Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052324\
Data File : VV035725.D
Acq On : 24 May 2024 00:07
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 24 03:47:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 03:15:35 2024
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD025374

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/24/2024
Supervised By :Semsettin Yesilyurt 05/24/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	525631	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	538447	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	297738	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	170011	20.926	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 83.720%			
7) Chloroethane-d5	1.526	69	144176	21.998	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 88.000%			
11) 1,1-Dichloroethene-d2	2.050	65	78858	21.925	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 87.680%			
21) 2-Butanone-d5	3.847	46	85848	37.235	ug/L	0.02
Spiked Amount 50.000	Range 20 - 135		Recovery = 74.460%			
24) Chloroform-d	4.243	84	360591	23.075	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 92.320%			
26) 1,2-Dichloroethane-d4	4.937	65	180897	23.416	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 93.680%			
32) Benzene-d6	4.957	84	673405	22.847	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 91.400%			
36) 1,2-Dichloropropane-d6	5.985	67	205082	22.546	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 90.200%			
41) Toluene-d8	7.239	98	629646	24.003	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 96.000%			
43) trans-1,3-Dichloroprop...	7.551	79	85276	21.921	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 87.680%			
47) 2-Hexanone-d5	8.030	63	61061	37.332	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 74.660%			
56) 1,1,2,2-Tetrachloroeth...	10.149	84	179156	20.440	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 81.760%			
66) 1,2-Dichlorobenzene-d4	11.558	152	226921	21.961	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 87.840%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.101	85	213346	19.964	ug/L	99
3) Chloromethane	1.211	50	213609	19.909	ug/L	98
5) Vinyl chloride	1.275	62	239140	21.574	ug/L	100
6) Bromomethane	1.481	94	159627	22.743	ug/L	99
8) Chloroethane	1.542	64	165508	24.222	ug/L	99
9) Trichlorofluoromethane	1.706	101	342424	23.667	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	245646	26.909	ug/L	99
12) 1,1-Dichloroethene	2.063	96	212006	25.712	ug/L	96
13) Acetone	2.159	43	99207m	29.394	ug/L	
14) Carbon disulfide	2.233	76	494676	18.941	ug/L	100
15) Methyl Acetate	2.388	43	108992	21.315	ug/L #	87
16) Methylene chloride	2.442	84	329410	27.177	ug/L	96
17) trans-1,2-Dichloroethene	2.690	96	225432	24.627	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	651281	29.496	ug/L	100
19) 1,1-Dichloroethane	3.105	63	480794	28.017	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	257644	25.964	ug/L	97
22) 2-Butanone	3.915	43	116497	37.169	ug/L	99
23) Bromochloromethane	4.143	128	136624	28.466	ug/L	98
25) Chloroform	4.269	83	515351	29.082	ug/L	98

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	328399	29.761 ug/L	99
29) Cyclohexane	4.577	56	280900	21.816 ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	406736	27.243 ug/L	99
31) Carbon tetrachloride	4.728	117	340493	25.993 ug/L	100
33) Benzene	5.005	78	991745	27.830 ug/L	100
34) Trichloroethene	5.828	95	283915	28.165 ug/L	99
35) Methylcyclohexane	6.047	83	345069	22.548 ug/L	98
37) 1,2-Dichloropropane	6.088	63	279895	30.104 ug/L	98
38) Bromodichloromethane	6.429	83	380733	30.228 ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	398964	27.435 ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	335774	60.301 ug/L	100
42) Toluene	7.310	91	1073400	28.462 ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	365405	28.724 ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	243051	30.766 ug/L	99
46) Tetrachloroethene	7.902	164	200504	24.483 ug/L	99
48) 2-Hexanone	8.079	43	225762	54.075 ug/L	99
49) Dibromochloromethane	8.175	129	272854	30.610 ug/L	99
50) 1,2-Dibromoethane	8.281	107	231552	29.753 ug/L	99
51) Chlorobenzene	8.812	112	722565	27.612 ug/L	99
52) Ethylbenzene	8.944	91	1161662	27.898 ug/L	100
53) m,p-Xylene	9.069	106	440128	27.860 ug/L	99
54) o-Xylene	9.477	106	429830	28.708 ug/L	99
55) Styrene	9.493	104	812100	31.097 ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	261212	27.144 ug/L	100
59) Bromoform	9.664	173	185040	31.624 ug/L	100
60) Isopropylbenzene	9.863	105	1165010	29.374 ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	223993	32.105 ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	944843	30.368 ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	960615	30.045 ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	600594	28.855 ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	621278	28.833 ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	582927	29.752 ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	48680	30.084 ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	428748	26.360 ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	331871	24.436 ug/L	100
71) Naphthalene	13.435	128	614486	25.772 ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	330975	27.089 ug/L	99

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

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