

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100419\
 Data File : VX012827.D
 Acq On : 04 Oct 2019 21:14
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 9:26:42 AM

Quant Time: Oct 05 06:42:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	164427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	279752	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	253728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	121169	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	110256	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
35) Dibromofluoromethane	5.49	113	85340	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
50) Toluene-d8	8.71	98	321118	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
62) 4-Bromofluorobenzene	11.13	95	126358	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.19	85	72896	39.408	ug/l	99
3) Chloromethane	1.32	50	84197	39.640	ug/l	99
4) Vinyl Chloride	1.40	62	89857	42.561	ug/l	96
5) Bromomethane	1.62	94	35266	42.485	ug/l	95
6) Chloroethane	1.70	64	59606	41.880	ug/l	95
7) Trichlorofluoromethane	1.92	101	131308	44.298	ug/l	97
8) Diethyl Ether	2.18	74	54923	45.213	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.37	101	84029	46.542	ug/l	97
10) Methyl Iodide	2.50	142	87517	46.408	ug/l	92
11) Tert butyl alcohol	3.04	59	149938	250.678	ug/l	98
12) 1,1-Dichloroethene	2.36	96	84634	47.873	ug/l	96
13) Acrolein	2.28	56	77206	232.462	ug/l	98
14) Allyl chloride	2.72	41	156602	44.648	ug/l	96
15) Acrylonitrile	3.13	53	287741	237.120	ug/l	99
16) Acetone	2.44	43	244819	193.036	ug/l	95
17) Carbon Disulfide	2.56	76	217457	43.876	ug/l	100
18) Methyl Acetate	2.76	43	143087	47.914	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	325053	48.576	ug/l	99
20) Methylene Chloride	2.84	84	99918	46.580	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	91544	46.740	ug/l	96
22) Diisopropyl ether	3.84	45	318306	46.966	ug/l	97
23) Vinyl Acetate	3.80	43	1382171	232.553	ug/l	97
24) 1,1-Dichloroethane	3.69	63	175420	47.616	ug/l	99
25) 2-Butanone	4.66	43	398679	219.236	ug/l	95
26) 2,2-Dichloropropane	4.57	77	126408	38.579	ug/l	95
27) cis-1,2-Dichloroethene	4.58	96	109049	47.985	ug/l	91
28) Bromochloromethane	5.00	49	66352	49.603	ug/l	97
29) Tetrahydrofuran	5.11	42	255180	230.229	ug/l	95
30) Chloroform	5.20	83	177830	47.181	ug/l	99
31) Cyclohexane	5.57	56	150681	45.211	ug/l	94
32) 1,1,1-Trichloroethane	5.48	97	155387	46.517	ug/l	98
36) 1,1-Dichloropropene	5.79	75	129088	47.872	ug/l	97
37) Ethyl Acetate	4.82	43	149926	47.558	ug/l	96
38) Carbon Tetrachloride	5.77	117	130321	47.577	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	150576	46.385	ug/l	96
40) Benzene	6.14	78	392248	49.439	ug/l	99
41) Methacrylonitrile	5.03	41	84659	47.863	ug/l	93
42) 1,2-Dichloroethane	6.18	62	142488	47.294	ug/l	97
43) Isopropyl Acetate	6.43	43	251972	47.795	ug/l	97
44) Trichloroethene	7.20	130	101489	50.037	ug/l	98
45) 1,2-Dichloropropane	7.51	63	103782	51.092	ug/l	100
46) Dibromomethane	7.65	93	67415	48.746	ug/l	99
47) Bromodichloromethane	7.89	83	139317	50.403	ug/l	99
48) Methyl methacrylate	7.76	41	121513	48.069	ug/l	91
49) 1,4-Dioxane	7.73	88	59688	1041.007	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	788691	242.354	ug/l	95
52) Toluene	8.78	92	248585	49.851	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	150310	49.150	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	161486	48.362	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	101902	51.401	ug/l	97
56) Ethyl methacrylate	9.17	69	170477	51.185	ug/l	91
57) 1,3-Dichloropropane	9.37	76	174020	50.154	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	388626	259.947	ug/l	99
59) 2-Hexanone	9.49	43	606350	243.420	ug/l	93
60) Dibromochloromethane	9.57	129	106376	53.006	ug/l	99
61) 1,2-Dibromoethane	9.67	107	105834	51.295	ug/l	99
64) Tetrachloroethene	9.33	164	91317	51.620	ug/l	93
65) Chlorobenzene	10.14	112	264129	49.435	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	99593	51.446	ug/l	99
67) Ethyl Benzene	10.25	91	483254	49.867	ug/l	100
68) m/p-Xylenes	10.35	106	361129	99.480	ug/l	99
69) o-Xylene	10.70	106	176999	50.389	ug/l	100
70) Styrene	10.71	104	305823	51.934	ug/l	99
71) Bromoform	10.85	173	74403	55.196	ug/l #	99
73) Isopropylbenzene	11.01	105	477206	48.355	ug/l	100
74) N-amyl acetate	10.89	43	222897	47.343	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.26	83	158297	48.432	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	150683m	47.012	ug/l	
77) Bromobenzene	11.25	156	108456	48.557	ug/l	99
78) n-propylbenzene	11.35	91	520023	46.804	ug/l	99
79) 2-Chlorotoluene	11.42	91	330712	47.715	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	402067	48.583	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	49038	43.845	ug/l	96
82) 4-Chlorotoluene	11.51	91	384903	48.716	ug/l	98
83) tert-Butylbenzene	11.76	119	383572	48.048	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	408534	48.935	ug/l	99
85) sec-Butylbenzene	11.94	105	450831	48.553	ug/l	98
86) p-Isopropyltoluene	12.06	119	417728	49.859	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	202732	50.436	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	202801	49.929	ug/l	99
89) n-Butylbenzene	12.38	91	360887	48.882	ug/l	99
90) Hexachloroethane	12.59	117	71447	47.833	ug/l	92
91) 1,2-Dichlorobenzene	12.38	146	203575	50.588	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	40062	49.001	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	128887	52.518	ug/l	100
94) Hexachlorobutadiene	13.77	225	52330	49.565	ug/l	99
95) Naphthalene	13.83	128	453206	51.041	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	128973	52.462	ug/l	98

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

