

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040320\
 Data File : VU037566.D
 Acq On : 03 Apr 2020 13:39
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

Quant Time: Apr 04 05:16:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 04 03:34:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	183900	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	170203	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	81918	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	70619	47.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.56%
7) Chloroethane-d5	1.93	69	55856	46.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.10%
11) 1,1-Dichloroethene-d2	2.59	63	123519	49.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.40%
21) 2-Butanone-d5	4.66	46	109888	97.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.89%
24) Chloroform-d	5.10	84	121005	48.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.18%
26) 1,2-Dichloroethane-d4	5.74	65	77567	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.86%
32) Benzene-d6	5.76	84	240264	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.44%
36) 1,2-Dichloropropane-d6	6.72	67	79662	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.98%
41) Toluene-d8	7.92	98	224651	48.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.76%
43) trans-1,3-Dichloropropene-	8.20	79	41778	46.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.70%
47) 2-Hexanone-d5	8.65	63	83899	95.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.39%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	116370	49.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.06%
64) 1,2-Dichlorobenzene-d4	12.20	152	80034	47.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	61155	51.439	ug/L 100
3) Chloromethane	1.54	50	62380	49.464	ug/L 99
5) Vinyl chloride	1.62	62	63854	50.990	ug/L 99
6) Bromomethane	1.87	94	32711	52.963	ug/L 99
8) Chloroethane	1.95	64	37270	50.462	ug/L 97
9) Trichlorofluoromethane	2.16	101	90339	50.847	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	52492	51.799	ug/L 99
12) 1,1-Dichloroethene	2.60	96	51365	52.215	ug/L 89
13) Acetone	2.66	43	60774	93.661	ug/L 100
14) Carbon disulfide	2.82	76	146055	51.400	ug/L 100
15) Methyl Acetate	2.98	43	75179	51.129	ug/L 100
16) Methylene chloride	3.08	84	60656	50.834	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	54409	51.364	ug/L 98
18) Methyl tert-butyl Ether	3.40	73	191508	51.575	ug/L 98
19) 1,1-Dichloroethane	3.91	63	106271	51.205	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	63091	51.721	ug/L 98
22) 2-Butanone	4.74	43	108243	102.204	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	30222	51.618	ug/L	93
25) Chloroform	5.13	83	107841	49.838	ug/L	93
27) 1,2-Dichloroethane	5.83	62	85760	51.354	ug/L	99
29) Cyclohexane	5.42	56	94513	52.986	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	96279	53.364	ug/L	99
31) Carbon tetrachloride	5.56	117	79095	53.266	ug/L	97
33) Benzene	5.81	78	234027	52.476	ug/L	100
34) Trichloroethene	6.57	95	60035	51.483	ug/L	99
35) Methylcyclohexane	6.79	83	92054	51.091	ug/L	98
37) 1,2-Dichloropropane	6.82	63	66119	52.035	ug/L	99
38) Bromodichloromethane	7.13	83	87768	53.107	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	106017	53.418	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	217756	105.607	ug/L	100
42) Toluene	7.99	91	250655	51.938	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	104585	53.511	ug/L	95
45) 1,1,2-Trichloroethane	8.42	97	62459	53.838	ug/L	97
46) Tetrachloroethene	8.57	164	40683	51.960	ug/L	96
48) 2-Hexanone	8.71	43	170240	106.168	ug/L	100
49) Dibromochloromethane	8.83	129	69078	53.384	ug/L	97
50) 1,2-Dibromoethane	8.94	107	68004	53.300	ug/L	95
51) Chlorobenzene	9.47	112	157325	52.557	ug/L	98
52) Ethylbenzene	9.59	91	285425	52.298	ug/L	98
53) m,p-Xylene	9.71	106	107022	52.572	ug/L	94
54) o-xylene	10.12	106	104914	53.471	ug/L	96
55) Styrene	10.13	104	184205	53.021	ug/L	100
56) Isopropylbenzene	10.50	105	282699	53.141	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	112296	53.693	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	87067	53.301	ug/L	98
61) Bromoform	10.31	173	51905	55.427	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	122131	51.634	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	121546	50.914	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	121819	52.014	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	28650	50.999	ug/L	92
67) 1,3,5-Trichlorobenzene	13.24	180	84248	51.315	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	83680	53.465	ug/L	97
69) Naphthalene	14.11	128	331971	50.065	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	82976	52.479	ug/L	98

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

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