Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091324\
Data File : BG062808.D
Acq On : 14 Sep 2024 12:46
Operator : JU/RC
Sample : P3391-04
Misc : SFAM-MDL-Q3-SOIL-02
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 14 14:31:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 01:28:17 2024
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
MDL-SOIL-QT3-2024-06

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.902	152	38273	20.000	ng/ul	0.00
20) Naphthalene-d8	10.693	136	169262	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.530	164	141323	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.273	188	386045	20.000	ng/ul	0.00
79) Chrysene-d12	21.521	240	434981	20.000	ng/ul	0.00
88) Perylene-d12	24.582	264	447646	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.354	96	4057	4.792	ng/uL	0.00
4) Pyridine-d5	3.766	84	62316	23.122	ng/ul	0.00
7) Phenol-d5	7.068	99	72270	21.534	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.232	67	41791	20.770	ng/ul	0.00
11) 2-Chlorophenol-d4	7.432	132	54750	22.396	ng/ul	0.00
15) 4-Methylphenol-d8	8.607	113	57508	20.563	ng/ul	0.00
21) Nitrobenzene-d5	9.054	128	29560	24.435	ng/ul	0.00
24) 2-Nitrophenol-d4	9.776	143	33450	25.283	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.317	165	63504	22.040	ng/ul	0.00
31) 4-Chloroaniline-d4	10.828	131	81509	20.581	ng/ul	0.00
46) Dimethylphthalate-d6	13.936	166	240266	22.078	ng/ul	0.00
49) Acenaphthylene-d8	14.224	160	265072	21.931	ng/ul	0.00
54) 4-Nitrophenol-d4	14.729	143	39087	21.142	ng/ul	0.00
60) Fluorene-d10	15.523	176	224303	22.872	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.640	200	45557	20.516	ng/ul	0.00
73) Anthracene-d10	17.373	188	348563	19.132	ng/ul	0.00
81) Pyrene-d10	19.665	212	533356	21.790	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.377	264	535846	22.670	ng/ul	0.00
Target Compounds						Qvalue
5) Pyridine	3.783	79	12057	4.265	ng/ul#	65
6) Benzaldehyde	7.038	77	8167	4.426	ng/ul	92
8) Phenol	7.091	94	14238	4.081	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.326	93	10777	4.086	ng/ul	92
12) 2-Chlorophenol	7.467	128	11496	4.599	ng/ul	98
13) 2-Methylphenol	8.343	108	10637	4.066	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.431	45	20834	4.389	ng/ul	95
16) Acetophenone	8.719	105	18972	4.174	ng/ul	93
17) N-Nitroso-di-n-propyla...	8.701	70	10165	4.272	ng/ul#	96
18) 4-Methylphenol	8.666	108	11808	4.012	ng/ul	98
19) Hexachloroethane	8.983	117	4908	4.878	ng/ul	89
22) Nitrobenzene	9.095	77	15392	4.703	ng/ul	92
23) Isophorone	9.618	82	31204	4.664	ng/ul	97
25) 2-Nitrophenol	9.806	139	6792	4.658	ng/ul	97
26) 2,4-Dimethylphenol	9.864	107	6290	2.019	ng/ul#	78
27) Bis(2-Chloroethoxy)met...	10.099	93	16485	4.409	ng/ul	94
29) 2,4-Dichlorophenol	10.346	162	12540	4.419	ng/ul	92
30) Naphthalene	10.746	128	39825	4.388	ng/ul	96
32) 4-Chloroaniline	10.852	127	15422	3.915	ng/ul#	86
33) Hexachlorobutadiene	11.034	225	11752	4.971	ng/ul	91
34) Caprolactam	11.604	113	6606	6.316	ng/ul	96
35) 4-Chloro-3-methylphenol	11.980	107	14131	4.565	ng/ul	98
36) 2-Methylnaphthalene	12.356	142	30548	4.561	ng/ul	95
37) 1-Methylnaphthalene	12.573	142	31465	4.586	ng/ul	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,2,4,5-Tetrachloroben...	12.720	216	21886	4.505	ng/ul	95
40) Hexachlorocyclopentadiene	12.702	237	9890	3.978	ng/ul	95
41) 2,4,6-Trichlorophenol	12.961	196	14164	4.813	ng/ul	97
42) 2,4,5-Trichlorophenol	13.037	196	14703	4.653	ng/ul	90
43) 1,1'-Biphenyl	13.360	154	43891	4.416	ng/ul	95
44) 2-Chloronaphthalene	13.401	162	35745	4.423	ng/ul	97
45) 2-Nitroaniline	13.601	65	9109	4.108	ng/ul	89
47) Dimethylphthalate	13.977	163	49904	4.453	ng/ul	98
48) 2,6-Dinitrotoluene	14.101	165	8339	4.223	ng/ul	100
50) Acenaphthylene	14.253	152	59029	4.626	ng/ul	99
51) 3-Nitroaniline	14.430	138	8185	4.140	ng/ul	98
52) Acenaphthene	14.594	153	38836	4.297	ng/ul	97
53) 2,4-Dinitrophenol	14.635	184	6432	4.933	ng/ul	97
55) 4-Nitrophenol	14.741	109	8103	4.876	ng/ul	91
56) Dibenzofuran	14.929	168	57478	4.281	ng/ul	96
57) 2,4-Dinitrotoluene	14.888	165	14099	4.567	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.158	232	15285	4.774	ng/ul	93
59) Diethylphthalate	15.346	149	48690	4.404	ng/ul	100
61) Fluorene	15.575	166	48554	4.603	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.570	204	28583	4.620	ng/ul	97
63) 4-Nitroaniline	15.587	138	8472	3.983	ng/ul	88
66) 4,6-Dinitro-2-methylph...	15.658	198	9756	4.238	ng/ul	97
67) N-Nitrosodiphenylamine	15.787	169	40852	4.126	ng/ul	97
68) 4-Bromophenyl-phenylether	16.468	248	19791	4.455	ng/ul	91
69) Hexachlorobenzene	16.580	284	23367	4.607	ng/ul	97
70) Atrazine	16.733	200	19927	4.519	ng/ul	98
71) Pentachlorophenol	16.927	266	17217	5.675	ng/ul#	85
72) Phenanthrene	17.315	178	89473	4.457	ng/ul	96
74) Anthracene	17.409	178	80041	3.911	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.331	216	21736	4.123	ng/ul	92
76) Pentachlorobenzene	14.853	250	25940	4.440	ng/ul	97
77) Carbazole	17.679	167	73931	4.356	ng/ul	96
78) Di-n-butylphthalate	18.237	149	91387	4.553	ng/ul	99
80) Fluoranthene	19.330	202	119895	4.423	ng/ul	98
82) Pyrene	19.694	202	126471	4.334	ng/ul	99
83) Butylbenzylphthalate	20.581	149	42565	4.913	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.421	252	40209	4.391	ng/ul	97
85) Benzo(a)anthracene	21.504	228	134726	4.453	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.421	149	64716	5.073	ng/ul	100
87) Chrysene	21.568	228	127852	4.455	ng/ul	100
89) Di-n-octyl phthalate	22.573	149	105276	5.056	ng/ul	100
90) Benzo(b)fluoranthene	23.613	252	132142	4.781	ng/ul	99
91) Benzo(k)fluoranthene	23.678	252	128594	4.544	ng/ul	99
93) Benzo(a)pyrene	24.436	252	119193	4.572	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.031	276	147080	4.579	ng/ul	99
95) Dibenzo(a,h)anthracene	28.084	278	119945	4.649	ng/ul	94
96) Benzo(g,h,i)perylene	29.112	276	118338	4.771	ng/ul	98

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

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