

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX061119\
 Data File : VX010237.D
 Acq On : 11 Jun 2019 17:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/12/2019 9:21:47 AM

Quant Time: Jun 12 08:44:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	252483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	367620	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	336763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183501	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	99809	40.50	ug/l	0.00
Spiked Amount			Recovery	=	81.00%	
35) Dibromofluoromethane	5.49	113	99896	44.05	ug/l	0.00
Spiked Amount			Recovery	=	88.10%	
50) Toluene-d8	8.71	98	383504	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	
62) 4-Bromofluorobenzene	11.13	95	144544	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	111723	48.090	ug/l	99
3) Chloromethane	1.32	50	101449	43.970	ug/l	100
4) Vinyl Chloride	1.41	62	107300	49.482	ug/l	99
5) Bromomethane	1.64	94	45083	55.095	ug/l	98
6) Chloroethane	1.71	64	63363	57.956	ug/l	99
7) Trichlorofluoromethane	1.92	101	171264	53.170	ug/l	100
8) Diethyl Ether	2.18	74	58021	52.262	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	2.38	101	101426	45.680	ug/l	90
10) Methyl Iodide	2.51	142	155416	45.177	ug/l	96
11) Tert butyl alcohol	3.05	59	133829	221.667	ug/l	98
12) 1,1-Dichloroethene	2.37	96	97931	43.182	ug/l #	79
13) Acrolein	2.29	56	28101	255.264	ug/l	98
14) Allyl chloride	2.73	41	143025	41.780	ug/l #	88
15) Acrylonitrile	3.14	53	270880	219.508	ug/l	98
16) Acetone	2.44	43	263510	227.327	ug/l #	86
17) Carbon Disulfide	2.57	76	253049	38.617	ug/l	99
18) Methyl Acetate	2.77	43	110469	43.334	ug/l #	81
19) Methyl tert-butyl Ether	3.19	73	313680	43.053	ug/l	93
20) Methylene Chloride	2.85	84	108704	42.701	ug/l #	78
21) trans-1,2-Dichloroethene	3.16	96	104179	41.510	ug/l #	80
22) Diisopropyl ether	3.85	45	291995	44.613	ug/l #	85
23) Vinyl Acetate	3.81	43	1296315	222.014	ug/l #	88
24) 1,1-Dichloroethane	3.69	63	169780	42.724	ug/l	96
25) 2-Butanone	4.67	43	392446	227.360	ug/l #	83
26) 2,2-Dichloropropane	4.57	77	154605	42.646	ug/l	93
27) cis-1,2-Dichloroethene	4.59	96	123208	44.129	ug/l	77
28) Bromochloromethane	5.01	49	78629	44.149	ug/l #	47
29) Tetrahydrofuran	5.12	42	239163	220.472	ug/l #	76
30) Chloroform	5.21	83	180723	43.790	ug/l	99
31) Cyclohexane	5.57	56	159006	44.335	ug/l #	75
32) 1,1,1-Trichloroethane	5.49	97	163877	42.238	ug/l #	93
36) 1,1-Dichloropropene	5.79	75	135134	45.056	ug/l	92
37) Ethyl Acetate	4.83	43	138774	44.470	ug/l #	92
38) Carbon Tetrachloride	5.78	117	151541	44.640	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	187300	45.862	ug/l #	84
40) Benzene	6.14	78	426005	45.935	ug/l	99
41) Methacrylonitrile	5.04	41	74798	44.311	ug/l #	83
42) 1,2-Dichloroethane	6.19	62	130452	44.060	ug/l	93
43) Isopropyl Acetate	6.44	43	230845	44.243	ug/l #	89
44) Trichloroethene	7.21	130	129766	46.420	ug/l	85
45) 1,2-Dichloropropane	7.51	63	105997	45.664	ug/l	100
46) Dibromomethane	7.66	93	76523	44.003	ug/l	89
47) Bromodichloromethane	7.90	83	145241	44.696	ug/l #	99
48) Methyl methacrylate	7.77	41	108476	44.455	ug/l #	76
49) 1,4-Dioxane	7.74	88	65349	939.314	ug/l #	78
51) 4-Methyl-2-Pentanone	8.64	43	750704	240.841	ug/l	90
52) Toluene	8.78	92	282250	46.298	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	164682	43.814	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	177534	44.059	ug/l #	87
55) 1,1,2-Trichloroethane	9.21	97	117349	47.001	ug/l	95
56) Ethyl methacrylate	9.18	69	182019	46.152	ug/l #	81
57) 1,3-Dichloropropane	9.37	76	180636	45.955	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	424551	228.343	ug/l #	86
59) 2-Hexanone	9.49	43	596956	240.202	ug/l	88
60) Dibromochloromethane	9.58	129	135502	45.883	ug/l	99
61) 1,2-Dibromoethane	9.67	107	127625	45.897	ug/l	100
64) Tetrachloroethene	9.34	164	118949	47.557	ug/l	94
65) Chlorobenzene	10.13	112	322803	46.443	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	121570	45.482	ug/l	99
67) Ethyl Benzene	10.25	91	548896	46.390	ug/l	95
68) m/p-Xylenes	10.36	106	431552	94.252	ug/l	89
69) o-Xylene	10.69	106	213489	46.905	ug/l	87
70) Styrene	10.71	104	370757	48.096	ug/l	94
71) Bromoform	10.85	173	115745	47.104	ug/l #	96
73) Isopropylbenzene	11.02	105	563979	44.028	ug/l	96
74) N-amyl acetate	10.90	43	218219	43.096	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.27	83	187395	42.737	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	154785m	42.171	ug/l	
77) Bromobenzene	11.25	156	156188	44.339	ug/l	80
78) n-propylbenzene	11.36	91	638943	44.804	ug/l	95
79) 2-Chlorotoluene	11.42	91	368822	43.062	ug/l	90
80) 1,3,5-Trimethylbenzene	11.51	105	474050	43.938	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	68312	41.121	ug/l #	84
82) 4-Chlorotoluene	11.51	91	426988	43.886	ug/l	91
83) tert-Butylbenzene	11.77	119	488133	44.700	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	483004	44.321	ug/l	95
85) sec-Butylbenzene	11.94	105	573260	45.059	ug/l	95
86) p-Isopropyltoluene	12.06	119	528583	45.448	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	282674	45.558	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	282235	45.123	ug/l	97
89) n-Butylbenzene	12.38	91	463817	46.329	ug/l	97
90) Hexachloroethane	12.60	117	97136	41.926	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	275176	45.619	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39517	38.298	ug/l	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	202326	45.822	ug/l	100
94) Hexachlorobutadiene	13.78	225	98164	49.989	ug/l	100
95) Naphthalene	13.83	128	615526	44.284	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	201105	46.064	ug/l	99

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

