

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110619\
 Data File : VV013499.D
 Acq On : 06 Nov 2019 15:36
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0G/5mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 10:49:38 AM

Quant Time: Nov 07 03:03:41 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Nov 07 01:53:11 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1040814	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	997521	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	476887	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	296217	48.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.20%
7) Chloroethane-d5	1.58	69	248874	50.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.32%
11) 1,1-Dichloroethene-d2	2.13	63	403080	37.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.64%
21) 2-Butanone-d5	3.92	46	495332	109.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.92%
24) Chloroform-d	4.40	84	635160	48.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.02%
26) 1,2-Dichloroethane-d4	5.07	65	438491	50.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.56%
32) Benzene-d6	5.09	84	1346039	50.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.18%
36) 1,2-Dichloropropane-d6	6.11	67	439002	50.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.74%
41) Toluene-d8	7.35	98	1237275	50.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.08%
43) trans-1,3-Dichloropropene-	7.66	79	196728	49.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.20%
47) 2-Hexanone-d5	8.13	63	307925	98.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.35%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	524500	48.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.74%
64) 1,2-Dichlorobenzene-d4	11.67	152	495979	52.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.34%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	21072	2.433 ug/L	98
3) Chloromethane	1.25	50	21883	2.659 ug/L	96
5) Vinyl chloride	1.32	62	20827	2.709 ug/L #	56
6) Bromomethane	1.53	94	9392	2.546 ug/L	92
8) Chloroethane	1.60	64	10981	2.549 ug/L	92
9) Trichlorofluoromethane	1.77	101	26250	2.572 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	18510	3.220 ug/L #	82
12) 1,1-Dichloroethene	2.14	96	17379	3.167 ug/L #	1
13) Acetone	2.18	43	22414	5.329 ug/L	99
14) Carbon disulfide	2.32	76	51015	2.657 ug/L	99
15) Methyl Acetate	2.46	43	17713	2.309 ug/L	99
16) Methylene chloride	2.53	84	19063	2.567 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	17193	2.517 ug/L	95
18) Methyl tert-butyl Ether	2.80	73	47974	2.303 ug/L	96
19) 1,1-Dichloroethane	3.23	63	33093	2.540 ug/L	95
20) cis-1,2-Dichloroethene	3.96	96	18676m	2.504 ug/L	
22) 2-Butanone	4.02	43	22837m	4.099 ug/L	

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

23) Bromochloromethane	4.30	128	9318	2.363	ug/L	87
25) Chloroform	4.42	83	64943	4.845	ug/L	90
27) 1,2-Dichloroethane	5.18	62	25372	2.470	ug/L #	94
29) Cyclohexane	4.72	56	25603	2.234	ug/L	98
30) 1,1,1-Trichloroethane	4.65	97	27524	2.479	ug/L	99
31) Carbon tetrachloride	4.87	117	23281	2.352	ug/L	100
33) Benzene	5.15	78	70015	2.472	ug/L	100
34) Trichloroethene	5.96	95	20108	2.672	ug/L	99
35) Methylcyclohexane	6.17	83	26639	2.296	ug/L	95
37) 1,2-Dichloropropane	6.22	63	16842	2.259	ug/L #	91
38) Bromodichloromethane	6.55	83	23825	2.430	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	27998	2.472	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	41561	4.325	ug/L	97
42) Toluene	7.43	91	75424	2.555	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	26021	2.640	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	17273	2.474	ug/L	98
46) Tetrachloroethene	8.02	164	15817	2.462	ug/L	97
48) 2-Hexanone	8.18	43	55326	7.290	ug/L	92
49) Dibromochloromethane	8.29	129	18477	2.302	ug/L	97
50) 1,2-Dibromoethane	8.39	107	18053	2.464	ug/L #	96
51) Chlorobenzene	8.92	112	49506	2.524	ug/L	96
52) Ethylbenzene	9.05	91	74507	2.326	ug/L	99
53) m,p-Xylene	9.18	106	25990	2.138	ug/L	96
54) o-xylene	9.59	106	25306	2.171	ug/L	95
55) Styrene	9.60	104	40749	2.022	ug/L	99
56) Isopropylbenzene	9.97	105	65091	2.126	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	26542	2.518	ug/L #	90
59) 1,2,3-Trichloropropane	10.32	75	21462	2.445	ug/L	96
61) Bromoform	9.77	173	14026	2.508	ug/L	95
62) 1,3-Dichlorobenzene	11.23	146	38098	2.636	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	42783	2.858	ug/L	93
65) 1,2-Dichlorobenzene	11.69	146	40535	2.801	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.47	75	4604	2.306	ug/L	86
67) 1,3,5-Trichlorobenzene	12.69	180	30012	2.658	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	25521	2.580	ug/L	97
69) Naphthalene	13.55	128	55934m	2.116	ug/L	
70) 1,2,3-Trichlorobenzene	13.79	180	25797m	2.455	ug/L	

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

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