

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U123119\
 Data File : VU036382.D
 Acq On : 31 Dec 2019 10:36
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Quant Time: Jan 01 01:18:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR122819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 31 07:33:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	300377	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	287343	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	135245	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	93107	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	1.93	69	87706	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.59	63	184693	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.40%
20) 2-Butanone-d5	4.69	46	247232	44.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.82%
24) Chloroform-d	5.11	84	206960	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.74	65	110560	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	5.77	84	389735	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.73	67	129478	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.93	98	351120	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.21	79	54977	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	8.67	63	253612	48.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.12%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	108104	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	131530	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	110371	4.600	ug/L 100
3) Chloromethane	1.54	50	107187	4.621	ug/L 93
5) Vinyl chloride	1.62	62	117504	4.675	ug/L 98
6) Bromomethane	1.87	94	66769	4.610	ug/L 92
8) Chloroethane	1.95	64	65749	4.421	ug/L 98
9) Trichlorofluoromethane	2.16	101	165315	4.637	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	90409	4.876	ug/L 99
12) 1,1-Dichloroethene	2.60	96	89593	4.900	ug/L 96
13) Acetone	2.67	43	149864	41.790	ug/L 93
14) Carbon disulfide	2.82	76	283381	4.726	ug/L 99
15) Methyl Acetate	2.99	43	35428	4.476	ug/L 98
16) Methylene chloride	3.08	84	101140	4.358	ug/L 99
17) Methyl tert-butyl Ether	3.41	73	251069	4.747	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	98854	4.829	ug/L 97
19) 1,1-Dichloroethane	3.92	63	181605	4.899	ug/L 97
21) 2-Butanone	4.76	43	241942	41.694	ug/L 93
22) cis-1,2-Dichloroethene	4.71	96	109725	4.775	ug/L # 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	45877	4.793	ug/L	90
25) Chloroform	5.13	83	189243	4.808	ug/L	100
27) 1,2-Dichloroethane	5.84	62	121480	4.687	ug/L	99
29) 1,1,1-Trichloroethane	5.36	97	172417	4.824	ug/L	98
30) Cyclohexane	5.43	56	175128	4.926	ug/L	97
31) Carbon tetrachloride	5.57	117	148574	4.889	ug/L	99
33) Benzene	5.82	78	409147	4.805	ug/L	100
34) Trichloroethene	6.58	95	111776	4.874	ug/L	96
35) Methylcyclohexane	6.80	83	186261	5.125	ug/L	99
37) 1,2-Dichloropropane	6.83	63	104634	4.764	ug/L	99
38) Bromodichloromethane	7.14	83	143880	4.747	ug/L	95
39) cis-1,3-Dichloropropene	7.64	75	170607	4.738	ug/L	95
40) 4-Methyl-2-pentanone	7.83	43	748539	48.383	ug/L	98
42) Toluene	8.00	91	450615	4.783	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	140943	4.764	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	77862	4.875	ug/L	98
47) Tetrachloroethene	8.58	164	78398	4.858	ug/L	97
48) 2-Hexanone	8.72	43	501788	45.822	ug/L	95
49) Dibromochloromethane	8.84	129	94715	4.481	ug/L	95
50) 1,2-Dibromoethane	8.95	107	74309	4.589	ug/L	98
51) Chlorobenzene	9.47	112	282110	4.803	ug/L	97
52) Ethylbenzene	9.60	91	512629	4.910	ug/L	100
53) m,p-Xylene	9.72	106	196837	4.906	ug/L	98
54) o-Xylene	10.12	106	191635	4.918	ug/L	100
55) Styrene	10.14	104	318231	4.805	ug/L	99
56) Isopropylbenzene	10.51	105	503821	4.870	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	99092	4.602	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	72219	4.766	ug/L	99
61) Bromoform	10.32	173	55436	4.596	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	213670	4.726	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	213754	4.781	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	208530	4.897	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	18988	4.851	ug/L	88
67) 1,3,5-Trichlorobenzene	13.24	180	156887	4.883	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	112119	4.752	ug/L	98
69) Naphthalene	14.11	128	178694	4.350	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	104784	4.607	ug/L	99

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

