

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081419\
 Data File : VU033796.D
 Acq On : 14 Aug 2019 12:20
 Operator : JC/SP
 Sample : VSTDICV005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 15 14:48:58 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Aug 15 14:46:32 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	199263	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	198986	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	111568	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	101379	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.67	69	81228	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.20%
11) 1,1-Dichloroethene-d2	2.26	65	46477	4.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.80%
20) 2-Butanone-d5	4.18	46	205826	47.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.46%
24) Chloroform-d	4.62	84	149651	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.29	65	76534	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.32	84	295078	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.31	67	90191	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.55	98	274819	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	7.83	79	38224	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	8.30	63	156331	51.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.26%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	77928	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
66) 1,2-Dichlorobenzene-d4	11.85	152	105984	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	143985	4.985	ug/L 100
3) Chloromethane	1.32	50	142069	4.739	ug/L 96
5) Vinyl chloride	1.39	62	157348	4.814	ug/L 98
6) Bromomethane	1.62	94	93841	4.933	ug/L 100
8) Chloroethane	1.69	64	91530	4.741	ug/L 98
9) Trichlorofluoromethane	1.87	101	210949	4.711	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	113607	4.781	ug/L 99
12) 1,1-Dichloroethene	2.27	96	109152	4.754	ug/L 92
13) Acetone	2.35	43	220131	47.401	ug/L # 49
14) Carbon disulfide	2.46	76	375963	4.822	ug/L 99
15) Methyl Acetate	2.61	43	54917	4.549	ug/L 99
16) Methylene chloride	2.68	84	123589	4.611	ug/L 99
17) Methyl tert-butyl Ether	2.98	73	290204	4.881	ug/L 98
18) trans-1,2-Dichloroethene	2.96	96	119517	4.847	ug/L 94
19) 1,1-Dichloroethane	3.42	63	185394	4.810	ug/L 99
21) 2-Butanone	4.27	43	279384	48.592	ug/L 100
22) cis-1,2-Dichloroethene	4.20	96	103849	4.937	ug/L 99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	49005	4.859	ug/L	93
25) Chloroform	4.65	83	189007	4.556	ug/L	98
27) 1,2-Dichloroethane	5.38	62	122739	4.801	ug/L	97
29) 1,1,1-Trichloroethane	4.89	97	161662	4.992	ug/L	98
30) Cyclohexane	4.97	56	152227	5.194	ug/L	99
31) Carbon tetrachloride	5.11	117	144457	5.014	ug/L	98
33) Benzene	5.36	78	398088	5.002	ug/L	100
34) Trichloroethene	6.16	95	106177	5.087	ug/L	96
35) Methylcyclohexane	6.39	83	164185	5.246	ug/L	97
37) 1,2-Dichloropropane	6.41	63	107796	5.012	ug/L	99
38) Bromodichloromethane	6.74	83	131854	4.862	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	149271	5.143	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	656443	52.819	ug/L	99
42) Toluene	7.62	91	436414	5.218	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	125944	5.191	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	76013	4.947	ug/L	98
47) Tetrachloroethene	8.21	164	87192	5.011	ug/L	98
48) 2-Hexanone	8.35	43	486316	54.107	ug/L	99
49) Dibromochloromethane	8.46	129	94062	5.048	ug/L	97
50) 1,2-Dibromoethane	8.57	107	73193	4.926	ug/L	97
51) Chlorobenzene	9.10	112	273306	5.076	ug/L	98
52) Ethylbenzene	9.23	91	454581	5.252	ug/L	100
53) m,p-Xylene	9.36	106	178153	5.458	ug/L	97
54) o-Xylene	9.76	106	169574	5.472	ug/L	99
55) Styrene	9.77	104	296900	5.521	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.44	83	97600	4.835	ug/L	99
59) Isopropylbenzene	10.15	105	448112	5.268	ug/L	99
60) Bromoform	9.94	173	54461	4.779	ug/L	95
61) 1,2,3-Trichloropropane	10.48	75	70658	4.769	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	368721	5.342	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	374004	5.431	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	233717	5.138	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	237080	5.063	ug/L	99
67) 1,2-Dichlorobenzene	11.86	146	221307	5.039	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.64	75	16546	5.116	ug/L	95
69) 1,3,5-Trichlorobenzene	12.87	180	187244	5.234	ug/L	99
70) 1,2,4-trichlorobenzene	13.49	180	153917	5.528	ug/L	98
71) Naphthalene	13.73	128	253337	5.909	ug/L	99
72) 1,2,3-Trichlorobenzene	13.97	180	149905	5.713	ug/L	100

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

