

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051319\
 Data File : VU031958.D
 Acq On : 13 May 2019 09:25
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Quant Time: May 14 02:37:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050819WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 13 07:00:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	466884	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	473050	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	207875	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	169423	5.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.60%
7) Chloroethane-d5	1.67	69	155960	5.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.80%
11) 1,1-Dichloroethene-d2	2.27	63	332687	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.00%
20) 2-Butanone-d5	4.19	46	557180	44.85	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.70%
24) Chloroform-d	4.64	84	334846	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.31	65	177454	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.33	84	614947	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.32	67	212018	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.56	98	521095	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
43) trans-1,3-Dichloropropene-	7.85	79	75794	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.31	63	435447	55.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.36%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	189590	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	197493	5.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	215901	4.017	ug/L	98
3) Chloromethane	1.32	50	244163	3.811	ug/L	99
5) Vinyl chloride	1.40	62	255425	4.562	ug/L	100
6) Bromomethane	1.62	94	143995	5.602	ug/L	99
8) Chloroethane	1.69	64	155924	5.056	ug/L	99
9) Trichlorofluoromethane	1.88	101	308852	4.769	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	196196	5.821	ug/L	94
12) 1,1-Dichloroethene	2.28	96	182556	5.752	ug/L	75
13) Acetone	2.32	43	364579	42.967	ug/L	82
14) Carbon disulfide	2.47	76	564026	5.049	ug/L	99
15) Methyl Acetate	2.62	43	97013	4.432	ug/L #	90
16) Methylene chloride	2.70	84	214608	4.873	ug/L	83
17) Methyl tert-butyl Ether	3.00	73	505522	5.347	ug/L #	91
18) trans-1,2-Dichloroethene	2.98	96	197014	5.760	ug/L	84
19) 1,1-Dichloroethane	3.44	63	371950	4.421	ug/L	97
21) 2-Butanone	4.27	43	562956	39.703	ug/L	85
22) cis-1,2-Dichloroethene	4.22	96	210846	5.132	ug/L	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.54	128	87003	5.277	ug/L #	73
25) Chloroform	4.67	83	366043	4.421	ug/L	97
27) 1,2-Dichloroethane	5.40	62	228209	4.176	ug/L #	92
29) 1,1,1-Trichloroethane	4.91	97	286126	4.413	ug/L	95
30) Cyclohexane	4.98	56	297679	4.193	ug/L	88
31) Carbon tetrachloride	5.13	117	239340	4.335	ug/L	99
33) Benzene	5.38	78	801349	4.858	ug/L	100
34) Trichloroethene	6.18	95	198001	4.761	ug/L	92
35) Methylcyclohexane	6.41	83	295184	4.942	ug/L	89
37) 1,2-Dichloropropane	6.43	63	215171	4.558	ug/L #	98
38) Bromodichloromethane	6.75	83	260537	4.634	ug/L	94
39) cis-1,3-Dichloropropene	7.27	75	274695	4.644	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1296787	40.820	ug/L #	89
42) Toluene	7.63	91	847642	5.205	ug/L	96
44) trans-1,3-Dichloropropene	7.88	75	224591	4.794	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	147248	5.265	ug/L	99
47) Tetrachloroethene	8.22	164	140766	5.206	ug/L	95
48) 2-Hexanone	8.36	43	981679	43.478	ug/L #	90
49) Dibromochloromethane	8.47	129	163052	5.013	ug/L	97
50) 1,2-Dibromoethane	8.58	107	132741	5.216	ug/L	93
51) Chlorobenzene	9.12	112	501894	5.184	ug/L	92
52) Ethylbenzene	9.24	91	852597	5.018	ug/L	99
53) m,p-Xylene	9.37	106	318661	5.269	ug/L	95
54) o-Xylene	9.77	106	314519	5.438	ug/L	95
55) Styrene	9.79	104	550712	5.549	ug/L	93
56) Isopropylbenzene	10.16	105	806673	5.210	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	186121	4.982	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	136885	4.899	ug/L	97
61) Bromoform	9.95	173	88038	5.293	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	346804	5.254	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	362520	5.414	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	357317	5.548	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.65	75	27628	4.563	ug/L #	71
67) 1,3,5-Trichlorobenzene	12.88	180	272403	5.431	ug/L	100
68) 1,2,4-trichlorobenzene	13.50	180	201642	5.443	ug/L	94
69) Naphthalene	13.74	128	365527	5.752	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	214583	6.222	ug/L	97

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

