

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120519\
 Data File : VU036011.D
 Acq On : 05 Dec 2019 22:18
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Quant Time: Dec 06 01:04:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 06 00:57:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	307607	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	321018	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	146962	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	121989	3.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.60%
7) Chloroethane-d5	1.93	69	112771	4.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.20%
11) 1,1-Dichloroethene-d2	2.60	63	194032	3.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.00%
20) 2-Butanone-d5	4.69	46	202848	32.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	65.34%
24) Chloroform-d	5.11	84	205533	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
26) 1,2-Dichloroethane-d4	5.75	65	110490	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
32) Benzene-d6	5.77	84	426201	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.73	67	129501	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.20%
41) Toluene-d8	7.93	98	399786	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.21	79	50789	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.67	63	215707	44.11	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.22%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	112698	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	136070	4.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	148909	4.675	ug/L 99
3) Chloromethane	1.54	50	142324	3.912	ug/L 98
5) Vinyl chloride	1.62	62	154990	4.218	ug/L 89
6) Bromomethane	1.87	94	63878	3.032	ug/L 97
8) Chloroethane	1.95	64	93719	4.113	ug/L 98
9) Trichlorofluoromethane	2.16	101	205257	4.757	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	111951	4.735	ug/L 92
12) 1,1-Dichloroethene	2.61	96	103272	4.685	ug/L 82
13) Acetone	2.66	43	161880	28.836	ug/L 98
14) Carbon disulfide	2.83	76	340533	4.410	ug/L 98
15) Methyl Acetate	2.99	43	40364	4.012	ug/L 95
16) Methylene chloride	3.08	84	126715	3.711	ug/L 95
17) Methyl tert-butyl Ether	3.42	73	222604	4.310	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	109698	4.699	ug/L 93
19) 1,1-Dichloroethane	3.92	63	207127	4.539	ug/L 98
21) 2-Butanone	4.76	43	253856	35.225	ug/L 90
22) cis-1,2-Dichloroethene	4.72	96	117742	4.774	ug/L 88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	56789	5.030	ug/L	90
25) Chloroform	5.14	83	226871	4.927	ug/L	98
27) 1,2-Dichloroethane	5.84	62	132157	4.491	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	180074	4.638	ug/L	97
30) Cyclohexane	5.44	56	158024	4.121	ug/L	95
31) Carbon tetrachloride	5.57	117	165729	4.815	ug/L	98
33) Benzene	5.82	78	473222	4.688	ug/L	100
34) Trichloroethene	6.58	95	121866	4.774	ug/L	93
35) Methylcyclohexane	6.80	83	164511	4.298	ug/L	96
37) 1,2-Dichloropropane	6.83	63	117851	4.311	ug/L	100
38) Bromodichloromethane	7.14	83	151778	4.639	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	157446	4.341	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	624694	38.883	ug/L	99
42) Toluene	8.00	91	510451	4.841	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	129424	4.174	ug/L	97
45) 1,1,2-Trichloroethane	8.44	97	89545	4.812	ug/L	96
47) Tetrachloroethene	8.58	164	104794	5.051	ug/L	96
48) 2-Hexanone	8.73	43	469290	39.545	ug/L #	96
49) Dibromochloromethane	8.84	129	112318	4.950	ug/L	99
50) 1,2-Dibromoethane	8.96	107	83071	4.600	ug/L	93
51) Chlorobenzene	9.48	112	323175	4.908	ug/L	96
52) Ethylbenzene	9.60	91	500254	4.693	ug/L	99
53) m,p-Xylene	9.72	106	199637	4.961	ug/L	98
54) o-Xylene	10.13	106	184968	4.899	ug/L	93
55) Styrene	10.14	104	319335	5.029	ug/L	98
56) Isopropylbenzene	10.51	105	476150	4.810	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	103262	4.135	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	78886	4.440	ug/L	99
61) Bromoform	10.32	173	64722	4.768	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	230475	4.715	ug/L	96
63) 1,4-Dichlorobenzene	11.86	146	223293	4.603	ug/L	96
65) 1,2-Dichlorobenzene	12.24	146	218668	4.681	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	13482	3.705	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	122115	3.660	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	58318	3.262	ug/L	99
69) Naphthalene	14.11	128	56512	2.776	ug/L	97
70) 1,2,3-Trichlorobenzene	14.35	180	57791	3.264	ug/L	98

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

