

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102820\
 Data File : VV019136.D
 Acq On : 28 Oct 2020 12:35
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 2:58:15 PM

Quant Time: Oct 29 03:28:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 29 03:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	228701	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	225635	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	113347	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76417	36.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.56%
7) Chloroethane-d5	1.58	69	66322	39.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.32%
11) 1,1-Dichloroethene-d2	2.12	63	128810	33.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.20%
21) 2-Butanone-d5	3.91	46	113130	80.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.96%
24) Chloroform-d	4.38	84	163652	45.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.08%
26) 1,2-Dichloroethane-d4	5.06	65	116555	47.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.42%
32) Benzene-d6	5.07	84	305583	44.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.56%
36) 1,2-Dichloropropane-d6	6.09	67	94795	42.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.80%
41) Toluene-d8	7.34	98	281046	45.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.08%
43) trans-1,3-Dichloropropene-	7.64	79	50852	44.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.78%
47) 2-Hexanone-d5	8.11	63	81762	84.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.11%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	123929	41.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	119921	50.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4198	2.357 ug/L	99
3) Chloromethane	1.25	50	4725	2.133 ug/L	99
5) Vinyl chloride	1.32	62	4978	2.281 ug/L #	62
6) Bromomethane	1.53	94	3098	2.481 ug/L	97
8) Chloroethane	1.60	64	3304m	2.414 ug/L	
9) Trichlorofluoromethane	1.77	101	7734	2.694 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4946	3.240 ug/L #	84
12) 1,1-Dichloroethene	2.13	96	4571	2.992 ug/L #	1
13) Acetone	2.19	43	6102	6.443 ug/L	84
14) Carbon disulfide	2.31	76	11386	2.261 ug/L	98
15) Methyl Acetate	2.45	43	4316m	2.169 ug/L	
16) Methylene chloride	2.52	84	4385	2.463 ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	3884	2.406 ug/L	93
18) Methyl tert-butyl Ether	2.79	73	12524	2.393 ug/L	98
19) 1,1-Dichloroethane	3.22	63	7679	2.356 ug/L	93
20) cis-1,2-Dichloroethene	3.94	96	4071	2.359 ug/L	99
22) 2-Butanone	4.02	43	4823m	3.715 ug/L	

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

23) Bromochloromethane	4.28	128	2220m	2.527	ug/L	
25) Chloroform	4.41	83	9822	3.059	ug/L	89
27) 1,2-Dichloroethane	5.16	62	6670	2.503	ug/L	96
29) Cyclohexane	4.70	56	5661	2.096	ug/L #	73
30) 1,1,1-Trichloroethane	4.64	97	7452	2.653	ug/L #	86
31) Carbon tetrachloride	4.86	117	6197	2.530	ug/L	93
33) Benzene	5.13	78	15772	2.283	ug/L	100
34) Trichloroethene	5.95	95	4240	2.429	ug/L	96
35) Methylcyclohexane	6.16	83	5789	2.424	ug/L	92
37) 1,2-Dichloropropane	6.20	63	4355	2.290	ug/L #	87
38) Bromodichloromethane	6.54	83	5892	2.449	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	6579m	2.341	ug/L	
40) 4-Methyl-2-pentanone	7.25	43	10334	4.028	ug/L	98
42) Toluene	7.41	91	17220	2.429	ug/L	91
44) trans-1,3-Dichloropropene	7.68	75	6771	2.429	ug/L	94
45) 1,1,2-Trichloroethane	7.87	97	3948	2.351	ug/L	93
46) Tetrachloroethene	8.00	164	3848	2.873	ug/L	92
48) 2-Hexanone	8.17	43	8826	4.458	ug/L #	90
49) Dibromochloromethane	8.27	129	4833	2.633	ug/L	90
50) 1,2-Dibromoethane	8.38	107	4173	2.394	ug/L #	92
51) Chlorobenzene	8.90	112	11403	2.508	ug/L	96
52) Ethylbenzene	9.04	91	17403	2.270	ug/L	95
53) m,p-Xylene	9.16	106	6756	2.407	ug/L	94
54) o-xylene	9.57	106	6409	2.372	ug/L	100
55) Styrene	9.59	104	10098	2.107	ug/L	99
56) Isopropylbenzene	9.95	105	16000	2.252	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	6650	2.406	ug/L #	93
59) 1,2,3-Trichloropropane	10.29	75	5244	2.358	ug/L	97
61) Bromoform	9.76	173	3521	2.758	ug/L #	41
62) 1,3-Dichlorobenzene	11.21	146	9427	2.771	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	9928	2.793	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	9499	2.770	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.45	75	1479	2.441	ug/L	87
67) 1,3,5-Trichlorobenzene	12.67	180	6532	2.812	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	5819	2.657	ug/L	94
69) Naphthalene	13.53	128	13643	2.022	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	5120	2.307	ug/L	95

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

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