

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032120\
 Data File : VU037365.D
 Acq On : 21 Mar 2020 20:06
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV33

Quant Time: Mar 23 04:28:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 23 04:26:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	309501	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	294538	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	149692	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	149256	48.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.10%
7) Chloroethane-d5	1.93	69	115627	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.64%
11) 1,1-Dichloroethene-d2	2.59	63	234189	48.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.18%
21) 2-Butanone-d5	4.67	46	204892	99.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.41%
24) Chloroform-d	5.10	84	250249	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.32%
26) 1,2-Dichloroethane-d4	5.74	65	172706	47.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.80%
32) Benzene-d6	5.76	84	450982	50.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.06%
36) 1,2-Dichloropropane-d6	6.72	67	144991	51.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.40%
41) Toluene-d8	7.92	98	435328	50.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.54%
43) trans-1,3-Dichloropropene-	8.20	79	80116	51.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.00%
47) 2-Hexanone-d5	8.66	63	128065	85.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.72%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	219957	49.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.52%
64) 1,2-Dichlorobenzene-d4	12.21	152	170247	49.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.52%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	160857	46.475	ug/L	98
3) Chloromethane	1.54	50	156017	49.011	ug/L	99
5) Vinyl chloride	1.62	62	149989	49.176	ug/L	98
6) Bromomethane	1.87	94	78389	54.920	ug/L	95
8) Chloroethane	1.95	64	84437	49.349	ug/L	97
9) Trichlorofluoromethane	2.16	101	206857	46.879	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	97367	46.561	ug/L	99
12) 1,1-Dichloroethene	2.60	96	94537	48.529	ug/L	97
13) Acetone	2.66	43	119345	94.935	ug/L	97
14) Carbon disulfide	2.82	76	310053	49.390	ug/L	100
15) Methyl Acetate	2.98	43	131865	48.943	ug/L	98
16) Methylene chloride	3.08	84	109504	47.882	ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	100677	50.103	ug/L	99
18) Methyl tert-butyl Ether	3.40	73	361808	51.123	ug/L	99
19) 1,1-Dichloroethane	3.91	63	200610	49.023	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	113711	49.904	ug/L	98
22) 2-Butanone	4.75	43	193943	100.692	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	61880	49.540	uq/L	99
25) Chloroform	5.13	83	214405	47.907	uq/L	99
27) 1,2-Dichloroethane	5.83	62	186639	48.975	uq/L	99
29) Cyclohexane	5.42	56	164537	49.684	uq/L	99
30) 1,1,1-Trichloroethane	5.35	97	199009	50.739	uq/L	98
31) Carbon tetrachloride	5.56	117	172282	50.054	uq/L	99
33) Benzene	5.81	78	435947	51.335	uq/L	100
34) Trichloroethene	6.57	95	113617	50.937	uq/L	97
35) Methylcyclohexane	6.79	83	169756	50.505	uq/L	98
37) 1,2-Dichloropropane	6.82	63	117459	51.308	uq/L	99
38) Bromodichloromethane	7.13	83	165191	51.206	uq/L	100
39) cis-1,3-Dichloropropene	7.63	75	185533	52.303	uq/L	100
40) 4-Methyl-2-pentanone	7.82	43	384201	106.648	uq/L	100
42) Toluene	7.99	91	477030	51.969	uq/L	99
44) trans-1,3-Dichloropropene	8.23	75	197146	53.589	uq/L	100
45) 1,1,2-Trichloroethane	8.42	97	113885	51.029	uq/L	97
46) Tetrachloroethene	8.57	164	76351	42.925	uq/L	98
48) 2-Hexanone	8.71	43	227905	77.924	uq/L	98
49) Dibromochloromethane	8.83	129	118324	44.357	uq/L	99
50) 1,2-Dibromoethane	8.95	107	104499	42.812	uq/L	99
51) Chlorobenzene	9.47	112	301467	51.212	uq/L	98
52) Ethylbenzene	9.59	91	525017	51.063	uq/L	98
53) m,p-Xylene	9.71	106	194103	51.539	uq/L	98
54) o-xylene	10.12	106	192604	51.469	uq/L	100
55) Styrene	10.13	104	334302	53.378	uq/L	99
56) Isopropylbenzene	10.50	105	515010	50.986	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	195049	50.004	uq/L	99
59) 1,2,3-Trichloropropane	10.84	75	166660	50.804	uq/L	99
61) Bromoform	10.31	173	108225	49.215	uq/L	99
62) 1,3-Dichlorobenzene	11.76	146	241458	51.013	uq/L	99
63) 1,4-Dichlorobenzene	11.85	146	236874	50.361	uq/L	99
65) 1,2-Dichlorobenzene	12.23	146	241445	50.090	uq/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	54911	52.807	uq/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	169184	52.052	uq/L	100
68) 1,2,4-trichlorobenzene	13.87	180	141330	56.325	uq/L	99
69) Naphthalene	14.11	128	431349	62.487	uq/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	149823	57.877	uq/L	99

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

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