

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031224\
 Data File : BG060615.D
 Acq On : 12 Mar 2024 10:56
 Operator : MA/JU
 Sample : P1601-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT1-2024-02

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

Quant Time: Mar 13 01:10:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG030824.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 08 15:23:41 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.323	152	91971	20.000	ng/u1	0.00
20) Naphthalene-d8	11.173	136	418767	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.950	164	284666	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.700	188	628833	20.000	ng/u1	0.00
79) Chrysene-d12	22.019	240	573089	20.000	ng/u1	0.00
88) Perylene-d12	25.585	264	633339	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.611	96	10846	4.452	ng/uL	0.00
4) Pyridine-d5	4.046	84	152832	20.049	ng/u1	0.00
7) Phenol-d5	7.430	99	195590	20.638	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.641	67	126801	20.638	ng/u1	0.00
11) 2-Chlorophenol-d4	7.835	132	144530	21.812	ng/u1	0.00
15) 4-Methylphenol-d8	9.004	113	149374	20.298	ng/u1	0.00
21) Nitrobenzene-d5	9.522	128	67371	25.230	ng/u1	0.00
24) 2-Nitrophenol-d4	10.238	143	60741	23.075	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.761	165	143111	21.118	ng/u1	0.00
31) 4-Chloroaniline-d4	11.308	131	218534	20.746	ng/u1	0.00
46) Dimethylphthalate-d6	14.345	166	482900	21.398	ng/u1	0.00
49) Acenaphthylene-d8	14.651	160	576150	21.803	ng/u1	0.00
54) 4-Nitrophenol-d4	15.115	143	68494	20.137	ng/u1	0.00
60) Fluorene-d10	15.938	176	427577	21.560	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	16.037	200	42883	16.801	ng/u1	0.00
73) Anthracene-d10	17.800	188	628948	20.352	ng/u1	0.00
81) Pyrene-d10	20.068	212	755370	21.877	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.332	264	723625	22.081	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.646	88	2971m	1.150	ng/uL	
5) Pyridine	4.069	79	28631	3.703	ng/u1#	84
6) Benzaldehyde	7.465	77	28184	6.275	ng/u1	91
8) Phenol	7.459	94	44269	4.616	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.735	93	34994	4.595	ng/u1	95
12) 2-Chlorophenol	7.865	128	32858	4.736	ng/u1	91
13) 2-Methylphenol	8.734	108	32567	4.359	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.828	45	71444	4.639	ng/u1	99
16) Acetophenone	9.163	105	60545	4.822	ng/u1	98
17) N-Nitroso-di-n-propyla...	9.128	70	29849	4.848	ng/u1#	96
18) 4-Methylphenol	9.069	108	36314	4.463	ng/u1	92
19) Hexachloroethane	9.416	117	13657	5.025	ng/u1	81
22) Nitrobenzene	9.563	77	41804	5.604	ng/u1	98
23) Isophorone	10.074	82	85098	4.801	ng/u1	98
25) 2-Nitrophenol	10.274	139	16069	5.301	ng/u1#	94
26) 2,4-Dimethylphenol	10.291	107	27111	3.293	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.556	93	52812	5.124	ng/u1	98
29) 2,4-Dichlorophenol	10.791	162	33640	4.970	ng/u1#	94
30) Naphthalene	11.220	128	124921	5.046	ng/u1	99
32) 4-Chloroaniline	11.331	127	48882	4.755	ng/u1	98
33) Hexachlorobutadiene	11.455	225	24917	4.975	ng/u1	87
34) Caprolactam	12.107	113	13297m	5.737	ng/u1	
35) 4-Chloro-3-methylphenol	12.395	107	39172	4.822	ng/u1	98
36) 2-Methylnaphthalene	12.800	142	82277	5.058	ng/u1	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 1-Methylnaphthalene	13.017	142	83731	5.139	ng/ul	98	03/13/2024
39) 1,2,4,5-Tetrachloroben...	13.141	216	46299	4.941	ng/ul	97	Supervised By :mohammad ahmed
40) Hexachlorocyclopentadiene	13.100	237	24806	4.347	ng/ul	95	
41) 2,4,6-Trichlorophenol	13.376	196	25883	4.437	ng/ul	99	
42) 2,4,5-Trichlorophenol	13.446	196	29269	4.704	ng/ul	98	
43) 1,1'-Biphenyl	13.787	154	113522	4.967	ng/ul	94	
44) 2-Chloronaphthalene	13.840	162	87617	4.830	ng/ul	93	03/14/2024
45) 2-Nitroaniline	14.046	65	23984	4.840	ng/ul	90	
47) Dimethylphthalate	14.392	163	115616	5.033	ng/ul	97	
48) 2,6-Dinitrotoluene	14.533	165	15439	4.678	ng/ul#	89	
50) Acenaphthylene	14.680	152	151281	5.009	ng/ul	98	
51) 3-Nitroaniline	14.874	138	17800	4.577	ng/ul#	85	
52) Acenaphthene	15.009	153	100956	5.035	ng/ul	94	
53) 2,4-Dinitrophenol	15.062	184	7973m	4.750	ng/ul		
55) 4-Nitrophenol	15.127	109	17546	5.341	ng/ul	95	
56) Dibenzofuran	15.344	168	133382	4.956	ng/ul	95	
57) 2,4-Dinitrotoluene	15.303	165	21974	4.900	ng/ul#	95	
58) 2,3,4,6-Tetrachlorophenol	15.550	232	23577	4.448	ng/ul#	97	
59) Diethylphthalate	15.738	149	117442	5.013	ng/ul	97	
61) Fluorene	15.996	166	115074	5.162	ng/ul#	97	
62) 4-Chlorophenyl-phenyle...	15.979	204	56672	5.076	ng/ul	87	
63) 4-Nitroaniline	16.026	138	18525	4.782	ng/ul#	82	
66) 4,6-Dinitro-2-methylph...	16.049	198	14394	5.107	ng/ul	96	
67) N-Nitrosodiphenylamine	16.196	169	96979	4.827	ng/ul	90	
68) 4-Bromophenyl-phenylether	16.878	248	33746	4.668	ng/ul	98	
69) Hexachlorobenzene	16.966	284	41942	4.853	ng/ul	99	
70) Atrazine	17.124	200	39847	5.854	ng/ul	94	
71) Pentachlorophenol	17.318	266	22744m	4.776	ng/ul		
72) Phenanthrene	17.741	178	182102	5.046	ng/ul	97	
74) Anthracene	17.829	178	173557	4.723	ng/ul	99	
75) 1,2,3,4-Tetrachloroben...	13.746	216	44815	4.771	ng/ul	93	
76) Pentachlorobenzene	15.238	250	48645	5.030	ng/ul	95	
77) Carbazole	18.106	167	156098	4.953	ng/ul	99	
78) Di-n-butylphthalate	18.617	149	181625	4.718	ng/ul	99	
80) Fluoranthene	19.733	202	202615	4.945	ng/ul	97	
82) Pyrene	20.097	202	215675	5.026	ng/ul	99	
83) Butylbenzylphthalate	20.961	149	70998	4.498	ng/ul	98	
84) 3,3'-Dichlorobenzidine	21.913	252	72268	5.514	ng/ul	90	
85) Benzo(a)anthracene	21.995	228	208104	4.890	ng/ul	98	
86) Bis(2-ethylhexyl)phtha...	21.842	149	105631	4.504	ng/ul	95	
87) Chrysene	22.072	228	198663	4.903	ng/ul	98	
89) Di-n-octyl phthalate	23.176	149	170590	4.332	ng/ul	100	
90) Benzo(b)fluoranthene	24.428	252	186503	4.845	ng/ul	97	
91) Benzo(k)fluoranthene	24.504	252	199253	4.958	ng/ul	98	
93) Benzo(a)pyrene	25.409	252	179640	4.811	ng/ul	99	
94) Indeno(1,2,3-cd)pyrene	29.698	276	220302m	4.776	ng/ul		
95) Dibenzo(a,h)anthracene	29.780	278	180575m	4.791	ng/ul		
96) Benzo(g,h,i)perylene	30.996	276	172813m	4.667	ng/ul		

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

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