Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062923\
Data File : VD076647.D
Acq On : 29 Jun 2023 19:24
Operator : KP/SY
Sample : 03472-07MS
Misc : 6.37G/10.0ml/MSVOA_D/SOIL
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 30 01:16:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM061523SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Jun 16 01:50:34 2023
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
A46Q2MS

Manual Integrations APPROVED

Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	204323	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	184693	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	95490	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.264	65	97746	19.644	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 78.560%			
7) Chloroethane-d5	2.787	69	79977	19.878	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 79.520%			
11) 1,1-Dichloroethene-d2	3.911	65	29039	22.357	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 89.440%			
21) 2-Butanone-d5	6.981	46	45849	60.841	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 121.680%			
24) Chloroform-d	7.569	84	132758	24.662	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 98.640%			
26) 1,2-Dichloroethane-d4	8.228	65	74200	27.941	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 111.760%			
32) Benzene-d6	8.199	84	244531	21.644	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 86.560%			
36) 1,2-Dichloropropane-d6	9.205	67	79343	22.001	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 88.000%			
41) Toluene-d8	10.269	98	227912	21.786	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 87.160%			
43) trans-1,3-Dichloroprop...	10.522	79	37497	24.998	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 100.000%			
47) 2-Hexanone-d5	10.875	63	32167	57.461	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 114.920%			
56) 1,1,2,2-Tetrachloroeth...	12.651	84	75420	29.396	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 117.600%			
66) 1,2-Dichlorobenzene-d4	13.816	152	80412	22.974	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 91.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	89097	27.984	ug/L	99
3) Chloromethane	2.146	50	125906	23.788	ug/L	96
5) Vinyl chloride	2.275	62	129731	22.721	ug/L	98
6) Bromomethane	2.681	94	49693	15.713	ug/L	98
8) Chloroethane	2.823	64	77478	22.152	ug/L	97
9) Trichlorofluoromethane	3.164	101	119426	28.928	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.958	101	73516	27.453	ug/L	100
12) 1,1-Dichloroethene	3.928	96	65265	24.612	ug/L	94
13) Acetone	4.022	43	33583	55.175	ug/L	75
14) Carbon disulfide	4.258	76	214540	22.319	ug/L	99
15) Methyl Acetate	4.558	43	39726m	28.591	ug/L	
16) Methylene chloride	4.793	84	75832	21.353	ug/L	94
17) trans-1,2-Dichloroethene	5.305	96	69633	23.553	ug/L	94
18) Methyl tert-butyl Ether	5.311	73	201583	29.950	ug/L	97
19) 1,1-Dichloroethane	6.105	63	129029	23.872	ug/L	98
20) cis-1,2-Dichloroethene	7.075	96	77622	23.510	ug/L	98
22) 2-Butanone	7.087	43	50681	51.597	ug/L	96
23) Bromochloromethane	7.422	128	38149	27.224	ug/L	96
25) Chloroform	7.593	83	134699	25.535	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) 1,2-Dichloroethane	8.322	62	93219	28.736	ug/L		99
29) Cyclohexane	7.869	56	108742	22.141	ug/L		91
30) 1,1,1-Trichloroethane	7.787	97	117256	27.329	ug/L		99
31) Carbon tetrachloride	7.987	117	98259	28.635	ug/L		100
33) Benzene	8.246	78	283196	23.168	ug/L		100
34) Trichloroethene	9.022	95	73149	23.295	ug/L		95
35) Methylcyclohexane	9.269	83	120493	23.796	ug/L		97
37) 1,2-Dichloropropane	9.305	63	74562	22.374	ug/L	#	97
38) Bromodichloromethane	9.581	83	101875	26.802	ug/L		96
39) cis-1,3-Dichloropropene	10.016	75	123417	24.253	ug/L		98
40) 4-Methyl-2-pentanone	10.157	43	116936	56.404	ug/L		99
42) Toluene	10.334	91	302036	23.122	ug/L		99
44) trans-1,3-Dichloropropene	10.552	75	105062	25.400	ug/L		99
45) 1,1,2-Trichloroethane	10.734	97	62572	27.373	ug/L		97
46) Tetrachloroethene	10.810	164	58150	23.556	ug/L		92
48) 2-Hexanone	10.922	43	81528	57.419	ug/L		99
49) Dibromochloromethane	11.069	129	71978	27.708	ug/L		94
50) 1,2-Dibromoethane	11.181	107	60936	27.466	ug/L		94
51) Chlorobenzene	11.604	112	196628	24.110	ug/L		96
52) Ethylbenzene	11.681	91	330649	23.484	ug/L		97
53) m,p-Xylene	11.793	106	123118	22.251	ug/L		97
54) o-Xylene	12.122	106	120246	22.824	ug/L		90
55) Styrene	12.134	104	219245	24.088	ug/L		100
57) 1,1,2,2-Tetrachloroethane	12.669	83	78124	29.905	ug/L	#	97
59) Bromoform	12.298	173	46300	27.085	ug/L		97
60) Isopropylbenzene	12.422	105	324195	22.197	ug/L		99
61) 1,2,3-Trichloropropane	12.722	75	52091	28.109	ug/L		97
62) 1,3,5-Trimethylbenzene	12.904	105	263344	22.536	ug/L		99
63) 1,2,4-Trimethylbenzene	13.210	105	261096	22.642	ug/L		98
64) 1,3-Dichlorobenzene	13.457	146	148320	22.826	ug/L		98
65) 1,4-Dichlorobenzene	13.540	146	147482	22.517	ug/L		97
67) 1,2-Dichlorobenzene	13.828	146	133945	23.139	ug/L		97
68) 1,2-Dibromo-3-chloropr...	14.445	75	12362	29.932	ug/L		94
69) 1,3,5-Trichlorobenzene	14.592	180	97196	22.426	ug/L		99
70) 1,2,4-trichlorobenzene	15.098	180	88915	23.057	ug/L		97
71) Naphthalene	15.334	128	198036	26.822	ug/L		99
72) 1,2,3-Trichlorobenzene	15.522	180	78072	23.313	ug/L		96

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

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