Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080423\
Data File : VD076923.D
Acq On : 04 Aug 2023 13:13
Operator : KP/SY
Sample : 03573-04
Misc : 5.00G/10ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2023-06

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/07/2023
Supervised By :Semsettin Yesilyurt 08/07/2023

Quant Time: Aug 05 00:17:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM080323SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Aug 04 02:21:25 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	268056	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	266044	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	123857	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.270	65	147744	20.042	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 80.160%			
7) Chloroethane-d5	2.799	69	144200	21.160	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.640%			
11) 1,1-Dichloroethene-d2	3.917	65	34739	19.888	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 79.560%			
21) 2-Butanone-d5	6.987	46	51362	43.397	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 86.800%			
24) Chloroform-d	7.563	84	189670	21.729	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 86.920%			
26) 1,2-Dichloroethane-d4	8.228	65	96382	22.150	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 88.600%			
32) Benzene-d6	8.199	84	384862	23.009	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 92.040%			
36) 1,2-Dichloropropane-d6	9.205	67	118325	23.008	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 92.040%			
41) Toluene-d8	10.269	98	352019	22.954	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 91.800%			
43) trans-1,3-Dichloroprop...	10.528	79	49308	21.207	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 84.840%			
47) 2-Hexanone-d5	10.875	63	43450	44.229	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 88.460%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	105242	21.178	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 84.720%			
66) 1,2-Dichlorobenzene-d4	13.816	152	106979	23.625	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 94.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	4432	0.998	ug/L	95
3) Chloromethane	2.146	50	6073	1.054	ug/L #	70
5) Vinyl chloride	2.281	62	8165	0.991	ug/L #	65
6) Bromomethane	2.693	94	6471	1.052	ug/L	77
8) Chloroethane	2.828	64	5378	0.969	ug/L	83
9) Trichlorofluoromethane	3.170	101	6161m	0.903	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	5511m	1.239	ug/L	
12) 1,1-Dichloroethene	3.934	96	5309	1.346	ug/L #	1
13) Acetone	4.028	43	3150m	2.603	ug/L	
14) Carbon disulfide	4.275	76	12017m	0.878	ug/L	
15) Methyl Acetate	4.575	43	1906m	0.932	ug/L	
16) Methylene chloride	4.799	84	33205	5.905	ug/L	79
17) trans-1,2-Dichloroethene	5.311	96	4196m	0.940	ug/L	
18) Methyl tert-butyl Ether	5.322	73	7891m	0.800	ug/L	
19) 1,1-Dichloroethane	6.105	63	6919	0.928	ug/L #	84
20) cis-1,2-Dichloroethene	7.081	96	3961m	0.795	ug/L	
22) 2-Butanone	7.069	43	4626m	2.732	ug/L	
23) Bromochloromethane	7.416	128	2268m	0.938	ug/L	
25) Chloroform	7.593	83	12786	1.566	ug/L	97

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Quant Title : SFAM01.0
QLast Update : Fri Aug 04 02:21:25 2023
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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
27) 1,2-Dichloroethane	8.316	62	5173	1.011 ug/L	96
29) Cyclohexane	7.875	56	4830m	0.825 ug/L	
30) 1,1,1-Trichloroethane	7.793	97	5667	0.860 ug/L #	75
31) Carbon tetrachloride	7.993	117	4815m	0.892 ug/L	
33) Benzene	8.252	78	15548	0.892 ug/L	100
34) Trichloroethene	9.022	95	5382	1.185 ug/L	86
35) Methylcyclohexane	9.269	83	6117	0.826 ug/L	90
37) 1,2-Dichloropropane	9.299	63	3667	0.828 ug/L	98
38) Bromodichloromethane	9.581	83	5403	0.886 ug/L	98
39) cis-1,3-Dichloropropene	10.016	75	6035	0.844 ug/L	95
40) 4-Methyl-2-pentanone	10.152	43	4697	1.683 ug/L #	95
42) Toluene	10.334	91	17155	0.905 ug/L	95
44) trans-1,3-Dichloropropene	10.557	75	7297	1.168 ug/L	90
45) 1,1,2-Trichloroethane	10.734	97	3336	0.847 ug/L #	85
46) Tetrachloroethene	10.804	164	2992	0.874 ug/L	86
48) 2-Hexanone	10.922	43	3311	1.543 ug/L #	91
49) Dibromochloromethane	11.075	129	3833	0.875 ug/L #	65
50) 1,2-Dibromoethane	11.181	107	3312	0.863 ug/L #	41
51) Chlorobenzene	11.610	112	10583	0.857 ug/L	94
52) Ethylbenzene	11.687	91	16806	0.832 ug/L	99
53) m,p-Xylene	11.793	106	5671	0.727 ug/L	96
54) o-Xylene	12.122	106	5973	0.797 ug/L	79
55) Styrene	12.140	104	9936	0.733 ug/L	85
57) 1,1,2,2-Tetrachloroethane	12.669	83	4455	0.915 ug/L #	93
59) Bromoform	12.299	173	1899	0.773 ug/L #	76
60) Isopropylbenzene	12.422	105	14380	0.807 ug/L	98
61) 1,2,3-Trichloropropane	12.728	75	2942	1.018 ug/L #	89
62) 1,3,5-Trimethylbenzene	12.904	105	10884	0.802 ug/L	98
63) 1,2,4-Trimethylbenzene	13.216	105	10388	0.769 ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	7438	0.915 ug/L	91
65) 1,4-Dichlorobenzene	13.534	146	8465	1.007 ug/L	94
67) 1,2-Dichlorobenzene	13.834	146	7586	0.995 ug/L #	93
68) 1,2-Dibromo-3-chloropr...	14.440	75	803m	1.212 ug/L	
69) 1,3,5-Trichlorobenzene	14.587	180	4578	0.900 ug/L	94
70) 1,2,4-trichlorobenzene	15.098	180	4564	1.020 ug/L	94
71) Naphthalene	15.334	128	9929	0.944 ug/L #	89
72) 1,2,3-Trichlorobenzene	15.522	180	3761m	0.927 ug/L	

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

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