

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072219\
 Data File : VX011019.D
 Acq On : 22 Jul 2019 10:21
 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
 7/23/2019 11:09:02 AM

Quant Time: Jul 23 04:49:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 04:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	219896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	325070	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168396	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	118128	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
35) Dibromofluoromethane	5.49	113	104819	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	8.71	98	381416	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.13	95	151237	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	111043	47.386	ug/l	99
3) Chloromethane	1.32	50	92106	45.548	ug/l	99
4) Vinyl Chloride	1.41	62	97355	47.200	ug/l	99
5) Bromomethane	1.64	94	50492	43.441	ug/l	99
6) Chloroethane	1.71	64	61069	46.591	ug/l	95
7) Trichlorofluoromethane	1.92	101	171403	49.092	ug/l	95
8) Diethyl Ether	2.19	74	59487	49.450	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	98959	49.640	ug/l	99
10) Methyl Iodide	2.51	142	122850	46.960	ug/l	99
11) Tert butyl alcohol	3.04	59	131400	241.183	ug/l	98
12) 1,1-Dichloroethene	2.37	96	94027	48.005	ug/l	98
13) Acrolein	2.29	56	82997	263.671	ug/l	99
14) Allyl chloride	2.72	41	143354	50.387	ug/l	100
15) Acrylonitrile	3.14	53	277980	252.502	ug/l	100
16) Acetone	2.44	43	294101	278.355	ug/l	98
17) Carbon Disulfide	2.57	76	229837	45.745	ug/l	99
18) Methyl Acetate	2.77	43	122148	50.772	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	335331	53.182	ug/l	98
20) Methylene Chloride	2.85	84	107247	47.898	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	99813	48.028	ug/l	96
22) Diisopropyl ether	3.85	45	302105	50.348	ug/l	92
23) Vinyl Acetate	3.81	43	1369894	269.448	ug/l	99
24) 1,1-Dichloroethane	3.69	63	169027	48.505	ug/l	99
25) 2-Butanone	4.67	43	409792	270.188	ug/l	99
26) 2,2-Dichloropropane	4.57	77	147678	51.613	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	116973	48.633	ug/l	100
28) Bromochloromethane	5.01	49	83248	50.695	ug/l	100
29) Tetrahydrofuran	5.12	42	241517	251.389	ug/l	100
30) Chloroform	5.21	83	188405	50.020	ug/l	99
31) Cyclohexane	5.57	56	148526	46.761	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	164581	50.505	ug/l	100
36) 1,1-Dichloropropene	5.79	75	133367	49.947	ug/l	99
37) Ethyl Acetate	4.83	43	144582	52.880	ug/l	98
38) Carbon Tetrachloride	5.78	117	147455	52.995	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	171505	49.530	ug/l	98
40) Benzene	6.13	78	404008	49.394	ug/l	99
41) Methacrylonitrile	5.04	41	80165	51.649	ug/l	97
42) 1,2-Dichloroethane	6.19	62	151697	53.341	ug/l	98
43) Isopropyl Acetate	6.43	43	241953	53.818	ug/l	99
44) Trichloroethene	7.21	130	118020	48.747	ug/l	93
45) 1,2-Dichloropropane	7.51	63	104095	50.003	ug/l	97
46) Dibromomethane	7.66	93	79721	53.592	ug/l	100
47) Bromodichloromethane	7.89	83	147511	55.707	ug/l	99
48) Methyl methacrylate	7.76	41	118364	54.044	ug/l	97
49) 1,4-Dioxane	7.74	88	62334	1017.484	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	781854	268.278	ug/l	100
52) Toluene	8.78	92	264017	49.136	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	165453	58.110	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	176330	55.655	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	117253	52.998	ug/l	99
56) Ethyl methacrylate	9.18	69	180792	55.866	ug/l	99
57) 1,3-Dichloropropane	9.37	76	182104	51.886	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	422400	273.428	ug/l	100
59) 2-Hexanone	9.49	43	614249	271.742	ug/l	100
60) Dibromochloromethane	9.58	129	133199	52.196	ug/l	99
61) 1,2-Dibromoethane	9.67	107	125938	53.638	ug/l	98
64) Tetrachloroethene	9.34	164	116134	47.965	ug/l	97
65) Chlorobenzene	10.13	112	308241	48.761	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	118420	53.301	ug/l	100
67) Ethyl Benzene	10.25	91	532281	49.469	ug/l	99
68) m/p-Xylenes	10.35	106	414521	100.431	ug/l	99
69) o-Xylene	10.69	106	201709	50.075	ug/l	99
70) Styrene	10.71	104	350108	52.139	ug/l	100
71) Bromoform	10.85	173	104455	51.553	ug/l #	99
73) Isopropylbenzene	11.02	105	543290	47.747	ug/l	100
74) N-amyl acetate	10.90	43	225623	51.896	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	184390	49.518	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	159832m	52.597	ug/l	
77) Bromobenzene	11.25	156	150194	47.854	ug/l	98
78) n-propylbenzene	11.36	91	613210	48.775	ug/l	100
79) 2-Chlorotoluene	11.42	91	369188	48.883	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	467356	49.155	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	59264	49.457	ug/l	99
82) 4-Chlorotoluene	11.51	91	431363	49.073	ug/l	99
83) tert-Butylbenzene	11.77	119	460279	49.285	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	471999	49.254	ug/l	100
85) sec-Butylbenzene	11.94	105	542569	49.581	ug/l	100
86) p-Isopropyltoluene	12.06	119	512924	50.700	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	268967	49.381	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	269307	48.209	ug/l	97
89) n-Butylbenzene	12.38	91	446459	51.583	ug/l	99
90) Hexachloroethane	12.59	117	85195	53.391	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	267708	49.593	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41228	52.967	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	191895	52.454	ug/l	100
94) Hexachlorobutadiene	13.78	225	92614	51.086	ug/l	98
95) Naphthalene	13.83	128	573135	53.054	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	188551	51.799	ug/l	99

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

