

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101323\
 Data File : BG059444.D
 Acq On : 13 Oct 2023 15:47
 Operator : MA/JU
 Sample : 02215-05
 Misc : SFAM-MDL-ME-SOIL-01
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Oct 14 01:01:34 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 10/16/2023
 Supervised By :mohammad ahmed 10/17/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	31021	20.000	ng/ul	0.00
20) Naphthalene-d8	11.056	136	135407	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.857	164	90425	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.607	188	211337	20.000	ng/ul	0.00
79) Chrysene-d12	21.908	240	231529	20.000	ng/ul	0.00
88) Perylene-d12	25.386	264	274735	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.512	96	5794m	5.857	ng/uL	0.00
4) Pyridine-d5	3.947	84	61992	22.897	ng/ul	0.00
7) Phenol-d5	7.343	99	73560	21.658	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.536	67	44336	22.904	ng/ul	0.00
11) 2-Chlorophenol-d4	7.730	132	54514	22.556	ng/ul	0.00
15) 4-Methylphenol-d8	8.905	113	53098	20.503	ng/ul	0.00
21) Nitrobenzene-d5	9.417	128	27223	24.344	ng/ul	0.00
24) 2-Nitrophenol-d4	10.133	143	27976	25.628	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.656	165	50590	22.302	ng/ul	0.00
31) 4-Chloroaniline-d4	11.203	131	78755	21.876	ng/ul	0.00
46) Dimethylphthalate-d6	14.246	166	175900	22.960	ng/ul	0.00
49) Acenaphthylene-d8	14.558	160	204192	22.104	ng/ul	0.00
54) 4-Nitrophenol-d4	15.045	143	25445	19.228	ng/ul	0.00
60) Fluorene-d10	15.844	176	161542	22.401	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.956	200	26085	20.200	ng/ul	0.00
73) Anthracene-d10	17.701	188	256663	23.622	ng/ul	0.00
81) Pyrene-d10	19.981	212	320043	22.758	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.139	264	347652	23.114	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.547	88	2241m	1.821	ng/ul	
5) Pyridine	3.970	79	9673	3.617	ng/ul#	67
6) Benzaldehyde	7.360	77	6999	4.687	ng/ul	94
8) Phenol	7.372	94	12737	3.764	ng/ul#	88
10) Bis(2-Chloroethyl)ether	7.630	93	9908	3.735	ng/ul#	90
12) 2-Chlorophenol	7.760	128	8637	3.481	ng/ul#	77
13) 2-Methylphenol	8.647	108	9394	3.786	ng/ul#	78
14) 2,2'-oxybis(1-Chloropr...	8.717	45	18773m	3.380	ng/ul	
16) Acetophenone	9.058	105	14096	3.626	ng/ul	91
17) N-Nitroso-di-n-propyla...	9.017	70	6434	3.609	ng/ul#	84
18) 4-Methylphenol	8.982	108	8315	3.092	ng/ul#	66
19) Hexachloroethane	9.305	117	3582	3.750	ng/ul#	69
22) Nitrobenzene	9.464	77	8605	3.449	ng/ul#	86
23) Isophorone	9.963	82	19916	3.758	ng/ul#	93
25) 2-Nitrophenol	10.163	139	5186m	4.343	ng/ul	
26) 2,4-Dimethylphenol	10.192	107	7931	3.173	ng/ul	89
27) Bis(2-Chloroethoxy)met...	10.451	93	13711	4.050	ng/ul#	94
29) 2,4-Dichlorophenol	10.692	162	7796	3.566	ng/ul	99
30) Naphthalene	11.109	128	32146	3.944	ng/ul#	94
32) 4-Chloroaniline	11.226	127	12615	3.732	ng/ul#	79
33) Hexachlorobutadiene	11.344	225	5149	3.561	ng/ul	95
34) Caprolactam	12.008	113	3254	4.214	ng/ul#	87
35) 4-Chloro-3-methylphenol	12.313	107	7946	3.558	ng/ul#	93
36) 2-Methylnaphthalene	12.701	142	19116	3.635	ng/ul	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.913	142	19189	3.584	ng/ul#	90
39) 1,2,4,5-Tetrachloroben...	13.048	216	10475	3.587	ng/ul#	83
40) Hexachlorocyclopentadiene	12.989	237	9744	5.769	ng/ul#	79
41) 2,4,6-Trichlorophenol	13.283	196	5591	3.115	ng/ul#	77
42) 2,4,5-Trichlorophenol	13.359	196	6671	3.377	ng/ul#	77
43) 1,1'-Biphenyl	13.688	154	29022	3.588	ng/ul	97
44) 2-Chloronaphthalene	13.741	162	21594	3.490	ng/ul	92
45) 2-Nitroaniline	13.964	65	5276	3.209	ng/ul#	60
47) Dimethylphthalate	14.293	163	29775	3.878	ng/ul	96
48) 2,6-Dinitrotoluene	14.446	165	4813	3.404	ng/ul#	72
50) Acenaphthylene	14.581	152	34503	3.534	ng/ul	96
51) 3-Nitroaniline	14.781	138	5369	3.582	ng/ul#	68
52) Acenaphthene	14.922	153	24509	3.669	ng/ul#	93
53) 2,4-Dinitrophenol	14.987	184	4550	6.081	ng/ul#	71
55) 4-Nitrophenol	15.057	109	3606	3.874	ng/ul	90
56) Dibenzofuran	15.251	168	33203	3.676	ng/ul#	87
57) 2,4-Dinitrotoluene	15.222	165	7416	3.728	ng/ul#	94
58) 2,3,4,6-Tetrachlorophenol	15.462	232	6626	3.754	ng/ul#	88
59) Diethylphthalate	15.639	149	28389	3.826	ng/ul#	86
61) Fluorene	15.903	166	27309	3.604	ng/ul	83
62) 4-Chlorophenyl-phenyle...	15.886	204	14138	3.716	ng/ul#	85
63) 4-Nitroaniline	15.950	138	5345	3.683	ng/ul#	45
66) 4,6-Dinitro-2-methylph...	15.968	198	4361	3.158	ng/ul#	93
67) N-Nitrosodiphenylamine	16.103	169	22826	3.695	ng/ul#	92
68) 4-Bromophenyl-phenylether	16.779	248	7943	3.428	ng/ul	93
69) Hexachlorobenzene	16.873	284	9866	3.715	ng/ul#	89
70) Atrazine	17.031	200	10223	4.193	ng/ul#	84
71) Pentachlorophenol	17.231	266	7240	4.810	ng/ul#	76
72) Phenanthrene	17.648	178	50139	3.815	ng/ul	96
74) Anthracene	17.736	178	50633	3.738	ng/ul	97
75) 1,2,3,4-Tetrachloroben...	13.647	216	9654	3.172	ng/ul	89
76) Pentachlorobenzene	15.151	250	11504	3.907	ng/ul	86
77) Carbazole	18.018	167	40581	3.481	ng/ul	96
78) Di-n-butylphthalate	18.518	149	50135	3.779	ng/ul	99
80) Fluoranthene	19.640	202	61303	3.589	ng/ul#	95
82) Pyrene	20.010	202	65008	3.581	ng/ul	98
83) Butylbenzylphthalate	20.862	149	21782	3.553	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.802	252	19146	3.190	ng/ul	95
85) Benzo(a)anthracene	21.884	228	70207	3.843	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.714	149	32233	3.646	ng/ul	97
87) Chrysene	21.955	228	67324m	3.912	ng/ul	
89) Di-n-octyl phthalate	23.001	149	53849	3.312	ng/ul	100
90) Benzo(b)fluoranthene	24.252	252	66584	3.568	ng/ul	97
91) Benzo(k)fluoranthene	24.334	252	69578	3.637	ng/ul	93
93) Benzo(a)pyrene	25.216	252	66703	3.728	ng/ul	93
94) Indeno(1,2,3-cd)pyrene	29.381	276	68755m	3.417	ng/ul	
95) Dibenzo(a,h)anthracene	29.446	278	59270m	3.564	ng/ul	
96) Benzo(g,h,i)perylene	30.662	276	56866m	3.480	ng/ul	

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

