Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120723\
Data File : VW027574.D
Acq On : 07 Dec 2023 13:27
Operator : SY/MD
Sample : 04696-03
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 08 05:19:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Dec 08 05:09:42 2023
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	202443	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	152855	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	62696	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	110197	27.050	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 108.200%			
7) Chloroethane-d5	2.899	69	76959	26.059	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 104.240%			
11) 1,1-Dichloroethene-d2	4.027	65	47199	27.381	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 109.520%			
21) 2-Butanone-d5	7.081	46	24511	22.961	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 45.920%			
24) Chloroform-d	7.654	84	128756	21.308	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 85.240%			
26) 1,2-Dichloroethane-d4	8.307	65	53044	17.166	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 68.680%#			
32) Benzene-d6	8.276	84	288156	26.766	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 107.080%			
36) 1,2-Dichloropropane-d6	9.276	67	75529	23.798	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 95.200%			
41) Toluene-d8	10.325	98	250091	26.550	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 106.200%			
43) trans-1,3-Dichloroprop...	10.581	79	21081	17.176	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 68.720%			
47) 2-Hexanone-d5	10.928	63	13554	22.920	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 45.840%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	40719	15.598	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 62.400%			
66) 1,2-Dichlorobenzene-d4	13.848	152	51980	23.652	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 94.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	4572m	1.687	ug/L	
3) Chloromethane	2.222	50	4621	1.392	ug/L	93
5) Vinyl chloride	2.369	62	6089m	1.572	ug/L	
6) Bromomethane	2.795	94	2983m	1.468	ug/L	
8) Chloroethane	2.942	64	3500m	1.582	ug/L	
9) Trichlorofluoromethane	3.277	101	5317	1.434	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	4.094	101	4968m	1.571	ug/L	
12) 1,1-Dichloroethene	4.051	96	4744	1.643	ug/L #	1
13) Acetone	4.124	43	4461m	4.335	ug/L	
14) Carbon disulfide	4.399	76	12064	1.383	ug/L	99
15) Methyl Acetate	4.685	43	2521m	1.402	ug/L	
16) Methylene chloride	4.929	84	7706	2.334	ug/L	87
17) trans-1,2-Dichloroethene	5.441	96	3840m	1.290	ug/L	
18) Methyl tert-butyl Ether	5.429	73	4061m	0.846	ug/L	
19) 1,1-Dichloroethane	6.216	63	6643	1.097	ug/L #	90
20) cis-1,2-Dichloroethene	7.173	96	3163	0.989	ug/L	100
22) 2-Butanone	7.124	43	4064m	3.061	ug/L	
23) Bromochloromethane	7.526	128	1230m	0.978	ug/L	
25) Chloroform	7.673	83	5957	1.084	ug/L	81

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27)	1,2-Dichloroethane	8.398	62	3177	0.894	ug/L	#	85
29)	Cyclohexane	7.953	56	8732	1.738	ug/L		97
30)	1,1,1-Trichloroethane	7.880	97	6212	1.457	ug/L	#	87
31)	Carbon tetrachloride	8.069	117	5722	1.539	ug/L		91
33)	Benzene	8.325	78	13074	1.239	ug/L		100
34)	Trichloroethene	9.099	95	3801	1.319	ug/L		90
35)	Methylcyclohexane	9.331	83	8017	1.562	ug/L		92
37)	1,2-Dichloropropane	9.367	63	3036	1.090	ug/L		98
38)	Bromodichloromethane	9.648	83	3076	0.955	ug/L	#	99
39)	cis-1,3-Dichloropropene	10.075	75	3403	0.846	ug/L		85
40)	4-Methyl-2-pentanone	10.209	43	2511	1.334	ug/L		98
42)	Toluene	10.386	91	13246	1.187	ug/L		98
44)	trans-1,3-Dichloropropene	10.605	75	3126m	0.964	ug/L		
45)	1,1,2-Trichloroethane	10.794	97	1624	0.837	ug/L		96
46)	Tetrachloroethene	10.861	164	3139	1.528	ug/L		98
48)	2-Hexanone	10.965	43	2071m	1.561	ug/L		
49)	Dibromochloromethane	11.129	129	1623	0.846	ug/L		91
50)	1,2-Dibromoethane	11.239	107	1459	0.822	ug/L	#	84
51)	Chlorobenzene	11.660	112	7194	1.069	ug/L		97
52)	Ethylbenzene	11.727	91	14953	1.180	ug/L		94
53)	m,p-Xylene	11.836	106	5362	1.148	ug/L		96
54)	o-Xylene	12.166	106	4251	1.001	ug/L		94
55)	Styrene	12.178	104	6861	0.947	ug/L		96
57)	1,1,2,2-Tetrachloroethane	12.714	83	2230	0.883	ug/L	#	85
59)	Bromoform	12.349	173	928	1.057	ug/L	#	88
60)	Isopropylbenzene	12.458	105	14882	1.438	ug/L		96
61)	1,2,3-Trichloropropane	12.769	75	1698m	1.123	ug/L		
62)	1,3,5-Trimethylbenzene	12.940	105	9481	1.238	ug/L		93
63)	1,2,4-Trimethylbenzene	13.251	105	8871	1.163	ug/L		93
64)	1,3-Dichlorobenzene	13.495	146	4482	1.130	ug/L		85
65)	1,4-Dichlorobenzene	13.574	146	4393	1.111	ug/L		88
67)	1,2-Dichlorobenzene	13.867	146	3590	1.005	ug/L	#	84
68)	1,2-Dibromo-3-chloropr...	14.495	75	599m	1.647	ug/L		
69)	1,3,5-Trichlorobenzene	14.629	180	2758	1.034	ug/L		96
70)	1,2,4-trichlorobenzene	15.135	180	1942	0.938	ug/L		97
71)	Naphthalene	15.354	128	3173	0.729	ug/L	#	85
72)	1,2,3-Trichlorobenzene	15.549	180	1610	0.908	ug/L	#	88

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

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