

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101919\
 Data File : VU035306.D
 Acq On : 19 Oct 2019 09:32
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV33

Quant Time: Oct 21 05:45:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 21 05:38:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	676560	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	662371	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	308866	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	283443	48.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.40%
7) Chloroethane-d5	1.93	69	237544	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.26%
11) 1,1-Dichloroethene-d2	2.60	63	467092	48.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.26%
21) 2-Butanone-d5	4.70	46	379223	98.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.30%
24) Chloroform-d	5.11	84	467004	49.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.30%
26) 1,2-Dichloroethane-d4	5.75	65	302152	49.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.02%
32) Benzene-d6	5.77	84	947474	49.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.22%
36) 1,2-Dichloropropane-d6	6.74	67	300723	49.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.52%
41) Toluene-d8	7.93	98	902590	50.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.04%
43) trans-1,3-Dichloropropene-	8.21	79	157432	49.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.58%
47) 2-Hexanone-d5	8.68	63	269409	99.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.33%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	434920	47.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.86%
64) 1,2-Dichlorobenzene-d4	12.22	152	328581	45.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.78%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	274493	49.868	ug/L 99
3) Chloromethane	1.54	50	287408	50.385	ug/L 99
5) Vinyl chloride	1.62	62	284157	48.966	ug/L 99
6) Bromomethane	1.87	94	170969	49.169	ug/L 100
8) Chloroethane	1.95	64	173982	48.740	ug/L 99
9) Trichlorofluoromethane	2.16	101	359501	49.035	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	216117	50.572	ug/L 100
12) 1,1-Dichloroethene	2.61	96	203673	49.101	ug/L 95
13) Acetone	2.67	43	339311	98.649	ug/L 99
14) Carbon disulfide	2.83	76	629442	48.174	ug/L 100
15) Methyl Acetate	3.00	43	251908	49.549	ug/L 99
16) Methylene chloride	3.09	84	242422	49.287	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	222249	50.011	ug/L 99
18) Methyl tert-butyl Ether	3.42	73	704027	49.813	ug/L 100
19) 1,1-Dichloroethane	3.92	63	416731	49.242	ug/L 98
20) cis-1,2-Dichloroethene	4.72	96	250970	49.763	ug/L 94
22) 2-Butanone	4.77	43	418867	100.648	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	123739	48.918	ug/L	98
25) Chloroform	5.14	83	428117	49.013	ug/L	100
27) 1,2-Dichloroethane	5.84	62	334514	49.428	ug/L	99
29) Cyclohexane	5.43	56	372761	50.330	ug/L	99
30) 1,1,1-Trichloroethane	5.37	97	357262	49.276	ug/L	100
31) Carbon tetrachloride	5.57	117	317131	49.999	ug/L	98
33) Benzene	5.82	78	938080	50.092	ug/L	100
34) Trichloroethene	6.58	95	238272	49.379	ug/L	96
35) Methylcyclohexane	6.80	83	381831	51.180	ug/L	99
37) 1,2-Dichloropropane	6.83	63	243975	50.309	ug/L	99
38) Bromodichloromethane	7.15	83	321524	49.559	ug/L	98
39) cis-1,3-Dichloropropene	7.65	75	409347	52.235	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	687322	95.931	ug/L	100
42) Toluene	8.01	91	1020091	49.763	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	370934	50.654	ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	235983	49.367	ug/L	98
46) Tetrachloroethene	8.58	164	195907	50.256	ug/L	99
48) 2-Hexanone	8.73	43	534774	87.749	ug/L	92
49) Dibromochloromethane	8.84	129	263227	49.344	ug/L	99
50) 1,2-Dibromoethane	8.96	107	256371	48.479	ug/L	99
51) Chlorobenzene	9.48	112	654364	48.944	ug/L	98
52) Ethylbenzene	9.60	91	1146309	50.171	ug/L	100
53) m,p-Xylene	9.73	106	430403	51.103	ug/L	99
54) o-xylene	10.13	106	421763	50.486	ug/L	98
55) Styrene	10.14	104	703347	51.698	ug/L	99
56) Isopropylbenzene	10.51	105	1089125	50.356	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	405489	48.526	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	320252	48.495	ug/L	99
61) Bromoform	10.32	173	204006	46.157	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	484066	48.232	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	481299	47.891	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	479534	47.867	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	73146	46.193	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	291944	51.984	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	183726	49.635	ug/L	100
69) Naphthalene	14.11	128	457867	44.937	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	186981	48.831	ug/L	99

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

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