

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112019\
 Data File : VX013490.D
 Acq On : 20 Nov 2019 20:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 9:54:38 AM

Quant Time: Nov 21 04:54:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	607636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	932069	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	828902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	418699	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	339870	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
35) Dibromofluoromethane	5.49	113	283152	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	8.71	98	1059598	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	11.14	95	381322	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	323428	46.196	ug/l	97
3) Chloromethane	1.31	50	354898	46.744	ug/l	98
4) Vinyl Chloride	1.40	62	428809	49.610	ug/l	98
5) Bromomethane	1.63	94	281156	46.677	ug/l	100
6) Chloroethane	1.71	64	241915	48.935	ug/l	98
7) Trichlorofluoromethane	1.92	101	493507	48.326	ug/l	97
8) Diethyl Ether	2.18	74	235293	52.104	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	301845	53.032	ug/l	98
10) Methyl Iodide	2.50	142	327579	46.486	ug/l	98
11) Tert butyl alcohol	3.04	59	446942	235.560	ug/l	100
12) 1,1-Dichloroethene	2.36	96	294414	52.821	ug/l	97
13) Acrolein	2.28	56	243242	236.544	ug/l	97
14) Allyl chloride	2.72	41	547434	54.055	ug/l	97
15) Acrylonitrile	3.13	53	998090	281.613	ug/l	99
16) Acetone	2.43	43	1106132	308.062	ug/l	99
17) Carbon Disulfide	2.56	76	702685	47.102	ug/l	99
18) Methyl Acetate	2.76	43	592967	59.818	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	1088337	58.544	ug/l	98
20) Methylene Chloride	2.84	84	344809	51.975	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	318610	52.500	ug/l	99
22) Diisopropyl ether	3.84	45	1115820	57.070	ug/l	97
23) Vinyl Acetate	3.80	43	3717581	222.204	ug/l	100
24) 1,1-Dichloroethane	3.69	63	608207	55.608	ug/l	100
25) 2-Butanone	4.65	43	1518387	288.257	ug/l	98
26) 2,2-Dichloropropane	4.57	77	470827	54.112	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	382435	56.254	ug/l	99
28) Bromochloromethane	5.00	49	169743	54.659	ug/l	96
29) Tetrahydrofuran	5.11	42	902115	277.913	ug/l	99
30) Chloroform	5.20	83	599752	55.532	ug/l	98
31) Cyclohexane	5.57	56	504009	51.211	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	519191	55.860	ug/l	99
36) 1,1-Dichloropropene	5.79	75	428661	53.609	ug/l	98
37) Ethyl Acetate	4.82	43	537448	54.395	ug/l	100
38) Carbon Tetrachloride	5.78	117	431465	55.181	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	511718	51.361	ug/l	100
40) Benzene	6.13	78	1346482	54.060	ug/l	100
41) Methacrylonitrile	5.03	41	301140	54.377	ug/l	98
42) 1,2-Dichloroethane	6.18	62	483437	53.810	ug/l	98
43) Isopropyl Acetate	6.43	43	879577	57.169	ug/l	99
44) Trichloroethene	7.21	130	384904	56.140	ug/l	96
45) 1,2-Dichloropropane	7.51	63	360530	56.810	ug/l	100
46) Dibromomethane	7.65	93	232011	53.544	ug/l	96
47) Bromodichloromethane	7.89	83	478820	58.601	ug/l	97
48) Methyl methacrylate	7.76	41	436942	56.893	ug/l	97
49) 1,4-Dioxane	7.73	88	168708	959.208	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2809554	278.333	ug/l	98
52) Toluene	8.78	92	860753	55.758	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	520600	58.267	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	577098	57.741	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	363734	56.846	ug/l	99
56) Ethyl methacrylate	9.17	69	593503	54.196	ug/l	97
57) 1,3-Dichloropropane	9.37	76	603653	55.575	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1130167	258.320	ug/l	99
59) 2-Hexanone	9.49	43	2221367	284.769	ug/l	99
60) Dibromochloromethane	9.58	129	389457	59.513	ug/l	100
61) 1,2-Dibromoethane	9.67	107	376890	55.470	ug/l	99
64) Tetrachloroethene	9.33	164	508410	85.680	ug/l	100
65) Chlorobenzene	10.14	112	933470	55.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	360885	58.569	ug/l	99
67) Ethyl Benzene	10.25	91	1638083	56.558	ug/l	98
68) m/p-Xylenes	10.35	106	1243924	113.563	ug/l	100
69) o-Xylene	10.70	106	619914	57.807	ug/l	98
70) Styrene	10.71	104	1057879	59.013	ug/l	98
71) Bromoform	10.85	173	308968	53.819	ug/l	99
73) Isopropylbenzene	11.01	105	1640328	59.089	ug/l	100
74) N-amyl acetate	10.89	43	772954	60.044	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	558579	55.155	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	459002m	53.973	ug/l	
77) Bromobenzene	11.25	156	430270	58.140	ug/l	98
78) n-propylbenzene	11.35	91	1831347	59.222	ug/l	99
79) 2-Chlorotoluene	11.42	91	1080393	57.988	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1354117	58.562	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	194627	58.907	ug/l	96
82) 4-Chlorotoluene	11.51	91	1239426	56.829	ug/l	99
83) tert-Butylbenzene	11.76	119	1203081	51.686	ug/l	90
84) 1,2,4-Trimethylbenzene	11.80	105	1423289	61.360	ug/l	99
85) sec-Butylbenzene	11.94	105	1594529	59.605	ug/l	100
86) p-Isopropyltoluene	12.06	119	1466345	59.526	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	754602	57.203	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	747866	55.644	ug/l	99
89) n-Butylbenzene	12.39	91	1238408	57.615	ug/l	99
90) Hexachloroethane	12.59	117	263067	59.938	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	760945	57.707	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	131031	53.106	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	520128	56.548	ug/l	100
94) Hexachlorobutadiene	13.78	225	241809	53.735	ug/l	100
95) Naphthalene	13.83	128	1684449	58.369	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	541167	58.667	ug/l	97

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

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