

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX041720\
 Data File : VX015731.D
 Acq On : 17 Apr 2020 12:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:57:04 AM

Quant Time: Apr 20 02:23:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	995033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1448974	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1333285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	723851	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	612909	43.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.34%	
35) Dibromofluoromethane	5.46	113	484512	52.31	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.62%	
50) Toluene-d8	8.70	98	1811132	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
62) 4-Bromofluorobenzene	11.12	95	730756	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	397208	45.310	ug/l	99
3) Chloromethane	1.31	50	497181	44.534	ug/l	99
4) Vinyl Chloride	1.39	62	505237	49.287	ug/l	99
5) Bromomethane	1.62	94	226453	47.523	ug/l	99
6) Chloroethane	1.70	64	319185	50.205	ug/l	99
7) Trichlorofluoromethane	1.91	101	722605	52.563	ug/l	98
8) Diethyl Ether	2.17	74	295395	50.943	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.36	101	490196	54.697	ug/l	97
10) Methyl Iodide	2.49	142	587003	48.581	ug/l	97
11) Tert butyl alcohol	3.01	59	651066	193.823	ug/l	98
12) 1,1-Dichloroethene	2.35	96	460355	49.004	ug/l	94
13) Acrolein	2.27	56	576862	301.472	ug/l	100
14) Allyl chloride	2.70	41	1024317	46.665	ug/l	98
15) Acrylonitrile	3.11	53	1517402	236.872	ug/l	99
16) Acetone	2.42	43	1442477	239.246	ug/l	96
17) Carbon Disulfide	2.55	76	1191994	41.594	ug/l	100
18) Methyl Acetate	2.75	43	752312	48.888	ug/l	98
19) Methyl tert-butyl Ether	3.16	73	1776951	48.771	ug/l	99
20) Methylene Chloride	2.83	84	539200	47.879	ug/l	93
21) trans-1,2-Dichloroethene	3.14	96	512108	49.120	ug/l	95
22) Diisopropyl ether	3.82	45	1942546	49.943	ug/l	97
23) Vinyl Acetate	3.78	43	8374306	237.796	ug/l	99
24) 1,1-Dichloroethane	3.67	63	983591	48.029	ug/l	99
25) 2-Butanone	4.63	43	2209875	227.908	ug/l	99
26) 2,2-Dichloropropane	4.55	77	894015	53.185	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	604284	50.098	ug/l	99
28) Bromochloromethane	4.98	49	457463	46.786	ug/l	96
29) Tetrahydrofuran	5.09	42	1391473	223.225	ug/l	99
30) Chloroform	5.17	83	975410	49.506	ug/l	94
31) Cyclohexane	5.54	56	882298	49.663	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	887565	49.777	ug/l	99
36) 1,1-Dichloropropene	5.76	75	730193	54.693	ug/l	99
37) Ethyl Acetate	4.79	43	845141	48.617	ug/l	100
38) Carbon Tetrachloride	5.75	117	773732	53.508	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	890515	57.851	ug/l	95
40) Benzene	6.11	78	2124307	54.319	ug/l	100
41) Methacrylonitrile	5.00	41	492587	51.046	ug/l	98
42) 1,2-Dichloroethane	6.16	62	827149	52.655	ug/l	98
43) Isopropyl Acetate	6.41	43	1467956	50.024	ug/l	99
44) Trichloroethene	7.18	130	611584	57.341	ug/l	96
45) 1,2-Dichloropropane	7.49	63	575874	53.828	ug/l	96
46) Dibromomethane	7.64	93	375201	53.464	ug/l	96
47) Bromodichloromethane	7.87	83	798700	53.411	ug/l	99
48) Methyl methacrylate	7.75	41	733153	50.019	ug/l	96
49) 1,4-Dioxane	7.72	88	274842	1005.137	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	4302091	258.686	ug/l	99
52) Toluene	8.76	92	1386166	57.491	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	909470	51.857	ug/l	98
54) cis-1,3-Dichloropropene	8.42	75	977269	54.702	ug/l	92
55) 1,1,2-Trichloroethane	9.20	97	560162	56.706	ug/l	97
56) Ethyl methacrylate	9.16	69	920838	52.893	ug/l	97
57) 1,3-Dichloropropane	9.36	76	966404	54.299	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	2147619	253.616	ug/l	99
59) 2-Hexanone	9.47	43	3313325	263.890	ug/l	98
60) Dibromochloromethane	9.56	129	662277	55.793	ug/l	99
61) 1,2-Dibromoethane	9.65	107	584690	54.434	ug/l	98
64) Tetrachloroethene	9.32	164	582292	57.871	ug/l	97
65) Chlorobenzene	10.12	112	1543664	58.055	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	587844	55.338	ug/l	98
67) Ethyl Benzene	10.23	91	2682088	56.873	ug/l	100
68) m/p-Xylenes	10.34	106	2061014	117.366	ug/l	97
69) o-Xylene	10.68	106	998959	57.568	ug/l	98
70) Styrene	10.70	104	1762128	57.708	ug/l	98
71) Bromoform	10.84	173	504056	52.124	ug/l	97
73) Isopropylbenzene	11.00	105	2682376	56.556	ug/l	100
74) N-amyl acetate	10.88	43	1270640	48.169	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.25	83	841263	51.692	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	789360m	53.029	ug/l	
77) Bromobenzene	11.24	156	698109	55.183	ug/l	96
78) n-propylbenzene	11.34	91	3057942	56.386	ug/l	99
79) 2-Chlorotoluene	11.40	91	1809119	54.425	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	2302710	56.850	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.06	75	301636	48.622	ug/l	97
82) 4-Chlorotoluene	11.50	91	2152730	55.243	ug/l	100
83) tert-Butylbenzene	11.76	119	2331593	58.931	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	2340102	56.693	ug/l	98
85) sec-Butylbenzene	11.93	105	2659218	58.115	ug/l	99
86) p-Isopropyltoluene	12.05	119	2514444	59.192	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	1281634	56.590	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	1323115	57.355	ug/l	99
89) n-Butylbenzene	12.37	91	2242096	58.407	ug/l	99
90) Hexachloroethane	12.58	117	436663	52.813	ug/l	90
91) 1,2-Dichlorobenzene	12.38	146	1294251	58.395	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.98	75	200942	43.746	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	1023616	58.388	ug/l	97
94) Hexachlorobutadiene	13.77	225	483574	57.935	ug/l	96
95) Naphthalene	13.82	128	2931586	54.820	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	1023550	60.640	ug/l	98

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

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