Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111524\
Data File : VW031024.D
Acq On : 15 Nov 2024 14:24
Operator : SY/MD
Sample : P4776-04
Misc : 5.00g/10mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2024-08

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/17/2024
Supervised By :Mahesh Dadoda 11/19/2024

Quant Time: Nov 16 00:36:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110424SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Nov 16 00:35:12 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	296495	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	273558	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.555	152	131728	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.362	65	65373	13.444	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 53.760%			
7) Chloroethane-d5	2.899	69	57594	15.443	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 61.760%			
11) 1,1-Dichloroethene-d2	4.021	65	33884	16.887	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 67.560%			
21) 2-Butanone-d5	7.075	46	49028	61.266	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 122.540%			
24) Chloroform-d	7.648	84	185038	21.170	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 84.680%			
26) 1,2-Dichloroethane-d4	8.306	65	98149	22.584	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 90.320%			
32) Benzene-d6	8.276	84	358391	21.088	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 84.360%			
36) 1,2-Dichloropropane-d6	9.270	67	112515	22.458	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 89.840%			
41) Toluene-d8	10.324	98	313231	20.548	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 82.200%			
43) trans-1,3-Dichloroprop...	10.574	79	42492	20.924	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 83.680%			
47) 2-Hexanone-d5	10.922	63	39696	61.138	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 122.280%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	100742	28.862	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 115.440%			
66) 1,2-Dichlorobenzene-d4	13.848	152	117488	24.485	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 97.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	2861	0.906	ug/L #	83
3) Chloromethane	2.216	50	4112	0.966	ug/L	93
5) Vinyl chloride	2.375	62	5302	1.051	ug/L	85
6) Bromomethane	2.789	94	3374	1.019	ug/L	91
8) Chloroethane	2.935	64	3176	1.039	ug/L	99
9) Trichlorofluoromethane	3.271	101	4822	1.048	ug/L	88
10) 1,1,2-Trichloro-1,2,2-...	4.075	101	6575m	1.552	ug/L	
12) 1,1-Dichloroethene	4.039	96	5458	1.424	ug/L #	1
14) Carbon disulfide	4.380	76	11562	0.918	ug/L	99
15) Methyl Acetate	4.679	43	2484m	1.733	ug/L	
16) Methylene chloride	4.923	84	8818	2.104	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	4827m	1.148	ug/L	
18) Methyl tert-butyl Ether	5.423	73	7346	1.295	ug/L #	87
19) 1,1-Dichloroethane	6.215	63	9915	1.264	ug/L	95
20) cis-1,2-Dichloroethene	7.166	96	5621	1.260	ug/L	94
22) 2-Butanone	7.185	43	5405m	4.938	ug/L	
23) Bromochloromethane	7.520	128	2861	1.465	ug/L #	82
25) Chloroform	7.678	83	11064	1.340	ug/L	96
27) 1,2-Dichloroethane	8.404	62	6641	1.292	ug/L	100

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Quant Title : SFAM01.0
QLast Update : Sat Nov 16 00:35:12 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
29) Cyclohexane	7.953	56	5924	0.904 ug/L	95
30) 1,1,1-Trichloroethane	7.867	97	8264m	1.176 ug/L	
31) Carbon tetrachloride	8.063	117	7781	1.232 ug/L	97
33) Benzene	8.325	78	21695	1.230 ug/L	100
34) Trichloroethene	9.093	95	6048	1.244 ug/L	96
35) Methylcyclohexane	9.331	83	8004	1.039 ug/L	100
37) 1,2-Dichloropropane	9.367	63	5897	1.338 ug/L #	96
38) Bromodichloromethane	9.648	83	7706	1.332 ug/L #	97
39) cis-1,3-Dichloropropene	10.068	75	8062	1.223 ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	5557	2.758 ug/L	99
42) Toluene	10.385	91	23654	1.267 ug/L	99
44) trans-1,3-Dichloropropene	10.605	75	8867	1.619 ug/L	94
45) 1,1,2-Trichloroethane	10.788	97	4382	1.385 ug/L	93
46) Tetrachloroethene	10.861	164	4468	1.202 ug/L	95
48) 2-Hexanone	10.964	43	4290m	2.798 ug/L	
49) Dibromochloromethane	11.123	129	4881	1.415 ug/L	90
50) 1,2-Dibromoethane	11.239	107	4158	1.425 ug/L	92
51) Chlorobenzene	11.653	112	15642	1.309 ug/L	88
52) Ethylbenzene	11.727	91	22986	1.090 ug/L	99
53) m,p-Xylene	11.836	106	8179	1.031 ug/L	99
54) o-Xylene	12.159	106	7613	1.043 ug/L	98
55) Styrene	12.178	104	12385	0.993 ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.708	83	5836	1.691 ug/L #	95
59) Bromoform	12.348	173	2753	1.464 ug/L #	96
60) Isopropylbenzene	12.458	105	19290	0.960 ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	3965	1.605 ug/L	96
62) 1,3,5-Trimethylbenzene	12.940	105	15198	0.961 ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	13993	0.908 ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	11100	1.258 ug/L	90
65) 1,4-Dichlorobenzene	13.574	146	12411	1.370 ug/L	94
67) 1,2-Dichlorobenzene	13.866	146	11409	1.451 ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.470	75	883m	1.689 ug/L	
69) 1,3,5-Trichlorobenzene	14.622	180	7749	1.324 ug/L	98
70) 1,2,4-trichlorobenzene	15.122	180	5521	1.188 ug/L	96
71) Naphthalene	15.360	128	8734	1.159 ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	5489	1.370 ug/L	90

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

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