Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081723\
Data File : VW026757.D
Acq On : 17 Aug 2023 09:01
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025583

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/18/2023
Supervised By :Mahesh Dadoda 08/18/2023

Quant Time: Aug 18 01:28:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Aug 17 01:28:59 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	455771	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	469772	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	270394	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	135082	18.029	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 72.120%			
7) Chloroethane-d5	2.899	69	117535	21.096	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.400%			
11) 1,1-Dichloroethene-d2	4.027	65	80655	21.887	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 87.560%			
21) 2-Butanone-d5	7.075	46	102008	47.370	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 94.740%			
24) Chloroform-d	7.648	84	419421	27.419	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 109.680%			
26) 1,2-Dichloroethane-d4	8.307	65	234020	27.722	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 110.880%			
32) Benzene-d6	8.276	84	812474	25.095	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 100.360%			
36) 1,2-Dichloropropane-d6	9.270	67	251571	24.945	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 99.800%			
41) Toluene-d8	10.319	98	731297	26.313	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 105.240%			
43) trans-1,3-Dichloroprop...	10.575	79	106128	25.488	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 101.960%			
47) 2-Hexanone-d5	10.922	63	56015	52.860	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 105.720%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	219662	27.581	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 110.320%			
66) 1,2-Dichlorobenzene-d4	13.849	152	256287	26.481	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 105.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	157634	25.438	ug/L #	84
3) Chloromethane	2.223	50	176631	20.845	ug/L	100
5) Vinyl chloride	2.375	62	191915	23.692	ug/L	97
6) Bromomethane	2.783	94	114094	24.175	ug/L	95
8) Chloroethane	2.930	64	113169	23.317	ug/L	100
9) Trichlorofluoromethane	3.259	101	165528	24.900	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	195232m	27.188	ug/L	
12) 1,1-Dichloroethene	4.045	96	177112	26.291	ug/L	96
13) Acetone	4.125	43	108555	50.699	ug/L	97
14) Carbon disulfide	4.393	76	601796	24.831	ug/L	99
15) Methyl Acetate	4.673	43	95749	22.324	ug/L	95
16) Methylene chloride	4.917	84	197155	22.362	ug/L	98
17) trans-1,2-Dichloroethene	5.429	96	202444	26.930	ug/L	94
18) Methyl tert-butyl Ether	5.423	73	302766	26.618	ug/L	99
19) 1,1-Dichloroethane	6.216	63	408768	26.420	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	216108	26.745	ug/L	99
22) 2-Butanone	7.167	43	146034	46.280	ug/L	96
23) Bromochloromethane	7.514	128	94094	26.958	ug/L	91
25) Chloroform	7.673	83	400189	26.773	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	283522	27.190	ug/L	99
29) Cyclohexane	7.959	56	366356	25.218	ug/L	97
30) 1,1,1-Trichloroethane	7.874	97	325685	26.564	ug/L	100
31) Carbon tetrachloride	8.069	117	300643	26.819	ug/L	94
33) Benzene	8.325	78	884048	25.842	ug/L	100
34) Trichloroethene	9.093	95	221882	25.466	ug/L	97
35) Methylcyclohexane	9.331	83	403640	27.080	ug/L	98
37) 1,2-Dichloropropane	9.368	63	237258	25.320	ug/L	99
38) Bromodichloromethane	9.642	83	286852	26.095	ug/L	95
39) cis-1,3-Dichloropropene	10.069	75	359406	26.662	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	289334	47.469	ug/L	98
42) Toluene	10.386	91	965588	27.902	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	309081	26.639	ug/L	96
45) 1,1,2-Trichloroethane	10.782	97	166032	25.908	ug/L	98
46) Tetrachloroethene	10.861	164	169390	26.760	ug/L	94
48) 2-Hexanone	10.965	43	218619	52.712	ug/L	99
49) Dibromochloromethane	11.129	129	181166	27.029	ug/L	94
50) 1,2-Dibromoethane	11.233	107	153573	25.540	ug/L	95
51) Chlorobenzene	11.654	112	584160	26.723	ug/L	97
52) Ethylbenzene	11.727	91	1088765	28.055	ug/L	98
53) m,p-Xylene	11.837	106	411021	28.589	ug/L	92
54) o-Xylene	12.166	106	382771	28.527	ug/L	99
55) Styrene	12.178	104	676619	29.002	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.708	83	207784	25.601	ug/L	97
59) Bromoform	12.349	173	106073	25.042	ug/L	96
60) Isopropylbenzene	12.459	105	1086906	27.037	ug/L	98
61) 1,2,3-Trichloropropane	12.769	75	152589	23.264	ug/L	100
62) 1,3,5-Trimethylbenzene	12.940	105	888109	27.950	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	878436	28.212	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	469674	26.864	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	475390	26.055	ug/L	90
67) 1,2-Dichlorobenzene	13.867	146	428749	26.968	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.483	75	36648	23.177	ug/L	95
69) 1,3,5-Trichlorobenzene	14.623	180	313948	26.579	ug/L	99
70) 1,2,4-trichlorobenzene	15.129	180	249608	24.924	ug/L	95
71) Naphthalene	15.360	128	488389	25.566	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	232679	25.759	ug/L	98

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

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