

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030420\
 Data File : VU037070.D
 Acq On : 05 Mar 2020 05:09
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Mar 05 05:38:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 05 02:52:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	273382	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	259871	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	108405	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	98228	42.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.58%
7) Chloroethane-d5	1.92	69	90799	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.59	63	176838	46.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.00%
21) 2-Butanone-d5	4.67	46	151962	98.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.68%
24) Chloroform-d	5.10	84	177668	50.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.36%
26) 1,2-Dichloroethane-d4	5.74	65	116860	49.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.52%
32) Benzene-d6	5.76	84	373499	49.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.40%
36) 1,2-Dichloropropane-d6	6.72	67	122563	50.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.68%
41) Toluene-d8	7.92	98	339698	48.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.44%
43) trans-1,3-Dichloropropene-	8.20	79	50009	44.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.40%
47) 2-Hexanone-d5	8.66	63	109939	92.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.35%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	175212	51.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.08%
64) 1,2-Dichlorobenzene-d4	12.21	152	106626	50.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	113307	48.863	ug/L	98
3) Chloromethane	1.54	50	127097	47.642	ug/L	99
5) Vinyl chloride	1.62	62	133705	48.589	ug/L	97
6) Bromomethane	1.85	94	58055	41.120	ug/L	100
8) Chloroethane	1.94	64	83754	50.775	ug/L	99
9) Trichlorofluoromethane	2.15	101	147054	50.388	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	86904	49.778	ug/L	99
12) 1,1-Dichloroethene	2.60	96	86255	48.848	ug/L	95
13) Acetone	2.66	43	110561	69.798	ug/L	98
14) Carbon disulfide	2.82	76	250178	44.780	ug/L	100
15) Methyl Acetate	2.98	43	123542	51.169	ug/L	100
16) Methylene chloride	3.08	84	110173	51.155	ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	93166	49.116	ug/L	99
18) Methyl tert-butyl Ether	3.40	73	315522	51.171	ug/L	100
19) 1,1-Dichloroethane	3.91	63	190477	51.678	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	107559	50.711	ug/L	97
22) 2-Butanone	4.75	43	177186	92.762	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	50584	52.662	ug/L	99
25) Chloroform	5.13	83	185898	52.272	ug/L	100
27) 1,2-Dichloroethane	5.83	62	154550	53.380	ug/L	99
29) Cyclohexane	5.42	56	164986	47.843	ug/L	98
30) 1,1,1-Trichloroethane	5.35	97	145998	52.400	ug/L	99
31) Carbon tetrachloride	5.56	117	116127	53.175	ug/L	98
33) Benzene	5.81	78	443764	54.053	ug/L	100
34) Trichloroethene	6.57	95	99732	49.426	ug/L	99
35) Methylcyclohexane	6.79	83	167007	47.736	ug/L	99
37) 1,2-Dichloropropane	6.82	63	117124	52.985	ug/L	99
38) Bromodichloromethane	7.13	83	136916	52.473	ug/L	96
39) cis-1,3-Dichloropropene	7.63	75	166649	48.941	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	345020	105.925	ug/L	99
42) Toluene	7.99	91	451854	51.661	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	143253	48.497	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	104870	53.350	ug/L	99
46) Tetrachloroethene	8.57	164	64072	48.201	ug/L	97
48) 2-Hexanone	8.71	43	265395	102.104	ug/L	99
49) Dibromochloromethane	8.83	129	97729	52.380	ug/L	99
50) 1,2-Dibromoethane	8.95	107	106122	51.627	ug/L #	98
51) Chlorobenzene	9.47	112	289873	55.933	ug/L	99
52) Ethylbenzene	9.59	91	481995	50.834	ug/L	100
53) m,p-Xylene	9.71	106	178686	51.375	ug/L	99
54) o-xylene	10.12	106	179742	51.815	ug/L	99
55) Styrene	10.13	104	292311	51.548	ug/L	97
56) Isopropylbenzene	10.50	105	456597	51.247	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	192047	54.648	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	153267	53.898	ug/L	98
61) Bromoform	10.31	173	67115	54.760	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	182449	51.881	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	190882	54.940	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	195874	55.784	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	36491	52.384	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	114084	51.110	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	80912	48.382	ug/L	99
69) Naphthalene	14.12	128	122873	41.621	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	83040	49.689	ug/L	98

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

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