

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042120\
 Data File : VU037824.D
 Acq On : 21 Apr 2020 14:31
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV31

Quant Time: Apr 22 01:59:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 21 14:28:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	506361	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	494925	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	251661	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	228257	50.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.86%
7) Chloroethane-d5	1.93	69	188268	50.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.96%
11) 1,1-Dichloroethene-d2	2.59	63	370635	48.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.86%
21) 2-Butanone-d5	4.66	46	353529	95.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.68%
24) Chloroform-d	5.10	84	357888	49.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.74	65	248587	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.76%
32) Benzene-d6	5.76	84	750501	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.84%
36) 1,2-Dichloropropane-d6	6.72	67	250382	48.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.06%
41) Toluene-d8	7.92	98	686183	48.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.82%
43) trans-1,3-Dichloropropene-	8.20	79	128803	49.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.72%
47) 2-Hexanone-d5	8.66	63	267755	99.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.31%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	346477	48.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.62%
64) 1,2-Dichlorobenzene-d4	12.21	152	257615	48.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	217048	48.618	ug/L 98
3) Chloromethane	1.54	50	226573	50.877	ug/L 100
5) Vinyl chloride	1.62	62	264226	50.667	ug/L 98
6) Bromomethane	1.87	94	111400	55.287	ug/L 100
8) Chloroethane	1.95	64	149795	48.915	ug/L 100
9) Trichlorofluoromethane	2.16	101	283724	49.194	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	161792	48.179	ug/L 99
12) 1,1-Dichloroethene	2.60	96	160600	48.506	ug/L 95
13) Acetone	2.65	43	202408	82.364	ug/L 100
14) Carbon disulfide	2.82	76	544500	49.307	ug/L 99
15) Methyl Acetate	2.98	43	248211	45.326	ug/L 99
16) Methylene chloride	3.08	84	190913	48.028	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	175075	47.914	ug/L 96
18) Methyl tert-butyl Ether	3.40	73	621658	47.793	ug/L 100
19) 1,1-Dichloroethane	3.91	63	361252	47.615	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	194802	47.701	ug/L 99
22) 2-Butanone	4.74	43	364879	90.354	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	96031	48.964	ug/L	97
25) Chloroform	5.13	83	340693	47.959	ug/L	99
27) 1,2-Dichloroethane	5.83	62	290373	47.415	ug/L	100
29) Cyclohexane	5.42	56	354401	47.655	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	290372	47.876	ug/L	99
31) Carbon tetrachloride	5.56	117	236346	48.438	ug/L	99
33) Benzene	5.81	78	777050	47.901	ug/L	100
34) Trichloroethene	6.57	95	187473	46.814	ug/L	97
35) Methylcyclohexane	6.79	83	335992	48.055	ug/L	99
37) 1,2-Dichloropropane	6.82	63	213985	46.700	ug/L	100
38) Bromodichloromethane	7.13	83	264589	47.982	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	340217	47.138	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	725087	92.762	ug/L	100
42) Toluene	8.00	91	823506	47.937	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	337312	48.625	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	186993	47.228	ug/L	99
46) Tetrachloroethene	8.58	164	138936	48.296	ug/L	98
48) 2-Hexanone	8.71	43	566389	91.339	ug/L	100
49) Dibromochloromethane	8.83	129	195830	47.509	ug/L	100
50) 1,2-Dibromoethane	8.95	107	201316	47.370	ug/L	99
51) Chlorobenzene	9.47	112	512022	47.728	ug/L	98
52) Ethylbenzene	9.59	91	921318	47.821	ug/L	100
53) m,p-Xylene	9.71	106	348057	47.639	ug/L	98
54) o-xylene	10.12	106	344271	48.491	ug/L	97
55) Styrene	10.13	104	589211	47.886	ug/L	99
56) Isopropylbenzene	10.50	105	906441	48.050	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	331833	47.036	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	281845	46.152	ug/L	99
61) Bromoform	10.31	173	147528	46.810	ug/L	97
62) 1,3-Dichlorobenzene	11.76	146	406249	47.725	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	407983	47.469	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	400581	47.702	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	84978	46.302	ug/L	97
67) 1,3,5-Trichlorobenzene	13.25	180	297762	48.186	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	293430	49.918	ug/L	99
69) Naphthalene	14.12	128	1057595	51.078	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	289728	49.530	ug/L	99

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

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