

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122719\
 Data File : VX014330.D
 Acq On : 27 Dec 2019 23:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:04:30 AM

Quant Time: Dec 30 06:50:21 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	460770	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	736392	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	664702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	320277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	264846	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
35) Dibromofluoromethane	5.49	113	219531	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
50) Toluene-d8	8.71	98	861597	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.14	95	306970	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	178124	43.211	ug/l	99
3) Chloromethane	1.32	50	260574	47.103	ug/l	99
4) Vinyl Chloride	1.40	62	274899	47.094	ug/l	99
5) Bromomethane	1.63	94	195465	47.179	ug/l	98
6) Chloroethane	1.72	64	179512	49.827	ug/l	95
7) Trichlorofluoromethane	1.92	101	355600	49.211	ug/l	97
8) Diethyl Ether	2.18	74	168412	49.660	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	212628	48.815	ug/l	99
10) Methyl Iodide	2.50	142	261603	45.775	ug/l	99
11) Tert butyl alcohol	3.03	59	279857	248.013	ug/l	98
12) 1,1-Dichloroethene	2.37	96	217071	48.975	ug/l	98
13) Acrolein	2.28	56	183481	284.057	ug/l	97
14) Allyl chloride	2.72	41	404784	51.149	ug/l	98
15) Acrylonitrile	3.13	53	731946	277.910	ug/l	100
16) Acetone	2.43	43	767649	226.424	ug/l	100
17) Carbon Disulfide	2.56	76	536775	43.719	ug/l	99
18) Methyl Acetate	2.76	43	391774	58.316	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	771080	52.942	ug/l	98
20) Methylene Chloride	2.85	84	260347	48.765	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	237613	48.661	ug/l	98
22) Diisopropyl ether	3.84	45	853092	54.095	ug/l	92
23) Vinyl Acetate	3.81	43	2413194	187.515	ug/l	100
24) 1,1-Dichloroethane	3.69	63	447862	51.045	ug/l	100
25) 2-Butanone	4.66	43	1076653	257.581	ug/l	99
26) 2,2-Dichloropropane	4.58	77	296577	43.536	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	283017	51.248	ug/l	98
28) Bromochloromethane	5.01	49	188603	55.840	ug/l	96
29) Tetrahydrofuran	5.12	42	651631	278.724	ug/l	99
30) Chloroform	5.20	83	438419	52.711	ug/l	97
31) Cyclohexane	5.58	56	391387	50.155	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	361093	50.939	ug/l	99
36) 1,1-Dichloropropene	5.79	75	320285	47.402	ug/l	100
37) Ethyl Acetate	4.82	43	390013	52.270	ug/l	99
38) Carbon Tetrachloride	5.78	117	301203	48.933	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	382224	45.814	ug/l	96
40) Benzene	6.14	78	1018058	48.969	ug/l	99
41) Methacrylonitrile	5.03	41	220107	53.166	ug/l	98
42) 1,2-Dichloroethane	6.18	62	346621	49.185	ug/l	99
43) Isopropyl Acetate	6.43	43	645777	52.297	ug/l	99
44) Trichloroethene	7.21	130	288887	50.308	ug/l	95
45) 1,2-Dichloropropane	7.51	63	271731	50.994	ug/l	98
46) Dibromomethane	7.65	93	171189	48.591	ug/l	98
47) Bromodichloromethane	7.89	83	334199	50.368	ug/l	99
48) Methyl methacrylate	7.76	41	315718	52.214	ug/l	98
49) 1,4-Dioxane	7.73	88	112339	912.952	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	2023494	260.929	ug/l	100
52) Toluene	8.78	92	635574	48.367	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	365528	50.241	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	415214	51.227	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	266871	50.672	ug/l	99
56) Ethyl methacrylate	9.17	69	428359	51.778	ug/l	99
57) 1,3-Dichloropropane	9.37	76	449010	50.672	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	830535	265.278	ug/l	100
59) 2-Hexanone	9.48	43	1564730	250.647	ug/l	100
60) Dibromochloromethane	9.58	129	267628	51.122	ug/l	97
61) 1,2-Dibromoethane	9.67	107	273828	50.816	ug/l	99
64) Tetrachloroethene	9.33	164	392125	66.668	ug/l	98
65) Chlorobenzene	10.14	112	685546	48.506	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	253673	50.269	ug/l	100
67) Ethyl Benzene	10.25	91	1205340	49.606	ug/l	99
68) m/p-Xylenes	10.35	106	914051	97.807	ug/l	100
69) o-Xylene	10.70	106	448313	48.913	ug/l	99
70) Styrene	10.71	104	779785	50.313	ug/l	100
71) Bromoform	10.85	173	207083	51.051	ug/l #	99
73) Isopropylbenzene	11.01	105	1164605	51.646	ug/l	100
74) N-amyl acetate	10.89	43	556759	52.673	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	375182	47.990	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	332372m	47.802	ug/l	
77) Bromobenzene	11.25	156	307347	49.538	ug/l	98
78) n-propylbenzene	11.35	91	1323238	52.315	ug/l	100
79) 2-Chlorotoluene	11.42	91	794775	51.691	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	965661	50.883	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	129238	52.462	ug/l	99
82) 4-Chlorotoluene	11.51	91	907582	50.888	ug/l	99
83) tert-Butylbenzene	11.76	119	834828	45.202	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	978219	51.470	ug/l	100
85) sec-Butylbenzene	11.94	105	1124798	51.589	ug/l	100
86) p-Isopropyltoluene	12.06	119	1032854	51.788	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	534649	49.169	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	534310	48.326	ug/l	99
89) n-Butylbenzene	12.39	91	876077	51.481	ug/l	99
90) Hexachloroethane	12.59	117	181630	50.702	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	538905	49.232	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	84062	48.589	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	353479	49.684	ug/l	98
94) Hexachlorobutadiene	13.78	225	163941	47.947	ug/l	97
95) Naphthalene	13.83	128	1121576	53.657	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	362916	51.675	ug/l	99

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

