

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121319\
 Data File : VX014021.D
 Acq On : 13 Dec 2019 22:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/17/2019 2:48:56 PM

Quant Time: Dec 17 03:11:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	559282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	881233	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	799908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	400036	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	307104	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
35) Dibromofluoromethane	5.49	113	253746	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	
50) Toluene-d8	8.71	98	997131	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	11.14	95	360370	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	228884	45.745	ug/l	100
3) Chloromethane	1.31	50	320437	47.721	ug/l	98
4) Vinyl Chloride	1.40	62	330417	46.634	ug/l	99
5) Bromomethane	1.62	94	216473	43.047	ug/l	100
6) Chloroethane	1.70	64	205179	46.920	ug/l	97
7) Trichlorofluoromethane	1.91	101	406666	46.365	ug/l	97
8) Diethyl Ether	2.18	74	189326	45.993	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	238889	45.183	ug/l	99
10) Methyl Iodide	2.50	142	336164	48.307	ug/l	98
11) Tert butyl alcohol	3.05	59	344089	251.225	ug/l	98
12) 1,1-Dichloroethene	2.36	96	249825	46.437	ug/l	99
13) Acrolein	2.28	56	246443	314.329	ug/l	98
14) Allyl chloride	2.72	41	467373	48.656	ug/l	99
15) Acrylonitrile	3.13	53	794725	248.596	ug/l	99
16) Acetone	2.44	43	665155	161.635	ug/l	99
17) Carbon Disulfide	2.56	76	692887	46.446	ug/l	100
18) Methyl Acetate	2.76	43	412187	50.548	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	862819	48.806	ug/l	97
20) Methylene Chloride	2.84	84	296400	45.739	ug/l	100
21) trans-1,2-Dichloroethene	3.16	96	271992	45.890	ug/l	99
22) Diisopropyl ether	3.84	45	926732	48.414	ug/l	96
23) Vinyl Acetate	3.80	43	3358880	215.026	ug/l	100
24) 1,1-Dichloroethane	3.69	63	502383	47.173	ug/l	99
25) 2-Butanone	4.66	43	1113572	219.487	ug/l	100
26) 2,2-Dichloropropane	4.57	77	367680	44.467	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	315698	47.097	ug/l	99
28) Bromochloromethane	5.00	49	206946	50.523	ug/l	97
29) Tetrahydrofuran	5.12	42	720882	254.033	ug/l	100
30) Chloroform	5.20	83	486811	48.220	ug/l	98
31) Cyclohexane	5.57	56	447896	47.287	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	408454	47.471	ug/l	99
36) 1,1-Dichloropropene	5.79	75	368682	45.596	ug/l	99
37) Ethyl Acetate	4.82	43	430886	48.257	ug/l	99
38) Carbon Tetrachloride	5.78	117	345896	46.958	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	439621	44.033	ug/l	99
40) Benzene	6.13	78	1142369	45.917	ug/l	100
41) Methacrylonitrile	5.03	41	241986	48.844	ug/l	100
42) 1,2-Dichloroethane	6.19	62	390737	46.332	ug/l	100
43) Isopropyl Acetate	6.44	43	716774	48.506	ug/l	100
44) Trichloroethene	7.20	130	316421	46.046	ug/l	98
45) 1,2-Dichloropropane	7.51	63	300332	47.098	ug/l	95
46) Dibromomethane	7.65	93	192159	45.579	ug/l	99
47) Bromodichloromethane	7.89	83	376661	47.437	ug/l	100
48) Methyl methacrylate	7.76	41	352452	48.709	ug/l	99
49) 1,4-Dioxane	7.73	88	152473	1035.449	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2276520	245.307	ug/l	99
52) Toluene	8.78	92	723765	46.026	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	420166	48.259	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	469439	48.398	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	293228	46.525	ug/l	100
56) Ethyl methacrylate	9.17	69	487685	49.260	ug/l	99
57) 1,3-Dichloropropane	9.37	76	501482	47.292	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	939304	250.708	ug/l	99
59) 2-Hexanone	9.49	43	1741557	233.120	ug/l	100
60) Dibromochloromethane	9.58	129	310169	49.510	ug/l	99
61) 1,2-Dibromoethane	9.67	107	306841	47.583	ug/l	99
64) Tetrachloroethene	9.33	164	403842	57.054	ug/l	97
65) Chlorobenzene	10.14	112	778830	45.792	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	291575	48.013	ug/l	98
67) Ethyl Benzene	10.25	91	1361190	46.551	ug/l	100
68) m/p-Xylenes	10.36	106	1040896	92.554	ug/l	100
69) o-Xylene	10.70	106	513878	46.589	ug/l	99
70) Styrene	10.71	104	881583	47.266	ug/l	99
71) Bromoform	10.85	173	238928	48.945	ug/l	100
73) Isopropylbenzene	11.01	105	1327113	47.118	ug/l	100
74) N-amyl acetate	10.89	43	649614	49.204	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	460572	47.167	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	436608m	50.273	ug/l	
77) Bromobenzene	11.25	156	351534	45.363	ug/l	99
78) n-propylbenzene	11.35	91	1489371	47.143	ug/l	100
79) 2-Chlorotoluene	11.42	91	892984	46.499	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1117417	47.140	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	157570	51.210	ug/l	99
82) 4-Chlorotoluene	11.51	91	1020212	45.798	ug/l	99
83) tert-Butylbenzene	11.76	119	993279	43.058	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	1115931	47.009	ug/l	99
85) sec-Butylbenzene	11.94	105	1265798	46.481	ug/l	100
86) p-Isopropyltoluene	12.06	119	1162129	46.652	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	600303	44.200	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	601439	43.551	ug/l	99
89) n-Butylbenzene	12.39	91	954986	44.929	ug/l	99
90) Hexachloroethane	12.59	117	209458	46.813	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	614056	44.913	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	98684	45.668	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	379423	42.698	ug/l	98
94) Hexachlorobutadiene	13.78	225	178539	41.805	ug/l	99
95) Naphthalene	13.83	128	1222285	46.816	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	398491	45.427	ug/l	98

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

