

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101623\
 Data File : BG059453.D
 Acq On : 16 Oct 2023 12:15
 Operator : MA/JU
 Sample : 02215-06
 Misc : SFAM-MD-ME-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04

Quant Time: Oct 17 03:43:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG101223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 17:05:49 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/17/2023
 Supervised By :mohammad ahmed 10/18/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	31467	20.000	ng/ul	0.00
20) Naphthalene-d8	11.061	136	145557	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.856	164	95004	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.606	188	298505	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.913	240	248846	20.000	ng/ul	0.00
88) Perylene-d12	25.385	264	280540	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.505	96	5352	5.334	ng/uL	0.00
4) Pyridine-d5	3.945	84	80618	29.355	ng/ul	0.00
7) Phenol-d5	7.341	99	77451	22.480	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.535	67	44951	22.892	ng/ul	0.00
11) 2-Chlorophenol-d4	7.735	132	57740	23.552	ng/ul	0.00
15) 4-Methylphenol-d8	8.910	113	54459	20.730	ng/ul	0.00
21) Nitrobenzene-d5	9.416	128	28399	23.625	ng/ul	0.00
24) 2-Nitrophenol-d4	10.132	143	29265	24.939	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.661	165	53328	21.869	ng/ul	0.00
31) 4-Chloroaniline-d4	11.208	131	80985	20.927	ng/ul	0.00
46) Dimethylphthalate-d6	14.251	166	188132	23.373	ng/ul	0.00
49) Acenaphthylene-d8	14.557	160	216507	22.308	ng/ul	0.00
54) 4-Nitrophenol-d4	15.044	143	31167	22.417	ng/ul	0.00
60) Fluorene-d10	15.843	176	175887	23.215	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.955	200	31252	17.134	ng/ul	0.00
73) Anthracene-d10	17.706	188	348369	22.699	ng/ul	0.00
81) Pyrene-d10	19.980	212	342623	22.669	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.144	264	370591	24.129	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.552	88	1195m	0.957	ng/uL	
5) Pyridine	3.969	79	13410	4.944	ng/ul#	73
6) Benzaldehyde	7.359	77	7013	4.630	ng/ul	92
8) Phenol	7.371	94	11642	3.391	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.635	93	10759	3.998	ng/ul#	83
12) 2-Chlorophenol	7.770	128	8517	3.384	ng/ul	94
13) 2-Methylphenol	8.646	108	8962	3.561	ng/ul#	81
14) 2,2'-oxybis(1-Chloropr...	8.716	45	19854	3.524	ng/ul#	93
16) Acetophenone	9.057	105	14907	3.781	ng/ul	99
17) N-Nitroso-di-n-propyla...	9.016	70	6680	3.694	ng/ul#	87
18) 4-Methylphenol	8.975	108	9498	3.482	ng/ul	99
19) Hexachloroethane	9.304	117	3081	3.180	ng/ul#	70
22) Nitrobenzene	9.457	77	9234	3.443	ng/ul	93
23) Isophorone	9.962	82	22124	3.884	ng/ul#	91
25) 2-Nitrophenol	10.173	139	5227	4.073	ng/ul#	81
26) 2,4-Dimethylphenol	10.197	107	8895	3.310	ng/ul	89
27) Bis(2-Chloroethoxy)met...	10.450	93	13419	3.688	ng/ul#	89
29) 2,4-Dichlorophenol	10.696	162	9443	4.018	ng/ul#	86
30) Naphthalene	11.108	128	32538	3.714	ng/ul	97
32) 4-Chloroaniline	11.225	127	11989	3.300	ng/ul#	84
33) Hexachlorobutadiene	11.337	225	6863	4.415	ng/ul#	91
34) Caprolactam	12.012	113	2896	3.489	ng/ul	86
35) 4-Chloro-3-methylphenol	12.306	107	8255	3.439	ng/ul#	85
36) 2-Methylnaphthalene	12.694	142	20707	3.663	ng/ul	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.911	142	21930	3.810	ng/ul#	86
39) 1,2,4,5-Tetrachloroben...	13.041	216	11746	3.828	ng/ul#	94
40) Hexachlorocyclopentadiene	13.000	237	8428	4.749	ng/ul#	85
41) 2,4,6-Trichlorophenol	13.287	196	5704	3.025	ng/ul	82
42) 2,4,5-Trichlorophenol	13.358	196	6948	3.348	ng/ul#	86
43) 1,1'-Biphenyl	13.693	154	30699	3.613	ng/ul#	90
44) 2-Chloronaphthalene	13.746	162	24002	3.692	ng/ul	91
45) 2-Nitroaniline	13.963	65	6008	3.478	ng/ul#	87
47) Dimethylphthalate	14.298	163	31720	3.932	ng/ul#	97
48) 2,6-Dinitrotoluene	14.445	165	5504	3.705	ng/ul#	68
50) Acenaphthylene	14.586	152	36250	3.534	ng/ul	95
51) 3-Nitroaniline	14.780	138	5182	3.291	ng/ul#	82
52) Acenaphthene	14.921	153	26311	3.749	ng/ul	95
53) 2,4-Dinitrophenol	14.980	184	5150	6.551	ng/ul#	86
55) 4-Nitrophenol	15.056	109	3416	3.493	ng/ul#	81
56) Dibenzofuran	15.250	168	35958	3.789	ng/ul	99
57) 2,4-Dinitrotoluene	15.220	165	7772	3.719	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.456	232	6590	3.554	ng/ul#	93
59) Diethylphthalate	15.638	149	30517	3.914	ng/ul#	89
61) Fluorene	15.896	166	29532	3.709	ng/ul	88
62) 4-Chlorophenyl-phenyle...	15.884	204	15655	3.917	ng/ul	91
63) 4-Nitroaniline	15.943	138	6165	4.044	ng/ul#	72
66) 4,6-Dinitro-2-methylph...	15.967	198	5190	2.661	ng/ul#	94
67) N-Nitrosodiphenylamine	16.102	169	23884	2.737	ng/ul	98
68) 4-Bromophenyl-phenylether	16.783	248	9114	2.785	ng/ul	96
69) Hexachlorobenzene	16.866	284	10019	2.671	ng/ul#	91
70) Atrazine	17.036	200	9690	2.814	ng/ul	93
71) Pentachlorophenol	17.230	266	8544m	4.019	ng/ul	
72) Phenanthrene	17.647	178	68384	3.684	ng/ul#	95
74) Anthracene	17.741	178	69043m	3.609	ng/ul	
75) 1,2,3,4-Tetrachloroben...	13.646	216	11101	2.582	ng/uL#	82
76) Pentachlorobenzene	15.144	250	12408	2.983	ng/uL	94
77) Carbazole	18.017	167	55720m	3.384	ng/ul	
78) Di-n-butylphthalate	18.522	149	63804	3.405	ng/ul#	97
80) Fluoranthene	19.645	202	65577	3.572	ng/ul	95
82) Pyrene	20.009	202	74384	3.812	ng/ul#	95
83) Butylbenzylphthalate	20.861	149	23986	3.641	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.807	252	22047	3.417	ng/ul	97
85) Benzo(a)anthracene	21.889	228	73407m	3.739	ng/ul	
86) Bis(2-ethylhexyl)phtha...	21.719	149	34187	3.598	ng/ul#	95
87) Chrysene	21.960	228	71377	3.859	ng/ul	97
89) Di-n-octyl phthalate	23.011	149	56973	3.432	ng/ul	100
90) Benzo(b)fluoranthene	24.257	252	72973	3.830	ng/ul#	89
91) Benzo(k)fluoranthene	24.333	252	76273	3.905	ng/ul#	95
93) Benzo(a)pyrene	25.221	252	69844	3.822	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.410	276	75440m	3.671	ng/ul	
95) Dibenzo(a,h)anthracene	29.480	278	62023m	3.652	ng/ul	
96) Benzo(g,h,i)perylene	30.667	276	61981m	3.715	ng/ul	

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

