene-d8	8.71	98	408606	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
62) 4-Bromofluorobenzene	11.13	95	145818	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	87203	44.213	ug/l	100
3) Chloromethane	1.33	50	83160	35.810	ug/l	97
4) Vinyl Chloride	1.41	62	88315	39.856	ug/l	99
5) Bromomethane	1.64	94	48730	45.132	ug/l	98
6) Chloroethane	1.72	64	53928	45.142	ug/l	99
7) Trichlorofluoromethane	1.93	101	120092	45.156	ug/l	98
8) Diethyl Ether	2.19	74	65704	49.700	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.39	101	94378	47.482	ug/l	95
10) Methyl Iodide	2.51	142	155386	55.960	ug/l	97
11) Tert butyl alcohol	3.08	59	121558	253.140	ug/l	99
12) 1,1-Dichloroethene	2.37	96	95881	51.037	ug/l	89
13) Acrolein	2.30	56	82773	187.131	ug/l	100
14) Allyl chloride	2.73	41	152137	44.460	ug/l	95
15) Acrylonitrile	3.15	53	282040	240.866	ug/l	100
16) Acetone	2.45	43	227037	193.483	ug/l	97
17) Carbon Disulfide	2.57	76	262808	48.721	ug/l	100
18) Methyl Acetate	2.78	43	130098	51.297	ug/l	93
19) Methyl tert-butyl Ether	3.21	73	318741	50.182	ug/l	97
20) Methylene Chloride	2.86	84	103446	49.360	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	100998	49.897	ug/l	91
22) Diisopropyl ether	3.87	45	321866	47.332	ug/l	98
23) Vinyl Acetate	3.82	43	1379603	238.546	ug/l	96
24) 1,1-Dichloroethane	3.70	63	186477	50.025	ug/l	99
25) 2-Butanone	4.70	43	400019	222.093	ug/l	93
26) 2,2-Dichloropropane	4.58	77	96100	33.745	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	118015	49.048	ug/l	92
28) Bromochloromethane	5.02	49	84644	48.078	ug/l	84
29) Tetrahydrofuran	5.15	42	267039	237.502	ug/l	93
30) Chloroform	5.21	83	184739	48.926	ug/l	99
31) Cyclohexane	5.57	56	163924	46.125	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	160244	50.383	ug/l	97
36) 1,1-Dichloropropene	5.80	75	137632	46.798	ug/l	97
37) Ethyl Acetate	4.85	43	148391	46.946	ug/l	97
38) Carbon Tetrachloride	5.78	117	141400	49.950	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	163841	43.583	ug/l	95
40) Benzene	6.14	78	428888	47.602	ug/l	99
41) Methacrylonitrile	5.06	41	83503	45.374	ug/l	94
42) 1,2-Dichloroethane	6.20	62	136643	47.409	ug/l	98
43) Isopropyl Acetate	6.46	43	234068	45.982	ug/l	97
44) Trichloroethene	7.21	130	124571	47.908	ug/l	93
45) 1,2-Dichloropropane	7.51	63	109558	46.092	ug/l	98
46) Dibromomethane	7.66	93	73244	49.164	ug/l	94
47) Bromodichloromethane	7.90	83	136129	48.046	ug/l	98
48) Methyl methacrylate	7.77	41	122710	46.156	ug/l	95
49) 1,4-Dioxane	7.75	88	56835	991.177	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	750247	223.624	ug/l	96
52) Toluene	8.79	92	272179	47.525	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	142281	45.809	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	160038	46.362	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	111563	47.841	ug/l	98
56) Ethyl methacrylate	9.18	69	165922	48.168	ug/l	93
57) 1,3-Dichloropropane	9.37	76	178696	46.304	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	461950	227.957	ug/l	94
59) 2-Hexanone	9.49	43	571313	217.743	ug/l	96
60) Dibromochloromethane	9.58	129	117960	49.080	ug/l	99
61) 1,2-Dibromoethane	9.67	107	119023	48.711	ug/l	100
64) Tetrachloroethene	9.34	164	128135	50.783	ug/l	97
65) Chlorobenzene	10.14	112	301864	48.847	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	113975	51.969	ug/l	100
67) Ethyl Benzene	10.25	91	498650	48.750	ug/l	99
68) m/p-Xylenes	10.36	106	391051	99.911	ug/l	99
69) o-Xylene	10.69	106	191118	50.089	ug/l	98
70) Styrene	10.71	104	315511	50.477	ug/l	99
71) Bromoform	10.86	173	94902	52.289	ug/l #	99
73) Isopropylbenzene	11.02	105	505386	49.034	ug/l	99
74) N-amyl acetate	10.90	43	195454	44.954	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	159856	47.335	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	152812m	54.678	ug/l	
77) Bromobenzene	11.26	156	141519	50.304	ug/l	94
78) n-propylbenzene	11.36	91	551584	48.779	ug/l	99
79) 2-Chlorotoluene	11.42	91	332510	48.149	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	421346	49.610	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	43895	44.694	ug/l	97
82) 4-Chlorotoluene	11.51	91	379839	48.024	ug/l	98
83) tert-Butylbenzene	11.77	119	420482	49.404	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	437669	49.959	ug/l	100
85) sec-Butylbenzene	11.94	105	498709	49.180	ug/l	100
86) p-Isopropyltoluene	12.06	119	453158	49.412	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	245118	48.956	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	246504	48.484	ug/l	99
89) n-Butylbenzene	12.38	91	356101	46.404	ug/l	99
90) Hexachloroethane	12.60	117	72582	49.451	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	247197	49.762	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	34862	51.059	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	173134	49.202	ug/l	99
94) Hexachlorobutadiene	13.78	225	91344	47.779	ug/l	100
95) Naphthalene	13.83	128	527992	53.363	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	178575	51.551	ug/l	99

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

