

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\
 Data File : VU030947.D
 Acq On : 09 Apr 2019 10:30
 Operator : JC/SP
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Quant Time: Apr 10 01:19:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Apr 10 01:14:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	259365	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	261604	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	123234	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	79980	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.68	69	71250	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.27	63	184950	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.20%
20) 2-Butanone-d5	4.19	46	249549	48.86	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.72%
24) Chloroform-d	4.64	84	143832	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	5.31	65	82734	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.33	84	286644	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.40%
36) 1,2-Dichloropropane-d6	6.33	67	96519	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.60%
41) Toluene-d8	7.56	98	252861	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	7.85	79	35717	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.31	63	175887	47.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	81267	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	86182	4.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	144397	4.997	ug/L	98
3) Chloromethane	1.32	50	158365	4.676	ug/L	98
5) Vinyl chloride	1.40	62	157389	5.071	ug/L	100
6) Bromomethane	1.62	94	78650	5.180	ug/L	100
8) Chloroethane	1.69	64	91267	5.170	ug/L	100
9) Trichlorofluoromethane	1.88	101	196704	5.592	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	103336	5.282	ug/L	99
12) 1,1-Dichloroethene	2.28	96	98698	5.215	ug/L	88
13) Acetone	2.32	43	239896	60.756	ug/L	98
14) Carbon disulfide	2.47	76	337183	5.080	ug/L	98
15) Methyl Acetate	2.61	43	63338	6.209	ug/L	100
16) Methylene chloride	2.69	84	116286	5.271	ug/L	98
17) Methyl tert-butyl Ether	3.00	73	282074	5.568	ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	106575	5.334	ug/L	95
19) 1,1-Dichloroethane	3.43	63	205901	4.872	ug/L	98
21) 2-Butanone	4.27	43	333975	53.369	ug/L	95
22) cis-1,2-Dichloroethene	4.22	96	104969	4.927	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	46883	5.508	ug/L	94
25) Chloroform	4.67	83	208405	5.409	ug/L	100
27) 1,2-Dichloroethane	5.40	62	130753	5.230	ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	166492	4.996	ug/L	99
30) Cyclohexane	4.98	56	161738	4.020	ug/L	95
31) Carbon tetrachloride	5.13	117	142412	5.090	ug/L	95
33) Benzene	5.38	78	418271	4.726	ug/L	100
34) Trichloroethene	6.18	95	104539	4.719	ug/L	97
35) Methylcyclohexane	6.41	83	152815	4.322	ug/L	99
37) 1,2-Dichloropropane	6.43	63	116586	4.787	ug/L	99
38) Bromodichloromethane	6.76	83	136927	4.815	ug/L	96
39) cis-1,3-Dichloropropene	7.27	75	143662	4.411	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	764566	50.326	ug/L	99
42) Toluene	7.63	91	431803	4.865	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	120963	4.798	ug/L	94
45) 1,1,2-Trichloroethane	8.06	97	75563	5.203	ug/L	97
47) Tetrachloroethene	8.22	164	77650	4.997	ug/L	97
48) 2-Hexanone	8.36	43	558762	53.081	ug/L	100
49) Dibromochloromethane	8.47	129	92238	5.312	ug/L	99
50) 1,2-Dibromoethane	8.58	107	70823	5.232	ug/L	98
51) Chlorobenzene	9.12	112	257434	4.704	ug/L	98
52) Ethylbenzene	9.25	91	437092	4.618	ug/L	97
53) m,p-Xylene	9.37	106	155470	4.702	ug/L	95
54) o-Xylene	9.77	106	154836	4.775	ug/L	94
55) Styrene	9.79	104	271698	4.967	ug/L	98
56) Isopropylbenzene	10.16	105	413374	4.772	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	100698	5.216	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	72707	5.343	ug/L	100
61) Bromoform	9.95	173	49479	5.302	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	179697	4.621	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	182466	4.476	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	174383	4.609	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.65	75	15315	5.231	ug/L	92
67) 1,3,5-Trichlorobenzene	12.88	180	135644	4.675	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	101040	4.509	ug/L	96
69) Naphthalene	13.74	128	154513	4.294	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	105390	5.047	ug/L	94

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

