Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092424\
Data File : VD079872.D
Acq On : 24 Sep 2024 10:31
Operator : RP/MD
Sample : VSTDCCC025
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 25 01:17:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM091024SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 19 01:50:07 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VSTD025913

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/26/2024
Supervised By :Semsettin Yesilyurt 10/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	161607	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	154669	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	73879	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	130003	18.500	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 74.000%			
7) Chloroethane-d5	2.805	69	117887	21.189	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.760%			
11) 1,1-Dichloroethene-d2	3.917	65	25453	19.949	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 79.800%			
21) 2-Butanone-d5	6.987	46	31643	48.465	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 96.920%			
24) Chloroform-d	7.569	84	122098	22.984	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 91.920%			
26) 1,2-Dichloroethane-d4	8.234	65	69294	24.945	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.800%			
32) Benzene-d6	8.199	84	257580	23.589	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 94.360%			
36) 1,2-Dichloropropane-d6	9.210	67	79244	23.695	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 94.800%			
41) Toluene-d8	10.269	98	234232	24.377	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 97.520%			
43) trans-1,3-Dichloroprop...	10.522	79	34722	24.149	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 96.600%			
47) 2-Hexanone-d5	10.875	63	31555	57.881	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 115.760%			
56) 1,1,2,2-Tetrachloroeth...	12.646	84	67245	27.363	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 109.440%			
66) 1,2-Dichlorobenzene-d4	13.810	152	70127	25.170	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 100.680%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	60878	19.756	ug/L	98
3) Chloromethane	2.152	50	109463	20.264	ug/L	97
5) Vinyl chloride	2.287	62	140289	21.194	ug/L	100
6) Bromomethane	2.693	94	72864	21.861	ug/L	99
8) Chloroethane	2.840	64	92165	21.075	ug/L	96
9) Trichlorofluoromethane	3.175	101	103534	21.753	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	3.964	101	57616	21.871	ug/L	99
12) 1,1-Dichloroethene	3.940	96	51569	21.017	ug/L	98
13) Acetone	4.022	43	40190	50.490	ug/L	94
14) Carbon disulfide	4.269	76	149753	18.762	ug/L	99
15) Methyl Acetate	4.569	43	29137m	22.979	ug/L	
16) Methylene chloride	4.805	84	66719	20.894	ug/L	92
17) trans-1,2-Dichloroethene	5.311	96	56442	21.573	ug/L	94
18) Methyl tert-butyl Ether	5.316	73	137327	23.332	ug/L #	94
19) 1,1-Dichloroethane	6.111	63	116510	22.420	ug/L	96
20) cis-1,2-Dichloroethene	7.081	96	66990	23.255	ug/L	96
22) 2-Butanone	7.075	43	45269	48.481	ug/L	96
23) Bromochloromethane	7.422	128	27193	22.241	ug/L	96
25) Chloroform	7.593	83	125056	23.117	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.322	62	76687	23.194	ug/L		99
29) Cyclohexane	7.881	56	87234	22.802	ug/L		98
30) 1,1,1-Trichloroethane	7.793	97	100242	23.776	ug/L		99
31) Carbon tetrachloride	7.993	117	88322	23.645	ug/L		96
33) Benzene	8.252	78	269684	23.416	ug/L		100
34) Trichloroethene	9.028	95	61939	23.275	ug/L		95
35) Methylcyclohexane	9.269	83	98946	23.040	ug/L		98
37) 1,2-Dichloropropane	9.305	63	76890	24.481	ug/L	#	100
38) Bromodichloromethane	9.587	83	88224	24.107	ug/L		96
39) cis-1,3-Dichloropropene	10.016	75	105041	23.816	ug/L		96
40) 4-Methyl-2-pentanone	10.157	43	86041	52.332	ug/L		97
42) Toluene	10.334	91	292521	24.113	ug/L		98
44) trans-1,3-Dichloropropene	10.552	75	99730	25.657	ug/L		98
45) 1,1,2-Trichloroethane	10.728	97	52574	24.500	ug/L		95
46) Tetrachloroethene	10.804	164	40542	22.440	ug/L		91
48) 2-Hexanone	10.922	43	71625	53.557	ug/L		98
49) Dibromochloromethane	11.069	129	57056	24.360	ug/L		91
50) 1,2-Dibromoethane	11.181	107	45031	24.296	ug/L	#	97
51) Chlorobenzene	11.604	112	172010	23.626	ug/L		99
52) Ethylbenzene	11.681	91	311061	24.408	ug/L		98
53) m,p-Xylene	11.793	106	117803	24.405	ug/L		100
54) o-Xylene	12.122	106	113372	23.954	ug/L		96
55) Styrene	12.134	104	210463	25.302	ug/L		99
57) 1,1,2,2-Tetrachloroethane	12.669	83	64464	25.629	ug/L		93
59) Bromoform	12.298	173	31090	24.378	ug/L		99
60) Isopropylbenzene	12.416	105	310950	24.378	ug/L		99
61) 1,2,3-Trichloropropane	12.722	75	41639	22.929	ug/L		96
62) 1,3,5-Trimethylbenzene	12.904	105	234885	25.180	ug/L		99
63) 1,2,4-Trimethylbenzene	13.210	105	237938	24.323	ug/L		99
64) 1,3-Dichlorobenzene	13.457	146	128531	24.384	ug/L		97
65) 1,4-Dichlorobenzene	13.534	146	131754	23.830	ug/L		97
67) 1,2-Dichlorobenzene	13.828	146	116930	24.543	ug/L		98
68) 1,2-Dibromo-3-chloropr...	14.445	75	9898	26.639	ug/L	#	87
69) 1,3,5-Trichlorobenzene	14.592	180	75131	23.507	ug/L		95
70) 1,2,4-trichlorobenzene	15.098	180	62030	23.051	ug/L		98
71) Naphthalene	15.328	128	143770	23.920	ug/L		99
72) 1,2,3-Trichlorobenzene	15.516	180	60050	24.947	ug/L		98

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

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