

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061419\
 Data File : VU032769.D
 Acq On : 15 Jun 2019 11:22
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00527

Quant Time: Jun 17 01:31:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 17 01:26:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	95288	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	90717	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	49203	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	27170	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.67	69	23642	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.27	63	60433	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.20%
20) 2-Butanone-d5	4.18	46	96174	55.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.24%
24) Chloroform-d	4.64	84	60772	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.30	65	32944	5.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	113.60%
32) Benzene-d6	5.33	84	110629	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.32	67	36700	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.56	98	105431	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	7.85	79	14182	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.31	63	76324	51.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	33265	5.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	43519	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	43506	5.321	ug/L 99
3) Chloromethane	1.33	50	44513	5.249	ug/L 98
5) Vinyl chloride	1.40	62	43425	5.210	ug/L 99
6) Bromomethane	1.61	94	24614	4.841	ug/L 100
8) Chloroethane	1.69	64	25199	4.732	ug/L 100
9) Trichlorofluoromethane	1.88	101	62612	5.249	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	32176	5.074	ug/L 99
12) 1,1-Dichloroethene	2.28	96	29731	4.911	ug/L 93
13) Acetone	2.32	43	71426	53.225	ug/L 96
14) Carbon disulfide	2.47	76	91583	4.724	ug/L 99
15) Methyl Acetate	2.61	43	18048	4.902	ug/L 98
16) Methylene chloride	2.69	84	33659	5.013	ug/L 94
17) Methyl tert-butyl Ether	3.00	73	89041	5.029	ug/L 99
18) trans-1,2-Dichloroethene	2.97	96	32438	4.966	ug/L 98
19) 1,1-Dichloroethane	3.43	63	64875	5.549	ug/L 97
21) 2-Butanone	4.27	43	107199	54.924	ug/L 99
22) cis-1,2-Dichloroethene	4.22	96	37678	5.097	ug/L 90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	17325	5.445	ug/L	93
25) Chloroform	4.67	83	66570	5.573	ug/L	97
27) 1,2-Dichloroethane	5.40	62	45827	5.838	ug/L	99
29) 1,1,1-Trichloroethane	4.90	97	57784	5.227	ug/L	97
30) Cyclohexane	4.98	56	53937	4.616	ug/L	96
31) Carbon tetrachloride	5.12	117	53358	5.309	ug/L	99
33) Benzene	5.38	78	138596	5.182	ug/L	100
34) Trichloroethene	6.18	95	36093	4.691	ug/L	97
35) Methylcyclohexane	6.41	83	53764	4.345	ug/L	96
37) 1,2-Dichloropropane	6.42	63	36882	5.330	ug/L	99
38) Bromodichloromethane	6.75	83	47882	5.383	ug/L	98
39) cis-1,3-Dichloropropene	7.26	75	49765	4.684	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	267205	54.258	ug/L	97
42) Toluene	7.63	91	149494	5.015	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	41252	4.863	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	27451	5.452	ug/L	98
47) Tetrachloroethene	8.22	164	30391	5.020	ug/L	94
48) 2-Hexanone	8.36	43	189980	53.983	ug/L	99
49) Dibromochloromethane	8.47	129	33682	5.230	ug/L	99
50) 1,2-Dibromoethane	8.58	107	26120	5.206	ug/L	97
51) Chlorobenzene	9.11	112	93433	4.999	ug/L	99
52) Ethylbenzene	9.24	91	159679	4.861	ug/L	100
53) m,p-Xylene	9.37	106	58954	4.734	ug/L	97
54) o-Xylene	9.77	106	58775	4.729	ug/L	93
55) Styrene	9.78	104	101117	4.945	ug/L	97
56) Isopropylbenzene	10.16	105	154667	4.717	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	35565	5.523	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	25120	5.528	ug/L	97
61) Bromoform	9.95	173	19755	4.997	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	77621	4.833	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	78372	4.800	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	76432	4.925	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	5889	5.404	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	59805	4.646	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	49734	4.791	ug/L	98
69) Naphthalene	13.74	128	88765	4.878	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	48866	4.728	ug/L	98

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

