

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101323\
 Data File : BG059443.D
 Acq On : 13 Oct 2023 15:00
 Operator : MA/JU
 Sample : 02215-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT2-2023-03

Quant Time: Oct 14 00:59:36 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.212	152	29349	20.000	ng/u1	0.00
20) Naphthalene-d8	11.056	136	135063	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.852	164	87184	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.607	188	204198	20.000	ng/u1	0.00
79) Chrysene-d12	21.908	240	231041	20.000	ng/u1	0.00
88) Perylene-d12	25.386	264	270019	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.506	96	5200	5.556	ng/uL	0.00
4) Pyridine-d5	3.941	84	60651	23.678	ng/u1	0.00
7) Phenol-d5	7.343	99	71022	22.102	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.537	67	41317	22.560	ng/u1	0.00
11) 2-Chlorophenol-d4	7.731	132	54260	23.730	ng/u1	0.00
15) 4-Methylphenol-d8	8.912	113	51840	21.157	ng/u1	0.00
21) Nitrobenzene-d5	9.417	128	26611	23.858	ng/u1	0.00
24) 2-Nitrophenol-d4	10.128	143	29322	26.930	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.663	165	50058	22.123	ng/u1	0.00
31) 4-Chloroaniline-d4	11.203	131	76219	21.226	ng/u1	0.00
46) Dimethylphthalate-d6	14.247	166	169367	22.929	ng/u1	0.00
49) Acenaphthylene-d8	14.558	160	200083	22.465	ng/u1	0.00
54) 4-Nitrophenol-d4	15.040	143	25254	19.793	ng/u1	0.00
60) Fluorene-d10	15.839	176	156460	22.503	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.956	200	26257	21.044	ng/u1	0.00
73) Anthracene-d10	17.701	188	244206	23.261	ng/u1	0.00
81) Pyrene-d10	19.981	212	298603	21.279	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.140	264	341170	23.079	ng/u1	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.541	88	2008	1.725	ng/uL#	48
5) Pyridine	3.970	79	9828m	3.885	ng/u1	
6) Benzaldehyde	7.360	77	7017m	4.967	ng/u1	
8) Phenol	7.372	94	11651	3.639	ng/u1	93
10) Bis(2-Chloroethyl)ether	7.631	93	9263	3.691	ng/u1	91
12) 2-Chlorophenol	7.766	128	9071	3.865	ng/u1	92
13) 2-Methylphenol	8.641	108	7832	3.336	ng/u1	85
14) 2,2'-oxybis(1-Chloropr...	8.724	45	19566m	3.724	ng/u1	
16) Acetophenone	9.059	105	13059	3.551	ng/u1#	89
17) N-Nitroso-di-n-propyla...	9.023	70	5233	3.103	ng/u1#	98
18) 4-Methylphenol	8.970	108	8854	3.480	ng/u1	85
19) Hexachloroethane	9.299	117	3580	3.961	ng/u1#	85
22) Nitrobenzene	9.452	77	10047	4.037	ng/u1#	80
23) Isophorone	9.963	82	18150	3.434	ng/u1#	92
25) 2-Nitrophenol	10.163	139	4236	3.557	ng/u1#	88
26) 2,4-Dimethylphenol	10.187	107	8801	3.530	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.451	93	12480	3.696	ng/u1#	94
29) 2,4-Dichlorophenol	10.680	162	8005m	3.671	ng/u1	
30) Naphthalene	11.109	128	29833	3.670	ng/u1	98
32) 4-Chloroaniline	11.227	127	12486	3.704	ng/u1#	87
33) Hexachlorobutadiene	11.332	225	5170	3.584	ng/u1#	86
34) Caprolactam	12.002	113	2938m	3.815	ng/u1	
35) 4-Chloro-3-methylphenol	12.313	107	7355	3.302	ng/u1#	83
36) 2-Methylnaphthalene	12.701	142	19658	3.748	ng/u1#	74

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 1-Methylnaphthalene	12.913	142	19842	3.715	ng/ul#	79	10/16/2023
39) 1,2,4,5-Tetrachloroben...	13.036	216	10393	3.691	ng/ul	92	Supervised By :mohammad ahmed
40) Hexachlorocyclopentadiene	12.995	237	8074	4.958	ng/ul	93	
41) 2,4,6-Trichlorophenol	13.289	196	5629	3.253	ng/ul#	89	
42) 2,4,5-Trichlorophenol	13.353	196	6606m	3.469	ng/ul		
43) 1,1'-Biphenyl	13.694	154	28074	3.600	ng/ul#	98	
44) 2-Chloronaphthalene	13.747	162	20959	3.513	ng/ul#	82	10/17/2023
45) 2-Nitroaniline	13.965	65	5621	3.546	ng/ul#	76	
47) Dimethylphthalate	14.299	163	27895	3.768	ng/ul#	88	
48) 2,6-Dinitrotoluene	14.440	165	4639	3.403	ng/ul#	73	
50) Acenaphthylene	14.587	152	34903	3.708	ng/ul	95	
51) 3-Nitroaniline	14.787	138	4968	3.438	ng/ul#	68	
52) Acenaphthene	14.916	153	23313	3.619	ng/ul	91	
53) 2,4-Dinitrophenol	14.981	184	4669	6.472	ng/ul#	88	
55) 4-Nitrophenol	15.063	109	3099	3.453	ng/ul#	81	
56) Dibenzofuran	15.251	168	32285	3.707	ng/ul	93	
57) 2,4-Dinitrotoluene	15.222	165	8011	4.177	ng/ul#	88	
58) 2,3,4,6-Tetrachlorophenol	15.457	232	5464	3.211	ng/ul#	77	
59) Diethylphthalate	15.645	149	25238	3.528	ng/ul	98	
61) Fluorene	15.898	166	27693	3.790	ng/ul	99	
62) 4-Chlorophenyl-phenyle...	15.880	204	14146	3.857	ng/ul	88	
63) 4-Nitroaniline	15.945	138	5409	3.866	ng/ul#	71	
66) 4,6-Dinitro-2-methylph...	15.968	198	4418	3.311	ng/ul#	94	
67) N-Nitrosodiphenylamine	16.103	169	21870	3.664	ng/ul#	84	
68) 4-Bromophenyl-phenylether	16.779	248	8116	3.626	ng/ul	93	
69) Hexachlorobenzene	16.867	284	10320	4.022	ng/ul#	89	
70) Atrazine	17.032	200	10385	4.409	ng/ul#	85	
71) Pentachlorophenol	17.231	266	7539	5.184	ng/ul#	86	
72) Phenanthrene	17.648	178	47674	3.755	ng/ul#	96	
74) Anthracene	17.737	178	50797m	3.881	ng/ul		
75) 1,2,3,4-Tetrachloroben...	13.647	216	10631	3.615	ng/ul	88	
76) Pentachlorobenzene	15.145	250	11539	4.055	ng/ul	97	
77) Carbazole	18.019	167	40966	3.637	ng/ul	98	
78) Di-n-butylphthalate	18.518	149	45959	3.585	ng/ul	100	
80) Fluoranthene	19.640	202	56717	3.328	ng/ul#	89	
82) Pyrene	20.010	202	65432	3.612	ng/ul#	94	
83) Butylbenzylphthalate	20.862	149	20608	3.369	ng/ul#	96	
84) 3,3'-Dichlorobenzidine	21.802	252	20824m	3.477	ng/ul		
85) Benzo(a)anthracene	21.885	228	64410	3.534	ng/ul	94	
86) Bis(2-ethylhexyl)phtha...	21.714	149	31261	3.543	ng/ul	93	
87) Chrysene	21.955	228	62907	3.663	ng/ul	99	
89) Di-n-octyl phthalate	23.001	149	52430	3.281	ng/ul	100	
90) Benzo(b)fluoranthene	24.252	252	65572	3.575	ng/ul#	92	
91) Benzo(k)fluoranthene	24.323	252	68781	3.658	ng/ul#	91	
93) Benzo(a)pyrene	25.216	252	68534	3.897	ng/ul#	94	
94) Indeno(1,2,3-cd)pyrene	29.388	276	70309m	3.555	ng/ul		
95) Dibenzo(a,h)anthracene	29.470	278	59037m	3.612	ng/ul		
96) Benzo(g,h,i)perylene	30.663	276	56021m	3.488	ng/ul		

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

