Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051922\
Data File : VU048639.D
Acq On : 19 May 2022 18:50
Operator : SY/MD
Sample : N2883-06MEMSD
Misc : 5.54g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 20 04:43:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM051622WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 20 04:37:51 2022
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
EW4K6MEMSD

Manual Integrations APPROVED

Reviewed By :John Carlone 05/24/2022
Supervised By :Mahesh Dadoda 05/24/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	302575	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	308221	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	194185	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	79553	42.926	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 85.860%			
7) Chloroethane-d5	1.874	69	73391m	52.859	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.720%			
11) 1,1-Dichloroethene-d2	2.539	63	192919	46.029	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.060%			
21) 2-Butanone-d5	4.629	46	186357	105.668	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 105.670%			
24) Chloroform-d	5.060	84	240022	51.252	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.500%			
26) 1,2-Dichloroethane-d4	5.700	65	167158	50.594	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.180%			
32) Benzene-d6	5.722	84	410325	47.835	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.660%			
36) 1,2-Dichloropropane-d6	6.690	67	123326	48.973	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.940%			
41) Toluene-d8	7.896	98	396454	49.136	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.280%			
43) trans-1,3-Dichloroprop...	8.182	79	78754	48.906	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.820%			
47) 2-Hexanone-d5	8.655	63	157345	113.932	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery = 113.930%			
56) 1,1,2,2-Tetrachloroeth...	10.764	84	226877	54.446	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 108.900%			
66) 1,2-Dichlorobenzene-d4	12.195	152	202458	51.001	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.379	85	161960m	49.809	ug/L	
3) Chloromethane	1.520	50	99025	49.357	ug/L	97
5) Vinyl chloride	1.600	62	116913	54.780	ug/L	97
6) Bromomethane	1.825	94	85725	55.638	ug/L	100
8) Chloroethane	1.893	64	75348m	59.981	ug/L	
9) Trichlorofluoromethane	2.079	101	215311	51.677	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.549	101	115974	54.587	ug/L	97
12) 1,1-Dichloroethene	2.549	96	104753	53.211	ug/L	97
13) Acetone	2.639	43	125679	87.715	ug/L	99
14) Carbon disulfide	2.764	76	282761	49.495	ug/L	99
15) Methyl Acetate	2.948	43	122581	50.128	ug/L	100
16) Methylene chloride	3.034	84	119671	52.215	ug/L	95
17) trans-1,2-Dichloroethene	3.337	96	114204	53.786	ug/L	99
18) Methyl tert-butyl Ether	3.366	73	414086	56.210	ug/L	98
19) 1,1-Dichloroethane	3.858	63	209393	53.866	ug/L	98
20) cis-1,2-Dichloroethene	4.658	96	133548	55.772	ug/L	95
22) 2-Butanone	4.710	43	196318	107.911	ug/L	99
23) Bromochloromethane	4.970	128	72083	54.250	ug/L	92
25) Chloroform	5.086	83	245261	54.054	ug/L	98

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Instrument :
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Quant Title : VOC Analysis
QLast Update : Fri May 20 04:37:51 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	212992	54.721	ug/L	98
29) Cyclohexane	5.378	56	167287	52.842	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	241167	51.676	ug/L	98
31) Carbon tetrachloride	5.517	117	215959	50.776	ug/L	96
33) Benzene	5.767	78	468431	52.020	ug/L	100
34) Trichloroethene	6.539	95	133297	52.321	ug/L	97
35) Methylcyclohexane	6.758	83	190662	52.151	ug/L	100
37) 1,2-Dichloropropane	6.790	63	114969	51.061	ug/L	98
38) Bromodichloromethane	7.108	83	190849	52.388	ug/L	98
39) cis-1,3-Dichloropropene	7.607	75	212075	55.166	ug/L	99
40) 4-Methyl-2-pentanone	7.803	43	365573m	106.393	ug/L	
42) Toluene	7.970	91	537306	54.744	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	224796	55.449	ug/L	97
45) 1,1,2-Trichloroethane	8.404	97	131893	54.699	ug/L	97
46) Tetrachloroethene	8.552	164	114392	55.024	ug/L	99
48) 2-Hexanone	8.703	43	318296	108.116	ug/L	98
49) Dibromochloromethane	8.816	129	176897	57.063	ug/L	99
50) 1,2-Dibromoethane	8.928	107	150480	54.075	ug/L	98
51) Chlorobenzene	9.452	112	373677	54.588	ug/L	99
52) Ethylbenzene	9.571	91	618006	55.099	ug/L	99
53) m,p-Xylene	9.697	106	249561	55.366	ug/L	99
54) o-Xylene	10.105	106	250140	57.926	ug/L	100
55) Styrene	10.121	104	437215	58.233	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.790	83	231062	55.447	ug/L	97
59) Bromoform	10.301	173	150060	56.218	ug/L	100
60) 1,2,3-Trichloropropane	10.832	75	204483	53.096	ug/L	96
61) Isopropylbenzene	10.488	105	664766	55.587	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	395568	58.181	ug/L	100
63) 1,2,4-Trimethylbenzene	11.471	105	611059	57.798	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	339513	55.051	ug/L	97
65) 1,4-Dichlorobenzene	11.841	146	343953	53.745	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	333065	53.096	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	70773	47.531	ug/L	95
69) 1,3,5-Trichlorobenzene	13.221	180	254191	51.712	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	230660	51.882	ug/L	99
71) Naphthalene	14.085	128	731940	49.929	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	228949	51.291	ug/L	99

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

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