Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082224\
Data File : VV037008.D
Acq On : 22 Aug 2024 15:29
Operator : SY/MD
Sample : P3696-02MS
Misc : 6.24g/10mL/MSVOA_V/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GCN87MS

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/23/2024
Supervised By :Semsettin Yesilyurt 08/23/2024

Quant Time: Aug 23 05:21:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082224SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 23 05:07:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	858989	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	613482	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	168330	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	169489	14.082	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	56.320%		
7) Chloroethane-d5	1.529	69	169903	16.502	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	66.000%		
11) 1,1-Dichloroethene-d2	2.056	65	87438	15.080	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	60.320%		
21) 2-Butanone-d5	3.841	46	55793m	24.995	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	50.000%		
24) Chloroform-d	4.240	84	425220	17.566	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	70.280%		
26) 1,2-Dichloroethane-d4	4.934	65	198611	17.836	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	71.360%		
32) Benzene-d6	4.950	84	792844	21.567	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	86.280%		
36) 1,2-Dichloropropane-d6	5.982	67	235546	21.163	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	84.640%		
41) Toluene-d8	7.236	98	652167	19.463	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	77.840%		
43) trans-1,3-Dichloroprop...	7.548	79	81953	21.105	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	84.440%		
47) 2-Hexanone-d5	8.034	63	43999	44.694	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	89.380%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	112826	18.310	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	73.240%		
66) 1,2-Dichlorobenzene-d4	11.554	152	97698	16.214	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	64.840%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	217692	16.226	ug/L	99
3) Chloromethane	1.217	50	307666	19.807	ug/L	100
5) Vinyl chloride	1.282	62	307742	20.005	ug/L	99
6) Bromomethane	1.487	94	205845	21.040	ug/L	98
8) Chloroethane	1.548	64	207410	21.346	ug/L	98
9) Trichlorofluoromethane	1.712	101	377655	18.593	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	210782	16.838	ug/L	100
12) 1,1-Dichloroethene	2.066	96	229753	19.707	ug/L	94
13) Acetone	2.146	43	104704m	39.971	ug/L	
14) Carbon disulfide	2.236	76	734639	19.030	ug/L	100
15) Methyl Acetate	2.384	43	72996	17.098	ug/L	99
16) Methylene chloride	2.442	84	295738	17.308	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	266057	20.848	ug/L	96
18) Methyl tert-butyl Ether	2.706	73	587372	22.217	ug/L	99
19) 1,1-Dichloroethane	3.101	63	511237	20.580	ug/L	98
20) cis-1,2-Dichloroethene	3.806	96	278410	20.339	ug/L	99
22) 2-Butanone	3.921	43	44157	16.379	ug/L	83
23) Bromochloromethane	4.140	128	107397	19.771	ug/L	93
25) Chloroform	4.269	83	492043	20.264	ug/L	99

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27) 1,2-Dichloroethane	5.034	62	276094	20.792	ug/L		98
29) Cyclohexane	4.568	56	304717	19.147	ug/L		99
30) 1,1,1-Trichloroethane	4.500	97	390367	25.235	ug/L		99
31) Carbon tetrachloride	4.722	117	308275	23.612	ug/L		100
33) Benzene	4.998	78	1004424	25.115	ug/L		100
34) Trichloroethene	5.825	95	254821	22.571	ug/L		98
35) Methylcyclohexane	6.040	83	236627	13.555	ug/L		99
37) 1,2-Dichloropropane	6.085	63	237159	24.547	ug/L		100
38) Bromodichloromethane	6.426	83	295004	24.583	ug/L		97
39) cis-1,3-Dichloropropene	6.947	75	359144	25.458	ug/L		100
40) 4-Methyl-2-pentanone	7.162	43	195213	47.863	ug/L		98
42) Toluene	7.307	91	980974	23.413	ug/L		99
44) trans-1,3-Dichloropropene	7.577	75	263855	24.581	ug/L		98
45) 1,1,2-Trichloroethane	7.764	97	147619	23.283	ug/L		99
46) Tetrachloroethene	7.899	164	145376	18.212	ug/L		94
48) 2-Hexanone	8.082	43	114825	37.577	ug/L		98
49) Dibromochloromethane	8.172	129	155662	22.316	ug/L		99
50) 1,2-Dibromoethane	8.278	107	133563	23.343	ug/L		99
51) Chlorobenzene	8.809	112	509627	19.047	ug/L		99
52) Ethylbenzene	8.940	91	907561	19.210	ug/L		99
53) m,p-Xylene	9.066	106	330813	18.847	ug/L		96
54) o-Xylene	9.471	106	299584	17.867	ug/L		100
55) Styrene	9.490	104	477102	17.240	ug/L		100
57) 1,1,2,2-Tetrachloroethane	10.172	83	122769	20.916	ug/L		95
59) Bromoform	9.661	173	67613	35.466	ug/L		97
60) Isopropylbenzene	9.860	105	716120	26.981	ug/L		99
61) 1,2,3-Trichloropropane	10.204	75	103150	38.000	ug/L		97
62) 1,3,5-Trimethylbenzene	10.471	105	485396	22.338	ug/L		98
63) 1,2,4-Trimethylbenzene	10.847	105	470030	22.192	ug/L		99
64) 1,3-Dichlorobenzene	11.111	146	221349	19.514	ug/L		99
65) 1,4-Dichlorobenzene	11.204	146	218596	19.294	ug/L		98
67) 1,2-Dichlorobenzene	11.574	146	178391	18.152	ug/L		100
68) 1,2-Dibromo-3-chloropr...	12.361	75	17708	33.382	ug/L		95
69) 1,3,5-Trichlorobenzene	12.577	180	72718	9.199	ug/L		99
70) 1,2,4-trichlorobenzene	13.194	180	54268	8.579	ug/L	#	81
71) Naphthalene	13.435	128	165214	17.337	ug/L	#	92
72) 1,2,3-Trichlorobenzene	13.677	180	38689	7.387	ug/L	#	83

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

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