

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112219\
 Data File : VX013520.D
 Acq On : 22 Nov 2019 09:27
 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

MMDadoda
 11/25/2019 10:40:35 AM

Quant Time: Nov 22 14:09:18 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	677180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1012494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	897589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	457947	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	379095	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
35) Dibromofluoromethane	5.48	113	316231	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	8.71	98	1203605	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	11.13	95	438183	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	322335	41.312	ug/l	99
3) Chloromethane	1.31	50	345762	40.864	ug/l	99
4) Vinyl Chloride	1.40	62	426950	44.322	ug/l	99
5) Bromomethane	1.62	94	267805	39.894	ug/l	99
6) Chloroethane	1.70	64	238500	43.149	ug/l	96
7) Trichlorofluoromethane	1.92	101	488866	42.956	ug/l	98
8) Diethyl Ether	2.18	74	227204	45.146	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	309042	48.720	ug/l	98
10) Methyl Iodide	2.50	142	330882	42.132	ug/l	98
11) Tert butyl alcohol	3.03	59	422806	199.954	ug/l	99
12) 1,1-Dichloroethene	2.36	96	294136	47.352	ug/l	99
13) Acrolein	2.28	56	241346	210.597	ug/l	96
14) Allyl chloride	2.72	41	539547	47.805	ug/l	96
15) Acrylonitrile	3.13	53	967661	244.988	ug/l	98
16) Acetone	2.43	43	925475	231.279	ug/l	100
17) Carbon Disulfide	2.56	76	680888	40.954	ug/l	100
18) Methyl Acetate	2.76	43	551181	49.892	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	1048669	50.617	ug/l	99
20) Methylene Chloride	2.84	84	342862	46.374	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	310365	45.889	ug/l	96
22) Diisopropyl ether	3.84	45	1109059	50.899	ug/l	94
23) Vinyl Acetate	3.80	43	4564787	244.823	ug/l	99
24) 1,1-Dichloroethane	3.68	63	593752	48.711	ug/l	98
25) 2-Butanone	4.65	43	1408360	239.911	ug/l	99
26) 2,2-Dichloropropane	4.57	77	496727	51.226	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	383052	50.559	ug/l	99
28) Bromochloromethane	5.00	49	173273	50.066	ug/l	99
29) Tetrahydrofuran	5.11	42	857848	237.135	ug/l	100
30) Chloroform	5.20	83	592069	49.191	ug/l	97
31) Cyclohexane	5.56	56	512913	46.764	ug/l	97
32) 1,1,1-Trichloroethane	5.48	97	493036	47.598	ug/l	100
36) 1,1-Dichloropropene	5.79	75	432712	49.817	ug/l	99
37) Ethyl Acetate	4.81	43	504108	46.968	ug/l	99
38) Carbon Tetrachloride	5.77	117	423361	49.844	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	530071	48.977	ug/l	98
40) Benzene	6.13	78	1330548	49.177	ug/l	98
41) Methacrylonitrile	5.02	41	299743	49.826	ug/l	98
42) 1,2-Dichloroethane	6.18	62	476108	48.784	ug/l	98
43) Isopropyl Acetate	6.43	43	850912	50.913	ug/l	99
44) Trichloroethene	7.20	130	366535	49.215	ug/l	98
45) 1,2-Dichloropropane	7.50	63	352371	51.114	ug/l	98
46) Dibromomethane	7.65	93	229486	48.755	ug/l	98
47) Bromodichloromethane	7.89	83	464968	52.385	ug/l	94
48) Methyl methacrylate	7.76	41	421881	50.568	ug/l	98
49) 1,4-Dioxane	7.73	88	160905	842.175	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	2713657	247.479	ug/l	99
52) Toluene	8.78	92	847315	50.527	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	518713	53.444	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	573241	52.799	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	358627	51.595	ug/l	99
56) Ethyl methacrylate	9.17	69	580600	48.962	ug/l	97
57) 1,3-Dichloropropane	9.36	76	598422	50.717	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.30	63	1183597	249.043	ug/l	100
59) 2-Hexanone	9.48	43	2100664	247.905	ug/l	99
60) Dibromochloromethane	9.57	129	378703	53.273	ug/l	100
61) 1,2-Dibromoethane	9.67	107	366967	49.719	ug/l	98
64) Tetrachloroethene	9.33	164	317679	49.440	ug/l	97
65) Chlorobenzene	10.13	112	921902	50.732	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	350072	52.466	ug/l	100
67) Ethyl Benzene	10.25	91	1620290	51.662	ug/l	100
68) m/p-Xylenes	10.36	106	1239134	104.469	ug/l	100
69) o-Xylene	10.70	106	605254	52.121	ug/l	99
70) Styrene	10.71	104	1057782	54.492	ug/l	98
71) Bromoform	10.85	173	298932	48.427	ug/l	99
73) Isopropylbenzene	11.01	105	1626453	53.568	ug/l	100
74) N-amyl acetate	10.89	43	762217	54.135	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	576749	52.069	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	462319m	49.704	ug/l	
77) Bromobenzene	11.25	156	424479	52.442	ug/l	99
78) n-propylbenzene	11.35	91	1860420	55.006	ug/l	99
79) 2-Chlorotoluene	11.42	91	1081385	53.067	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1359512	53.756	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	194219	53.746	ug/l	97
82) 4-Chlorotoluene	11.51	91	1246725	52.265	ug/l	99
83) tert-Butylbenzene	11.76	119	1405930	55.225	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1378645	54.342	ug/l	99
85) sec-Butylbenzene	11.94	105	1613802	55.155	ug/l	100
86) p-Isopropyltoluene	12.06	119	1487797	55.221	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	753605	52.232	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	758476	51.597	ug/l	99
89) n-Butylbenzene	12.39	91	1302937	55.422	ug/l	99
90) Hexachloroethane	12.59	117	265040	55.212	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	765012	53.043	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	124091	45.983	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	540418	53.718	ug/l	99
94) Hexachlorobutadiene	13.78	225	253046	51.413	ug/l	99
95) Naphthalene	13.83	128	1691871	53.601	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	543749	53.894	ug/l	99

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

