

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100818\
 Data File : VU027519.D
 Acq On : 08 Oct 2018 23:02
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Oct 09 05:25:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 09 05:21:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	198599	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	182101	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	86884	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	69575	44.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.04%
7) Chloroethane-d5	1.68	69	57831	48.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.06%
11) 1,1-Dichloroethene-d2	2.28	63	134779	45.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.94%
21) 2-Butanone-d5	4.18	46	138270	109.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.59%
24) Chloroform-d	4.65	84	128249	51.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.31	65	87196	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
32) Benzene-d6	5.34	84	256227	49.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.33	67	91204	51.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.04%
41) Toluene-d8	7.57	98	222843	47.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.54%
43) trans-1,3-Dichloropropene-	7.85	79	40456	46.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.92%
47) 2-Hexanone-d5	8.31	63	100553	111.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.37%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	122502	52.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	82379	48.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	100667	51.113	ug/L 99
3) Chloromethane	1.33	50	119143	52.646	ug/L 99
5) Vinyl chloride	1.40	62	112940	51.071	ug/L 100
6) Bromomethane	1.62	94	40047	41.439	ug/L 99
8) Chloroethane	1.70	64	63840	48.171	ug/L 98
9) Trichlorofluoromethane	1.89	101	116642	52.694	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	64294	48.924	ug/L 99
12) 1,1-Dichloroethene	2.29	96	61869	48.227	ug/L 95
13) Acetone	2.32	43	95637	92.415	ug/L 98
14) Carbon disulfide	2.48	76	221569	47.019	ug/L 99
15) Methyl Acetate	2.62	43	113015	54.498	ug/L 100
16) Methylene chloride	2.70	84	79512	51.030	ug/L 94
17) trans-1,2-Dichloroethene	2.99	96	68541	48.247	ug/L 96
18) Methyl tert-butyl Ether	3.00	73	248022	52.509	ug/L 99
19) 1,1-Dichloroethane	3.45	63	156319	53.290	ug/L 99
20) cis-1,2-Dichloroethene	4.23	96	79169	50.237	ug/L 97
22) 2-Butanone	4.26	43	156434	105.600	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	36917	51.369	ug/L	94
25) Chloroform	4.67	83	144800	51.099	ug/L	98
27) 1,2-Dichloroethane	5.41	62	118627	52.126	ug/L	99
29) Cyclohexane	5.00	56	146060	52.880	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	117974	54.147	ug/L	99
31) Carbon tetrachloride	5.14	117	99052	54.050	ug/L	100
33) Benzene	5.39	78	317569	53.069	ug/L	100
34) Trichloroethene	6.19	95	72148	50.133	ug/L	100
35) Methylcyclohexane	6.42	83	127676	51.060	ug/L	98
37) 1,2-Dichloropropane	6.43	63	95219	54.921	ug/L	100
38) Bromodichloromethane	6.76	83	106542	54.078	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	131257	51.523	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	292390	115.168	ug/L	98
42) Toluene	7.64	91	317539	52.886	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	119642	50.596	ug/L	98
45) 1,1,2-Trichloroethane	8.07	97	73775	53.009	ug/L	99
46) Tetrachloroethene	8.23	164	53494	50.015	ug/L	99
48) 2-Hexanone	8.36	43	229468	114.465	ug/L	98
49) Dibromochloromethane	8.48	129	78203	53.889	ug/L	97
50) 1,2-Dibromoethane	8.59	107	75859	51.377	ug/L	98
51) Chlorobenzene	9.12	112	191558	50.464	ug/L	100
52) Ethylbenzene	9.25	91	347818	52.172	ug/L	99
53) m,p-Xylene	9.38	106	127413	52.216	ug/L	99
54) o-xylene	9.78	106	125214	53.266	ug/L	100
55) Styrene	9.79	104	214472	53.278	ug/L	98
56) Isopropylbenzene	10.17	105	325647	52.860	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	134377	55.107	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	108124	55.085	ug/L	99
61) Bromoform	9.96	173	54350	55.054	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	136822	50.598	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	140780	49.911	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	142893	51.910	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	29390	57.595	ug/L	93
67) 1,3,5-Trichlorobenzene	12.89	180	101675	48.667	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	90060	46.875	ug/L	99
69) Naphthalene	13.74	128	324509	54.776	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	96473	49.378	ug/L	98

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

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