Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
Data File : VV036336.D
Acq On : 28 Jun 2024 03:20
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD025307

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2024
Supervised By :Semsettin Yesilyurt 07/03/2024

Quant Time: Jun 28 05:10:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 28 04:20:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	359083	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	375023	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	200215	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	146216	23.976	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 95.920%			
7) Chloroethane-d5	1.526	69	124485	25.557	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 102.240%			
11) 1,1-Dichloroethene-d2	2.050	65	62981	21.969	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 87.880%			
21) 2-Butanone-d5	3.834	46	57572	40.677	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 81.360%			
24) Chloroform-d	4.239	84	283403	26.738	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 106.960%			
26) 1,2-Dichloroethane-d4	4.937	65	154954	27.413	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 109.640%			
32) Benzene-d6	4.953	84	541999	25.602	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 102.400%			
36) 1,2-Dichloropropane-d6	5.982	67	169315	26.589	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 106.360%			
41) Toluene-d8	7.239	98	507271	26.576	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 106.320%			
43) trans-1,3-Dichloroprop...	7.551	79	68204	23.985	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 95.960%			
47) 2-Hexanone-d5	8.030	63	41601	40.928	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 81.860%			
56) 1,1,2,2-Tetrachloroeth...	10.149	84	124882	23.925	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 95.680%			
66) 1,2-Dichlorobenzene-d4	11.558	152	173263	23.747	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 95.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.101	85	149938	21.977	ug/L	100
3) Chloromethane	1.211	50	156583	25.355	ug/L	100
5) Vinyl chloride	1.275	62	172590	24.202	ug/L	99
6) Bromomethane	1.481	94	124142	25.883	ug/L	99
8) Chloroethane	1.542	64	113090	25.731	ug/L	100
9) Trichlorofluoromethane	1.706	101	225246	22.116	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	142703	22.338	ug/L	98
12) 1,1-Dichloroethene	2.063	96	135857	24.020	ug/L	89
13) Acetone	2.159	43	51266m	26.810	ug/L	
14) Carbon disulfide	2.233	76	439677	24.638	ug/L	100
15) Methyl Acetate	2.387	43	55930	22.730	ug/L	99
16) Methylene chloride	2.439	84	215246	30.448	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	145092	25.836	ug/L	100
18) Methyl tert-butyl Ether	2.699	73	351616	26.897	ug/L	100
19) 1,1-Dichloroethane	3.104	63	266691	26.709	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	149734	26.510	ug/L	99
22) 2-Butanone	3.912	43	68918m	42.744	ug/L	
23) Bromochloromethane	4.143	128	81711	27.744	ug/L	98
25) Chloroform	4.268	83	291874	27.406	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	193251	28.024	ug/L	98
29) Cyclohexane	4.577	56	164990	20.651	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	225903	24.294	ug/L	100
31) Carbon tetrachloride	4.728	117	190477	22.990	ug/L	99
33) Benzene	5.005	78	591762	26.641	ug/L	100
34) Trichloroethene	5.828	95	179147	25.558	ug/L	98
35) Methylcyclohexane	6.043	83	211229	21.624	ug/L	99
37) 1,2-Dichloropropane	6.088	63	153414	27.043	ug/L	98
38) Bromodichloromethane	6.429	83	209682	27.025	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	213589	24.485	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	144906	45.292	ug/L	99
42) Toluene	7.310	91	627318	27.010	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	199137	25.381	ug/L	98
45) 1,1,2-Trichloroethane	7.763	97	137425	27.407	ug/L	98
46) Tetrachloroethene	7.902	164	120961	23.745	ug/L	98
48) 2-Hexanone	8.079	43	93869	37.301	ug/L	96
49) Dibromochloromethane	8.172	129	152129	27.216	ug/L	99
50) 1,2-Dibromoethane	8.278	107	132032	26.729	ug/L	97
51) Chlorobenzene	8.808	112	418250	26.344	ug/L	99
52) Ethylbenzene	8.943	91	653199	26.061	ug/L	100
53) m,p-Xylene	9.069	106	251714	26.946	ug/L	98
54) o-Xylene	9.474	106	240783	27.410	ug/L	100
55) Styrene	9.493	104	452523	29.393	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	109106	24.312	ug/L	97
59) Bromoform	9.664	173	97593	25.750	ug/L	99
60) Isopropylbenzene	9.863	105	625194	25.832	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	110227	24.396	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	455277	26.286	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	512353	27.221	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	327019	25.931	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	337039	24.932	ug/L	98
67) 1,2-Dichlorobenzene	11.574	146	302797	25.150	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	23833	23.511	ug/L	94
69) 1,3,5-Trichlorobenzene	12.580	180	208887	21.997	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	164482	21.721	ug/L	100
71) Naphthalene	13.435	128	293911	21.768	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	168759	23.699	ug/L	100

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

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