Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102821\
Data File : VX025010.D
Acq On : 28 Oct 2021 16:39
Operator : JC/MD
Sample : MDL02
Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Oct 29 06:50:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM102821WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 28 12:38:37 2021
Response via : Initial Calibration

Instrument : MSVOA_X
ClientSampleId : MDL02

Manual Integrations APPROVED

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	141121	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	10.055	117	125951	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	54718	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	45725	50.830	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 101.660%			
7) Chloroethane-d5	1.672	69	34527	56.151	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.300%			
11) 1,1-Dichloroethene-d2	2.306	63	89038	40.167	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 80.340%			
21) 2-Butanone-d5	4.471	46	100465	111.810	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 111.810%			
24) Chloroform-d	5.068	84	125096	53.146	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 106.300%			
26) 1,2-Dichloroethane-d4	5.964	65	95127	55.111	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 110.220%			
32) Benzene-d6	5.976	84	200917	56.201	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 112.400%			
36) 1,2-Dichloropropane-d6	7.312	67	70932	58.221	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 116.440%			
41) Toluene-d8	8.653	98	190643	55.741	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 111.480%			
43) trans-1,3-Dichloroprop...	8.951	79	38971	55.662	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 111.320%			
47) 2-Hexanone-d5	9.390	63	73979	119.265	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 119.260%			
56) 1,1,2,2-Tetrachloroeth...	11.195	84	93601	56.816	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 113.640%			
66) 1,2-Dichlorobenzene-d4	12.323	152	63204	59.526	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 119.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	3106	2.345	ug/L	93
3) Chloromethane	1.288	50	2414	2.621	ug/L #	70
5) Vinyl chloride	1.374	62	2513	2.425	ug/L #	78
6) Bromomethane	1.617	94	1741	2.611	ug/L	100
8) Chloroethane	1.691	64	1765m	3.371	ug/L	
9) Trichlorofluoromethane	1.892	101	4983	2.166	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	3006	2.881	ug/L #	82
12) 1,1-Dichloroethene	2.325	96	2443	2.783	ug/L #	1
13) Acetone	2.392	43	4247m	4.973	ug/L	
14) Carbon disulfide	2.514	76	5332	2.241	ug/L #	92
15) Methyl Acetate	2.715	43	3348	2.711	ug/L #	60
16) Methylene chloride	2.800	84	3145	3.164	ug/L	91
17) trans-1,2-Dichloroethene	3.099	96	2057	2.289	ug/L	86
18) Methyl tert-butyl Ether	3.117	73	8820	2.376	ug/L #	73
19) 1,1-Dichloroethane	3.617	63	4958	2.374	ug/L #	85
20) cis-1,2-Dichloroethene	4.501	96	3084m	3.037	ug/L	
22) 2-Butanone	4.574	43	4482m	4.263	ug/L	
23) Bromochloromethane	4.910	128	1201	2.367	ug/L #	50
25) Chloroform	5.111	83	5801	2.496	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	6.098	62	5140	2.501	ug/L	#	87
29) Cyclohexane	5.483	56	3686	2.159	ug/L	#	81
30) 1,1,1-Trichloroethane	5.379	97	5493	2.521	ug/L	#	65
31) Carbon tetrachloride	5.684	117	4957m	2.686	ug/L		
33) Benzene	6.050	78	9520	2.441	ug/L		100
34) Trichloroethene	7.129	95	3229	2.745	ug/L		90
35) Methylcyclohexane	7.391	83	4167	2.455	ug/L	#	83
37) 1,2-Dichloropropane	7.440	63	3139	2.829	ug/L	#	93
38) Bromodichloromethane	7.830	83	3897	2.299	ug/L		82
39) cis-1,3-Dichloropropene	8.378	75	4158	2.306	ug/L		99
40) 4-Methyl-2-pentanone	8.580	43	8402	4.877	ug/L	#	83
42) Toluene	8.726	91	13732	3.218	ug/L		87
44) trans-1,3-Dichloropropene	8.988	75	4332	2.334	ug/L		87
45) 1,1,2-Trichloroethane	9.159	97	2661	2.562	ug/L	#	85
46) Tetrachloroethene	9.275	164	1514	2.062	ug/L	#	79
48) 2-Hexanone	9.439	43	6373	4.475	ug/L	#	92
49) Dibromochloromethane	9.525	129	2865	2.451	ug/L		98
50) 1,2-Dibromoethane	9.616	107	2938	2.564	ug/L	#	90
51) Chlorobenzene	10.085	112	6018	2.358	ug/L	#	81
52) Ethylbenzene	10.195	91	11085	2.251	ug/L		91
53) m,p-Xylene	10.305	106	3725	2.199	ug/L		81
54) o-Xylene	10.646	106	3657	2.209	ug/L		91
55) Styrene	10.659	104	6272	2.240	ug/L		88
57) 1,1,2,2-Tetrachloroethane	11.213	83	4470	2.675	ug/L	#	92
59) Bromoform	10.799	173	1597	2.369	ug/L	#	79
60) Isopropylbenzene	10.963	105	9996	2.397	ug/L	#	94
61) 1,2,3-Trichloropropane	11.244	75	3628	2.722	ug/L		92
62) 1,3,5-Trimethylbenzene	11.457	105	8670	2.400	ug/L		87
63) 1,2,4-Trimethylbenzene	11.756	105	9217	2.545	ug/L		95
64) 1,3-Dichlorobenzene	11.975	146	4397	2.709	ug/L		95
65) 1,4-Dichlorobenzene	12.049	146	4277	2.548	ug/L		96
67) 1,2-Dichlorobenzene	12.335	146	4691	2.829	ug/L	#	61
68) 1,2-Dibromo-3-chloropr...	12.945	75	859m	1.976	ug/L		
69) 1,3,5-Trichlorobenzene	13.115	180	2639	2.264	ug/L		96
70) 1,2,4-trichlorobenzene	13.591	180	2214	2.241	ug/L	#	90
71) Naphthalene	13.780	128	5837	1.708	ug/L		96
72) 1,2,3-Trichlorobenzene	13.969	180	2089	2.056	ug/L		92

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

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