

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021720\
 Data File : VV014596.D
 Acq On : 17 Feb 2020 16:24
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 12:32:49 PM

Quant Time: Feb 18 07:04:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM021720W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 18 06:41:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	294548	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	274642	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	135418	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47114	48.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.08%
7) Chloroethane-d5	1.58	69	34848	46.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.78%
11) 1,1-Dichloroethene-d2	2.13	63	66015	36.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.88%
21) 2-Butanone-d5	3.92	46	96004	100.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.56%
24) Chloroform-d	4.40	84	155447	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
26) 1,2-Dichloroethane-d4	5.08	65	102783	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.28%
32) Benzene-d6	5.10	84	322445	51.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.11	67	97278	51.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.42%
41) Toluene-d8	7.35	98	305920	51.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.28%
43) trans-1,3-Dichloropropene-	7.66	79	53493	50.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.28%
47) 2-Hexanone-d5	8.13	63	76679	102.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.20%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	136117	51.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.76%
66) 1,2-Dichlorobenzene-d4	11.67	152	120295	52.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.42%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4937	2.412 ug/L	95
3) Chloromethane	1.26	50	3791	2.283 ug/L	89
5) Vinyl chloride	1.32	62	3019	2.327 ug/L #	73
6) Bromomethane	1.53	94	1361	1.931 ug/L	90
8) Chloroethane	1.60	64	1603	2.448 ug/L #	75
9) Trichlorofluoromethane	1.77	101	5135	2.168 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2914	2.962 ug/L #	85
12) 1,1-Dichloroethene	2.14	96	2596	2.799 ug/L #	1
13) Acetone	2.18	43	5000	6.137 ug/L	96
14) Carbon disulfide	2.32	76	10455	2.458 ug/L	99
15) Methyl Acetate	2.46	43	3666	2.371 ug/L #	76
16) Methylene chloride	2.53	84	4769	2.517 ug/L	95
17) trans-1,2-Dichloroethene	2.79	96	4431	2.540 ug/L	88
18) Methyl tert-butyl Ether	2.80	73	13263	2.290 ug/L #	95
19) 1,1-Dichloroethane	3.23	63	7305	2.351 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	4584	2.235 ug/L	96
22) 2-Butanone	4.03	43	5697m	4.592 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	2337	2.311	ug/L #	83
25) Chloroform	4.43	83	13432	3.815	ug/L	95
27) 1,2-Dichloroethane	5.18	62	5486	2.083	ug/L	98
29) Cyclohexane	4.73	56	6222	2.360	ug/L #	92
30) 1,1,1-Trichloroethane	4.66	97	7121	2.321	ug/L	95
31) Carbon tetrachloride	4.88	117	6328	2.313	ug/L	99
33) Benzene	5.15	78	16636	2.345	ug/L	100
34) Trichloroethene	5.96	95	4914	2.540	ug/L	93
35) Methylcyclohexane	6.18	83	7132	2.370	ug/L	98
37) 1,2-Dichloropropane	6.23	63	3773	2.193	ug/L #	92
38) Bromodichloromethane	6.55	83	6241	2.329	ug/L #	90
39) cis-1,3-Dichloropropene	7.07	75	6808m	2.231	ug/L	
40) 4-Methyl-2-pentanone	7.27	43	9444	4.389	ug/L	99
42) Toluene	7.43	91	18931	2.422	ug/L	92
44) trans-1,3-Dichloropropene	7.69	75	6496m	2.284	ug/L	
45) 1,1,2-Trichloroethane	7.88	97	4362	2.356	ug/L	92
46) Tetrachloroethene	8.01	164	3734	2.413	ug/L	86
48) 2-Hexanone	8.18	43	9090	5.411	ug/L #	74
49) Dibromochloromethane	8.28	129	4812	2.145	ug/L	91
50) 1,2-Dibromoethane	8.39	107	4666	2.293	ug/L #	95
51) Chlorobenzene	8.92	112	12374	2.341	ug/L	94
52) Ethylbenzene	9.05	91	21295	2.370	ug/L	99
53) m,p-Xylene	9.18	106	7942	2.285	ug/L	96
54) o-Xylene	9.58	106	8046	2.404	ug/L	96
55) Styrene	9.60	104	11455	2.010	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.28	83	7625	2.587	ug/L	95
59) Bromoform	9.77	173	3217	2.105	ug/L #	92
60) Isopropylbenzene	9.97	105	20094	2.338	ug/L	97
61) 1,2,3-Trichloropropane	10.31	75	5384	2.386	ug/L	95
62) 1,3,5-Trimethylbenzene	10.58	105	16320	2.223	ug/L	97
63) 1,2,4-Trimethylbenzene	10.95	105	15239	2.125	ug/L	96
64) 1,3-Dichlorobenzene	11.22	146	10163	2.467	ug/L	92
65) 1,4-Dichlorobenzene	11.31	146	10469	2.481	ug/L	97
67) 1,2-Dichlorobenzene	11.68	146	9624	2.374	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.48	75	1553	2.290	ug/L	87
69) 1,3,5-Trichlorobenzene	12.69	180	6502	2.185	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	5811	2.160	ug/L	94
71) Naphthalene	13.55	128	15591	1.893	ug/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	5404	2.058	ug/L	94

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

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