

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042120\
 Data File : VX015809.D
 Acq On : 21 Apr 2020 20:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/22/2020 10:02:01 AM

Quant Time: Apr 22 06:37:56 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	5.64	168	881515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1376626	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1301960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	703781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	592307	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
35) Dibromofluoromethane	5.47	113	473105	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	
50) Toluene-d8	8.70	98	1791735	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
62) 4-Bromofluorobenzene	11.12	95	744501	56.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	308106	39.672	ug/l	100
3) Chloromethane	1.31	50	376255	38.043	ug/l	97
4) Vinyl Chloride	1.39	62	433912	47.780	ug/l	98
5) Bromomethane	1.62	94	156936	35.074	ug/l	98
6) Chloroethane	1.71	64	271626	48.226	ug/l	98
7) Trichlorofluoromethane	1.92	101	600356	49.294	ug/l	97
8) Diethyl Ether	2.17	74	267586	52.090	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	411921	51.882	ug/l	97
10) Methyl Iodide	2.49	142	396917	37.079	ug/l	95
11) Tert butyl alcohol	3.01	59	627923	211.005	ug/l	100
12) 1,1-Dichloroethene	2.36	96	419609	50.419	ug/l	98
13) Acrolein	2.28	56	419687	247.576	ug/l	99
14) Allyl chloride	2.71	41	922921	47.461	ug/l	95
15) Acrylonitrile	3.12	53	1494831	263.398	ug/l	98
16) Acetone	2.42	43	1296948	242.810	ug/l	95
17) Carbon Disulfide	2.55	76	1081798	42.610	ug/l	98
18) Methyl Acetate	2.75	43	806898	59.188	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	1666885	51.642	ug/l	100
20) Methylene Chloride	2.84	84	508009	50.918	ug/l	91
21) trans-1,2-Dichloroethene	3.14	96	465275	50.375	ug/l	97
22) Diisopropyl ether	3.83	45	1803179	52.329	ug/l	87
23) Vinyl Acetate	3.79	43	7675860	246.031	ug/l	99
24) 1,1-Dichloroethane	3.67	63	923162	50.883	ug/l	99
25) 2-Butanone	4.64	43	2107608	245.352	ug/l	100
26) 2,2-Dichloropropane	4.56	77	727377	48.844	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	568448	53.196	ug/l	95
28) Bromochloromethane	4.98	49	390996	45.138	ug/l	94
29) Tetrahydrofuran	5.09	42	1349819	244.428	ug/l	96
30) Chloroform	5.18	83	915288	52.437	ug/l	96
31) Cyclohexane	5.56	56	784772	49.862	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	803582	50.870	ug/l	98
36) 1,1-Dichloropropene	5.78	75	660018	52.035	ug/l	99
37) Ethyl Acetate	4.80	43	816766	49.454	ug/l	99
38) Carbon Tetrachloride	5.76	117	669492	48.732	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	776908	53.123	ug/l	95
40) Benzene	6.12	78	2011440	54.136	ug/l	99
41) Methacrylonitrile	5.01	41	487411	53.164	ug/l	97
42) 1,2-Dichloroethane	6.17	62	742029	49.719	ug/l	97
43) Isopropyl Acetate	6.42	43	1432622	51.385	ug/l	98
44) Trichloroethene	7.19	130	681606	67.265	ug/l	93
45) 1,2-Dichloropropane	7.50	63	554961	54.600	ug/l	96
46) Dibromomethane	7.64	93	362857	54.422	ug/l	94
47) Bromodichloromethane	7.88	83	741549	52.196	ug/l	97
48) Methyl methacrylate	7.75	41	712506	51.165	ug/l	94
49) 1,4-Dioxane	7.72	88	237844	915.543	ug/l	95
51) 4-Methyl-2-Pentanone	8.62	43	4261370	269.704	ug/l	98
52) Toluene	8.77	92	1304000	56.926	ug/l	97
53) t-1,3-Dichloropropene	9.03	75	886334	53.194	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	925042	54.500	ug/l	93
55) 1,1,2-Trichloroethane	9.20	97	544126	57.977	ug/l	97
56) Ethyl methacrylate	9.16	69	914487	55.289	ug/l	94
57) 1,3-Dichloropropane	9.36	76	917509	54.261	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.29	63	2018817	250.935	ug/l	99
59) 2-Hexanone	9.48	43	3198137	268.102	ug/l	96
60) Dibromochloromethane	9.57	129	595060	52.765	ug/l	98
61) 1,2-Dibromoethane	9.66	107	566259	55.489	ug/l	97
64) Tetrachloroethene	9.32	164	907756	92.387	ug/l	94
65) Chlorobenzene	10.12	112	1461284	56.279	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	567371	54.696	ug/l	98
67) Ethyl Benzene	10.24	91	2520924	54.742	ug/l	100
68) m/p-Xylenes	10.34	106	1891519	110.306	ug/l	98
69) o-Xylene	10.68	106	937338	55.316	ug/l	99
70) Styrene	10.70	104	1660459	55.687	ug/l	98
71) Bromoform	10.84	173	472173	50.002	ug/l #	97
73) Isopropylbenzene	11.01	105	2507197	54.370	ug/l	99
74) N-amyl acetate	10.88	43	1294119	50.458	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	649067	41.020	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	749042m	51.756	ug/l	
77) Bromobenzene	11.24	156	686481	55.811	ug/l	94
78) n-propylbenzene	11.35	91	2836837	53.800	ug/l	100
79) 2-Chlorotoluene	11.41	91	1720896	53.247	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	2125081	53.961	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.06	75	300537	49.827	ug/l	95
82) 4-Chlorotoluene	11.50	91	2028073	53.528	ug/l	99
83) tert-Butylbenzene	11.76	119	1919242	49.892	ug/l	94
84) 1,2,4-Trimethylbenzene	11.79	105	2173197	54.151	ug/l	99
85) sec-Butylbenzene	11.93	105	2440408	54.854	ug/l	99
86) p-Isopropyltoluene	12.05	119	2318879	56.145	ug/l	98
87) 1,3-Dichlorobenzene	12.01	146	1223156	55.548	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	1229967	54.838	ug/l	99
89) n-Butylbenzene	12.37	91	2016612	54.031	ug/l	98
90) Hexachloroethane	12.58	117	223117	27.755	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	1194415	55.427	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	197775	44.285	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	963818	56.545	ug/l	97
94) Hexachlorobutadiene	13.77	225	409191	50.421	ug/l	96
95) Naphthalene	13.82	128	2803144	53.913	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	934556	56.947	ug/l	98

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

