

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122019\
 Data File : VX014163.D
 Acq On : 20 Dec 2019 10:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/23/2019 10:25:01 AM

Quant Time: Dec 20 23:16:54 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	545184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	814548	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	734619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	380353	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	299475	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
35) Dibromofluoromethane	5.48	113	246275	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	8.71	98	951522	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
62) 4-Bromofluorobenzene	11.13	95	352263	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	226918	46.525	ug/l	99
3) Chloromethane	1.32	50	294193	44.946	ug/l	99
4) Vinyl Chloride	1.40	62	317543	45.976	ug/l	100
5) Bromomethane	1.63	94	219044	44.684	ug/l	98
6) Chloroethane	1.71	64	201680	47.312	ug/l	96
7) Trichlorofluoromethane	1.92	101	417489	48.830	ug/l	100
8) Diethyl Ether	2.18	74	192414	47.952	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	256218	49.714	ug/l	99
10) Methyl Iodide	2.50	142	282982	42.074	ug/l	99
11) Tert butyl alcohol	3.03	59	386892	289.781	ug/l	99
12) 1,1-Dichloroethene	2.36	96	249562	47.587	ug/l	99
13) Acrolein	2.28	56	226089	295.825	ug/l	100
14) Allyl chloride	2.72	41	463713	49.523	ug/l	100
15) Acrylonitrile	3.13	53	815815	261.793	ug/l	99
16) Acetone	2.43	43	812134	202.455	ug/l	100
17) Carbon Disulfide	2.56	76	662802	45.592	ug/l	100
18) Methyl Acetate	2.76	43	416597	52.410	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	895848	51.984	ug/l	97
20) Methylene Chloride	2.84	84	291180	46.095	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	274073	47.437	ug/l	98
22) Diisopropyl ether	3.84	45	942631	50.518	ug/l	93
23) Vinyl Acetate	3.80	43	4176041	274.252	ug/l	100
24) 1,1-Dichloroethane	3.69	63	501175	48.277	ug/l	99
25) 2-Butanone	4.65	43	1220518	246.787	ug/l	100
26) 2,2-Dichloropropane	4.57	77	407832	50.598	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	321828	49.253	ug/l	98
28) Bromochloromethane	5.00	49	193917	48.583	ug/l	99
29) Tetrahydrofuran	5.11	42	757576	273.867	ug/l	100
30) Chloroform	5.20	83	491702	49.964	ug/l	97
31) Cyclohexane	5.56	56	455132	49.293	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	411061	49.009	ug/l	99
36) 1,1-Dichloropropene	5.79	75	368813	49.346	ug/l	100
37) Ethyl Acetate	4.81	43	456001	55.250	ug/l	100
38) Carbon Tetrachloride	5.78	117	354576	52.077	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	472137	51.161	ug/l	99
40) Benzene	6.13	78	1133602	49.295	ug/l	99
41) Methacrylonitrile	5.02	41	247003	53.938	ug/l	100
42) 1,2-Dichloroethane	6.18	62	399606	51.263	ug/l	99
43) Isopropyl Acetate	6.43	43	741499	54.287	ug/l	100
44) Trichloroethene	7.20	130	312228	49.156	ug/l	98
45) 1,2-Dichloropropane	7.50	63	300786	51.031	ug/l	96
46) Dibromomethane	7.65	93	198483	50.933	ug/l	98
47) Bromodichloromethane	7.89	83	391390	53.328	ug/l	98
48) Methyl methacrylate	7.76	41	362064	54.133	ug/l	99
49) 1,4-Dioxane	7.73	88	169155	1242.781	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	2321231	270.602	ug/l	100
52) Toluene	8.78	92	723583	49.781	ug/l	100
53) t-1,3-Dichloropropene	9.03	75	438642	54.506	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	490954	54.760	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	302356	51.901	ug/l	96
56) Ethyl methacrylate	9.17	69	496570	54.264	ug/l	100
57) 1,3-Dichloropropane	9.36	76	505345	51.558	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	976351	281.930	ug/l	99
59) 2-Hexanone	9.48	43	1818845	263.398	ug/l	100
60) Dibromochloromethane	9.57	129	319733	55.215	ug/l	100
61) 1,2-Dibromoethane	9.67	107	317063	53.194	ug/l	99
64) Tetrachloroethene	9.33	164	302092	46.472	ug/l	98
65) Chlorobenzene	10.14	112	796416	50.988	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	291785	52.318	ug/l	99
67) Ethyl Benzene	10.25	91	1391724	51.825	ug/l	100
68) m/p-Xylenes	10.35	106	1066914	103.299	ug/l	100
69) o-Xylene	10.69	106	515254	50.866	ug/l	99
70) Styrene	10.71	104	896717	52.351	ug/l	99
71) Bromoform	10.85	173	250284	55.828	ug/l	99
73) Isopropylbenzene	11.01	105	1368053	51.085	ug/l	100
74) N-amyl acetate	10.89	43	665281	52.999	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	476879	51.364	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	390912m	47.341	ug/l	
77) Bromobenzene	11.25	156	360156	48.881	ug/l	98
78) n-propylbenzene	11.35	91	1563164	52.039	ug/l	99
79) 2-Chlorotoluene	11.42	91	923401	50.571	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1152083	51.117	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	164113	56.097	ug/l	99
82) 4-Chlorotoluene	11.51	91	1072693	50.646	ug/l	99
83) tert-Butylbenzene	11.76	119	1152140	52.530	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1168805	51.785	ug/l	100
85) sec-Butylbenzene	11.94	105	1348462	52.079	ug/l	100
86) p-Isopropyltoluene	12.06	119	1258701	53.144	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	642293	49.739	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	650189	49.518	ug/l	100
89) n-Butylbenzene	12.39	91	1098271	54.344	ug/l	99
90) Hexachloroethane	12.59	117	222083	52.203	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	640031	49.235	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	103628	50.438	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	458007	54.208	ug/l	100
94) Hexachlorobutadiene	13.77	225	217205	53.491	ug/l	97
95) Naphthalene	13.83	128	1399885	56.393	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	448059	53.721	ug/l	98

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

