

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102920\
 Data File : VV019155.D
 Acq On : 29 Oct 2020 19:13
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA-V/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 11/2/2020 2:27:00 PM

Quant Time: Nov 01 14:56:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 30 05:31:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	240097	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	228860	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	119170	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	89777	47.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.10%
7) Chloroethane-d5	1.58	69	71506	48.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.48%
11) 1,1-Dichloroethene-d2	2.12	63	131836	36.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.64%
21) 2-Butanone-d5	3.91	46	117431	100.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.49%
24) Chloroform-d	4.37	84	168145	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.74%
26) 1,2-Dichloroethane-d4	5.05	65	121749	49.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.46%
32) Benzene-d6	5.07	84	323198	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
36) 1,2-Dichloropropane-d6	6.09	67	98376	50.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.64%
41) Toluene-d8	7.33	98	295850	47.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.88%
43) trans-1,3-Dichloropropene-	7.64	79	54665	48.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.60%
47) 2-Hexanone-d5	8.10	63	81669	97.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.42%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	126845	48.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	124453	49.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.42%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	4155	1.971 ug/L	96
3) Chloromethane	1.25	50	4194	2.191 ug/L	98
5) Vinyl chloride	1.32	62	4471	2.281 ug/L #	68
6) Bromomethane	1.53	94	2850	2.171 ug/L	94
8) Chloroethane	1.60	64	3130	2.568 ug/L	89
9) Trichlorofluoromethane	1.76	101	6566	2.010 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4020	2.557 ug/L #	79
12) 1,1-Dichloroethene	2.13	96	4095	2.660 ug/L #	1
13) Acetone	2.19	43	4443	4.092 ug/L	74
14) Carbon disulfide	2.31	76	11376	2.324 ug/L	96
15) Methyl Acetate	2.45	43	3721	2.127 ug/L	97
16) Methylene chloride	2.53	84	4326	2.474 ug/L	91
17) trans-1,2-Dichloroethene	2.78	96	3576	2.162 ug/L	95
18) Methyl tert-butyl Ether	2.78	73	11299	2.040 ug/L	97
19) 1,1-Dichloroethane	3.21	63	6538	2.122 ug/L #	97
20) cis-1,2-Dichloroethene	3.94	96	3599	1.983 ug/L	99
22) 2-Butanone	4.02	43	4313m	3.647 ug/L	

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

23) Bromochloromethane	4.28	128	2020m	2.074	uq/L	
25) Chloroform	4.40	83	8380	2.517	uq/L	98
27) 1,2-Dichloroethane	5.16	62	6028	2.127	uq/L	98
29) Cyclohexane	4.70	56	4561	1.785	uq/L	95
30) 1,1,1-Trichloroethane	4.63	97	6586	2.124	uq/L	98
31) Carbon tetrachloride	4.85	117	5422m	1.972	uq/L	
33) Benzene	5.13	78	14029	2.126	uq/L	100
34) Trichloroethene	5.94	95	3871	2.141	uq/L	93
35) Methylcyclohexane	6.15	83	4490	1.840	uq/L	94
37) 1,2-Dichloropropane	6.20	63	3583	2.186	uq/L #	89
38) Bromodichloromethane	6.53	83	5134	2.106	uq/L	96
39) cis-1,3-Dichloropropene	7.05	75	5567m	2.057	uq/L	
40) 4-Methyl-2-pentanone	7.25	43	8268	3.657	uq/L	99
42) Toluene	7.41	91	18735	2.590	uq/L	96
44) trans-1,3-Dichloropropene	7.67	75	6133m	2.178	uq/L	
45) 1,1,2-Trichloroethane	7.86	97	3559	2.166	uq/L	96
46) Tetrachloroethene	8.00	164	3109	2.014	uq/L	93
48) 2-Hexanone	8.16	43	8343	4.643	uq/L #	96
49) Dibromochloromethane	8.27	129	3826	1.923	uq/L	94
50) 1,2-Dibromoethane	8.38	107	3743	2.135	uq/L #	91
51) Chlorobenzene	8.90	112	9756	2.057	uq/L	97
52) Ethylbenzene	9.04	91	14626	1.835	uq/L	97
53) m,p-Xylene	9.16	106	5506	1.829	uq/L	98
54) o-xylene	9.57	106	5190	1.796	uq/L	81
55) Styrene	9.59	104	8793	1.716	uq/L	91
56) Isopropylbenzene	9.95	105	13126	1.690	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	5348	2.137	uq/L	95
59) 1,2,3-Trichloropropane	10.29	75	4380	2.045	uq/L	98
61) Bromoform	9.76	173	3158	2.148	uq/L #	92
62) 1,3-Dichlorobenzene	11.20	146	7629	2.030	uq/L	95
63) 1,4-Dichlorobenzene	11.29	146	8859	2.268	uq/L	97
65) 1,2-Dichlorobenzene	11.67	146	7744	2.080	uq/L #	91
66) 1,2-Dibromo-3-chloropropan	12.46	75	1181	1.854	uq/L #	71
67) 1,3,5-Trichlorobenzene	12.67	180	5379	1.944	uq/L	96
68) 1,2,4-trichlorobenzene	13.29	180	4869	1.878	uq/L	98
69) Naphthalene	13.53	128	10785	1.485	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	4828	1.903	uq/L	98

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

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