

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021720\
 Data File : VV014598.D
 Acq On : 17 Feb 2020 17:12
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 12:32:59 PM

Quant Time: Feb 18 07:10:15 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	291984	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	269296	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	130353	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44654	45.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.86%
7) Chloroethane-d5	1.59	69	35535	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.46%
11) 1,1-Dichloroethene-d2	2.13	63	64004	35.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.28%
21) 2-Butanone-d5	3.92	46	98545	104.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.13%
24) Chloroform-d	4.40	84	154945	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.64%
26) 1,2-Dichloroethane-d4	5.08	65	101980	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.38%
32) Benzene-d6	5.10	84	317322	51.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.96%
36) 1,2-Dichloropropane-d6	6.11	67	98911	53.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.20%
41) Toluene-d8	7.36	98	302100	51.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.00%
43) trans-1,3-Dichloropropene-	7.66	79	51621	49.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.68%
47) 2-Hexanone-d5	8.13	63	79254	107.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.73%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	135836	52.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.58%
66) 1,2-Dichlorobenzene-d4	11.67	152	119768	54.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5020	2.474 ug/L	91
3) Chloromethane	1.26	50	4455	2.706 ug/L	95
5) Vinyl chloride	1.33	62	3176	2.470 ug/L #	53
6) Bromomethane	1.53	94	1571	2.248 ug/L	100
8) Chloroethane	1.60	64	1825	2.812 ug/L	93
9) Trichlorofluoromethane	1.77	101	5855	2.494 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3108	3.187 ug/L #	85
12) 1,1-Dichloroethene	2.14	96	2866	3.117 ug/L #	1
13) Acetone	2.19	43	3867	4.788 ug/L	98
14) Carbon disulfide	2.32	76	10501	2.490 ug/L	96
15) Methyl Acetate	2.46	43	3943	2.572 ug/L	94
16) Methylene chloride	2.54	84	5669	3.018 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	4226	2.444 ug/L	90
18) Methyl tert-butyl Ether	2.80	73	14162	2.467 ug/L	95
19) 1,1-Dichloroethane	3.23	63	7908	2.567 ug/L	95
20) cis-1,2-Dichloroethene	3.96	96	5158	2.537 ug/L	87
22) 2-Butanone	4.03	43	4862m	3.954 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	2562	2.556	uq/L	94
25) Chloroform	4.42	83	12640	3.622	uq/L	96
27) 1,2-Dichloroethane	5.18	62	6827	2.615	uq/L	98
29) Cyclohexane	4.73	56	6482	2.508	uq/L	93
30) 1,1,1-Trichloroethane	4.66	97	6676	2.219	uq/L #	86
31) Carbon tetrachloride	4.87	117	6575	2.451	uq/L	99
33) Benzene	5.15	78	18225	2.620	uq/L	100
34) Trichloroethene	5.96	95	4681	2.467	uq/L	93
35) Methylcyclohexane	6.17	83	7084	2.400	uq/L	94
37) 1,2-Dichloropropane	6.22	63	4020	2.383	uq/L	99
38) Bromodichloromethane	6.56	83	6525	2.483	uq/L #	93
39) cis-1,3-Dichloropropene	7.07	75	7261m	2.426	uq/L	
40) 4-Methyl-2-pentanone	7.27	43	10701	5.071	uq/L	93
42) Toluene	7.43	91	19732	2.575	uq/L	99
44) trans-1,3-Dichloropropene	7.69	75	6905	2.477	uq/L	99
45) 1,1,2-Trichloroethane	7.88	97	4781	2.633	uq/L	93
46) Tetrachloroethene	8.02	164	3789	2.497	uq/L	96
48) 2-Hexanone	8.18	43	8874	5.387	uq/L	95
49) Dibromochloromethane	8.29	129	5192	2.360	uq/L	99
50) 1,2-Dibromoethane	8.39	107	4873	2.443	uq/L #	96
51) Chlorobenzene	8.92	112	13253	2.557	uq/L	89
52) Ethylbenzene	9.05	91	21789	2.473	uq/L	100
53) m,p-Xylene	9.18	106	8419	2.470	uq/L	93
54) o-Xylene	9.59	106	8269	2.519	uq/L	97
55) Styrene	9.60	104	13109	2.345	uq/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	8234	2.849	uq/L #	97
59) Bromoform	9.77	173	3448	2.343	uq/L #	98
60) Isopropylbenzene	9.97	105	20452	2.472	uq/L	97
61) 1,2,3-Trichloropropane	10.31	75	5574	2.566	uq/L	92
62) 1,3,5-Trimethylbenzene	10.58	105	17383	2.459	uq/L	95
63) 1,2,4-Trimethylbenzene	10.95	105	16292	2.360	uq/L	98
64) 1,3-Dichlorobenzene	11.22	146	9775	2.465	uq/L	92
65) 1,4-Dichlorobenzene	11.31	146	10931	2.691	uq/L	99
67) 1,2-Dichlorobenzene	11.68	146	10040	2.573	uq/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	1657	2.538	uq/L #	78
69) 1,3,5-Trichlorobenzene	12.69	180	6622	2.311	uq/L	99
70) 1,2,4-trichlorobenzene	13.31	180	5933	2.291	uq/L	97
71) Naphthalene	13.55	128	17251	2.176	uq/L	98
72) 1,2,3-Trichlorobenzene	13.79	180	5869	2.322	uq/L	98

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

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