

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U050720\
 Data File : VU038078.D
 Acq On : 08 May 2020 07:18
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00521

Quant Time: May 08 07:42:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 08 07:40:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	350677	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	340581	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	158406	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	142173	4.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.60%
7) Chloroethane-d5	1.93	69	125958	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.59	63	226492	4.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.40%
20) 2-Butanone-d5	4.66	46	365903	46.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.46%
24) Chloroform-d	5.10	84	214968	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.74	65	131937	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.76	84	477277	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.72	67	159600	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.92	98	418739	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.20	79	57744	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.65	63	292972	47.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.04%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	126776	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	144722	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	134500	4.194	ug/L 99
3) Chloromethane	1.53	50	174936	4.526	ug/L 98
5) Vinyl chloride	1.62	62	174238	4.601	ug/L 99
6) Bromomethane	1.87	94	89068	4.131	ug/L 99
8) Chloroethane	1.95	64	104748	4.497	ug/L 100
9) Trichlorofluoromethane	2.16	101	168723	4.357	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	97576	4.064	ug/L 99
12) 1,1-Dichloroethene	2.60	96	104628	4.299	ug/L 93
13) Acetone	2.65	43	240020	48.340	ug/L 100
14) Carbon disulfide	2.82	76	359048	4.136	ug/L 99
15) Methyl Acetate	2.98	43	59587	4.290	ug/L 95
16) Methylene chloride	3.08	84	131035	4.619	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	312728	4.625	ug/L 99
18) trans-1,2-Dichloroethene	3.38	96	117191	4.411	ug/L 98
19) 1,1-Dichloroethane	3.91	63	240678	4.638	ug/L 99
21) 2-Butanone	4.74	43	419440	47.859	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	131010	4.576	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	57984	4.706	ug/L	94
25) Chloroform	5.12	83	240139	4.961	ug/L	97
27) 1,2-Dichloroethane	5.83	62	160076	4.685	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	175112	4.488	ug/L	99
30) Cyclohexane	5.42	56	194943	4.231	ug/L	99
31) Carbon tetrachloride	5.56	117	133437	4.255	ug/L	98
33) Benzene	5.81	78	509157	4.668	ug/L	100
34) Trichloroethene	6.57	95	120771	4.427	ug/L	99
35) Methylcyclohexane	6.79	83	180113	4.076	ug/L	99
37) 1,2-Dichloropropane	6.82	63	139413	4.706	ug/L	99
38) Bromodichloromethane	7.13	83	157855	4.609	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	188032	4.435	ug/L	97
40) 4-Methyl-2-pentanone	7.82	43	991592	48.295	ug/L	100
42) Toluene	7.99	91	523142	4.544	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	160908	4.463	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	95950	4.664	ug/L	96
47) Tetrachloroethene	8.57	164	81158	4.254	ug/L	96
48) 2-Hexanone	8.70	43	750020	49.880	ug/L	99
49) Dibromochloromethane	8.83	129	99498	4.660	ug/L	97
50) 1,2-Dibromoethane	8.94	107	91396	4.787	ug/L	98
51) Chlorobenzene	9.47	112	324217	4.538	ug/L	99
52) Ethylbenzene	9.59	91	550774	4.416	ug/L	99
53) m,p-Xylene	9.71	106	213190	4.458	ug/L	95
54) o-Xylene	10.12	106	208439	4.508	ug/L	99
55) Styrene	10.13	104	354047	4.561	ug/L	99
56) Isopropylbenzene	10.50	105	519527	4.374	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	121333	4.645	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	93857	4.720	ug/L	99
61) Bromoform	10.31	173	50991	4.762	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	238167	4.621	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	237754	4.552	ug/L	97
65) 1,2-Dichlorobenzene	12.22	146	232987	4.699	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.01	75	18759	4.629	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	167043	4.466	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	153256	4.518	ug/L	98
69) Naphthalene	14.11	128	341041	4.776	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	144332	4.578	ug/L	99

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

