

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050819\
 Data File : VU031837.D
 Acq On : 08 May 2019 21:51
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00524

Quant Time: May 09 05:37:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 09 05:32:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	410575	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	414318	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	181377	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	127720	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.67	69	114770	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.27	63	273810	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.80%
20) 2-Butanone-d5	4.19	46	510838	46.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.52%
24) Chloroform-d	4.64	84	271824	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.31	65	147512	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
32) Benzene-d6	5.33	84	504895	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.32	67	177864	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.56	98	436952	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	7.85	79	59399	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.31	63	362885	52.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.00%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	148335	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	155377	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	203092	4.297	ug/L	98
3) Chloromethane	1.32	50	250048	4.439	ug/L	98
5) Vinyl chloride	1.40	62	235982	4.792	ug/L	99
6) Bromomethane	1.62	94	109401	4.840	ug/L	96
8) Chloroethane	1.69	64	132452	4.884	ug/L	98
9) Trichlorofluoromethane	1.88	101	260682	4.577	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	145406	4.906	ug/L	96
12) 1,1-Dichloroethene	2.28	96	142814	5.117	ug/L	85
13) Acetone	2.32	43	331555	44.434	ug/L	93
14) Carbon disulfide	2.47	76	472653	4.811	ug/L	100
15) Methyl Acetate	2.62	43	91173	4.736	ug/L	96
16) Methylene chloride	2.69	84	173726	4.486	ug/L	96
17) Methyl tert-butyl Ether	3.00	73	413407	4.972	ug/L	95
18) trans-1,2-Dichloroethene	2.97	96	152259	5.062	ug/L	92
19) 1,1-Dichloroethane	3.43	63	340162	4.598	ug/L	98
21) 2-Butanone	4.27	43	564426	45.266	ug/L	97
22) cis-1,2-Dichloroethene	4.22	96	172530	4.775	ug/L	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	72875	5.026	ug/L	81
25) Chloroform	4.67	83	322889	4.435	ug/L	98
27) 1,2-Dichloroethane	5.40	62	207486	4.318	ug/L	96
29) 1,1,1-Trichloroethane	4.90	97	248550	4.377	ug/L	98
30) Cyclohexane	4.98	56	281570	4.528	ug/L	96
31) Carbon tetrachloride	5.12	117	216454	4.477	ug/L	100
33) Benzene	5.38	78	708356	4.903	ug/L	100
34) Trichloroethene	6.18	95	171412	4.706	ug/L	96
35) Methylcyclohexane	6.41	83	240993	4.606	ug/L	97
37) 1,2-Dichloropropane	6.43	63	196829	4.761	ug/L	99
38) Bromodichloromethane	6.75	83	220773	4.483	ug/L	93
39) cis-1,3-Dichloropropene	7.27	75	235383	4.543	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	1313098	47.193	ug/L	97
42) Toluene	7.63	91	736743	5.165	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	189322	4.614	ug/L	97
45) 1,1,2-Trichloroethane	8.06	97	125282	5.115	ug/L	96
47) Tetrachloroethene	8.22	164	114134	4.819	ug/L	94
48) 2-Hexanone	8.36	43	975365	49.322	ug/L	97
49) Dibromochloromethane	8.47	129	136704	4.798	ug/L	96
50) 1,2-Dibromoethane	8.58	107	112769	5.059	ug/L	97
51) Chlorobenzene	9.12	112	418651	4.938	ug/L	95
52) Ethylbenzene	9.24	91	726156	4.880	ug/L	96
53) m,p-Xylene	9.37	106	273771	5.169	ug/L	100
54) o-Xylene	9.77	106	263052	5.193	ug/L	96
55) Styrene	9.79	104	461078	5.304	ug/L	97
56) Isopropylbenzene	10.16	105	691678	5.100	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	160406	4.903	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	114935	4.697	ug/L	96
61) Bromoform	9.95	173	73236	5.047	ug/L	98
62) 1,3-Dichlorobenzene	11.41	146	291371	5.059	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	305307	5.226	ug/L	97
65) 1,2-Dichlorobenzene	11.87	146	300678	5.351	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.66	75	25441	4.816	ug/L #	64
67) 1,3,5-Trichlorobenzene	12.88	180	223881	5.116	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	172037	5.322	ug/L	99
69) Naphthalene	13.74	128	289404	5.220	ug/L	98
70) 1,2,3-Trichlorobenzene	13.98	180	174979	5.815	ug/L	96

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

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