

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051920\
 Data File : VU038238.D
 Acq On : 19 May 2020 16:35
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Quant Time: May 20 01:28:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 20 01:25:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	310932	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	300086	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	149170	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	151059	5.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.20%
7) Chloroethane-d5	1.93	69	128357	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.59	63	236406	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	4.68	46	463732	66.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.18%#
24) Chloroform-d	5.10	84	243955	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.00%
26) 1,2-Dichloroethane-d4	5.74	65	142492	5.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.20%
32) Benzene-d6	5.76	84	497059	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
36) 1,2-Dichloropropane-d6	6.72	67	167840	5.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.60%
41) Toluene-d8	7.92	98	445939	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
43) trans-1,3-Dichloropropene-	8.20	79	66346	5.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	114.20%
46) 2-Hexanone-d5	8.66	63	337540	61.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.96%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	138425	6.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.80%#
64) 1,2-Dichlorobenzene-d4	12.20	152	160437	5.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	119072	4.187	ug/L 100
3) Chloromethane	1.53	50	159979	4.668	ug/L 99
5) Vinyl chloride	1.62	62	161312	4.804	ug/L 98
6) Bromomethane	1.87	94	82615	4.321	ug/L 96
8) Chloroethane	1.95	64	97646	4.727	ug/L 98
9) Trichlorofluoromethane	2.16	101	161968	4.717	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	98744	4.639	ug/L 98
12) 1,1-Dichloroethene	2.60	96	101056	4.683	ug/L 96
13) Acetone	2.68	43	264823	60.153	ug/L 99
14) Carbon disulfide	2.82	76	328133	4.263	ug/L 98
15) Methyl Acetate	2.99	43	65768	5.340	ug/L 97
16) Methylene chloride	3.08	84	126781	5.041	ug/L 99
17) Methyl tert-butyl Ether	3.40	73	306414	5.111	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	113812	4.831	ug/L 97
19) 1,1-Dichloroethane	3.91	63	235253	5.113	ug/L 99
21) 2-Butanone	4.76	43	466084	59.980	ug/L 100
22) cis-1,2-Dichloroethene	4.71	96	129989	5.120	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	57670	5.279	ug/L	98
25) Chloroform	5.12	83	223721	5.213	ug/L	99
27) 1,2-Dichloroethane	5.83	62	159656	5.270	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	173876	5.057	ug/L	98
30) Cyclohexane	5.42	56	177967	4.384	ug/L	99
31) Carbon tetrachloride	5.56	117	136769	4.949	ug/L	100
33) Benzene	5.81	78	500984	5.213	ug/L	100
34) Trichloroethene	6.57	95	120382	5.009	ug/L	99
35) Methylcyclohexane	6.79	83	168007	4.315	ug/L	98
37) 1,2-Dichloropropane	6.82	63	133276	5.106	ug/L	100
38) Bromodichloromethane	7.13	83	159777	5.295	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	186250	4.986	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	1030266	56.950	ug/L	99
42) Toluene	7.99	91	508419	5.012	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	166368	5.237	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	98474	5.433	ug/L	98
47) Tetrachloroethene	8.57	164	80058	4.762	ug/L	99
48) 2-Hexanone	8.71	43	767158	57.905	ug/L	100
49) Dibromochloromethane	8.83	129	103024	5.477	ug/L	99
50) 1,2-Dibromoethane	8.94	107	91661	5.449	ug/L	97
51) Chlorobenzene	9.47	112	324844	5.160	ug/L	98
52) Ethylbenzene	9.59	91	534346	4.863	ug/L	100
53) m,p-Xylene	9.71	106	209201	4.965	ug/L	96
54) o-Xylene	10.11	106	203078	4.985	ug/L	100
55) Styrene	10.13	104	349521	5.111	ug/L	100
56) Isopropylbenzene	10.50	105	508041	4.855	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	126909	5.515	ug/L	95
59) 1,2,3-Trichloropropane	10.84	75	96507	5.509	ug/L	99
61) Bromoform	10.31	173	53947	5.350	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	240654	4.958	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	244678	4.975	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	237711	5.091	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	20400	5.345	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	171084	4.858	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	161495	5.056	ug/L	99
69) Naphthalene	14.11	128	348451	5.181	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	152388	5.133	ug/L	100

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

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