

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101623\
 Data File : BG059457.D
 Acq On : 16 Oct 2023 15:05
 Operator : MA/JU
 Sample : 03573-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-SOIL-QT3-2023-05

Quant Time: Oct 17 03:45:25 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	8.220	152	29012	20.000	ng/ul	0.00
20) Naphthalene-d8	11.058	136	169058	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.853	164	85848	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.603	188	202226	20.000	ng/ul	0.00
79) Chrysene-d12	21.910	240	229033	20.000	ng/ul	0.00
88) Perylene-d12	25.394	264	255701	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.508	96	4762	5.147	ng/uL	0.00
4) Pyridine-d5	3.943	84	97800	38.625	ng/ul	0.00
7) Phenol-d5	7.345	99	78314	24.654	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.539	67	46702	25.797	ng/ul	0.00
11) 2-Chlorophenol-d4	7.732	132	55585	24.592	ng/ul	0.00
15) 4-Methylphenol-d8	8.913	113	55697	22.996	ng/ul	0.00
21) Nitrobenzene-d5	9.413	128	29501	21.130	ng/ul	0.00
24) 2-Nitrophenol-d4	10.135	143	29847	21.900	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.664	165	74221	26.206	ng/ul	0.00
31) 4-Chloroaniline-d4	11.205	131	95935	21.344	ng/ul	0.00
46) Dimethylphthalate-d6	14.248	166	184828	25.411	ng/ul	0.00
49) Acenaphthylene-d8	14.560	160	222315	25.349	ng/ul	0.00
54) 4-Nitrophenol-d4	15.041	143	29631	23.585	ng/ul	0.00
60) Fluorene-d10	15.841	176	172085	25.135	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.952	200	31572	25.551	ng/ul	0.00
73) Anthracene-d10	17.703	188	269590	25.930	ng/ul	0.00
81) Pyrene-d10	19.983	212	339678	24.418	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.147	264	367891	26.280	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.555	88	1242	1.079	ng/uL#	74
5) Pyridine	3.966	79	14675	5.868	ng/ul#	65
6) Benzaldehyde	7.362	77	6912m	4.949	ng/ul	
8) Phenol	7.368	94	12506	3.951	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.633	93	9729	3.922	ng/ul#	80
12) 2-Chlorophenol	7.762	128	9168	3.951	ng/ul#	87
13) 2-Methylphenol	8.643	108	8089	3.486	ng/ul	95
14) 2,2'-oxybis(1-Chloropr...	8.731	45	21000	4.043	ng/ul#	94
16) Acetophenone	9.060	105	13185	3.627	ng/ul	94
17) N-Nitroso-di-n-propyla...	9.019	70	6631	3.977	ng/ul#	90
18) 4-Methylphenol	8.972	108	9666m	3.843	ng/ul	
19) Hexachloroethane	9.307	117	3589	4.017	ng/ul#	63
22) Nitrobenzene	9.460	77	10562	3.391	ng/ul#	83
23) Isophorone	9.959	82	22434	3.391	ng/ul#	89
25) 2-Nitrophenol	10.165	139	4482	3.007	ng/ul#	74
26) 2,4-Dimethylphenol	10.194	107	9117	2.921	ng/ul	88
27) Bis(2-Chloroethoxy)met...	10.447	93	20251	4.792	ng/ul	96
29) 2,4-Dichlorophenol	10.694	162	12078	4.425	ng/ul	93
30) Naphthalene	11.111	128	42363	4.163	ng/ul#	95
32) 4-Chloroaniline	11.234	127	13533	3.207	ng/ul#	76
33) Hexachlorobutadiene	11.340	225	6762	3.745	ng/ul#	88
34) Caprolactam	12.010	113	3023	3.136	ng/ul#	72
35) 4-Chloro-3-methylphenol	12.309	107	7944	2.849	ng/ul#	95
36) 2-Methylnaphthalene	12.697	142	21026	3.203	ng/ul	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.915	142	23152	3.463	ng/ul#	90
39) 1,2,4,5-Tetrachloroben...	13.044	216	11403	4.113	ng/ul	95
40) Hexachlorocyclopentadiene	12.991	237	8821	5.501	ng/ul#	72
41) 2,4,6-Trichlorophenol	13.285	196	6438	3.778	ng/ul#	86
42) 2,4,5-Trichlorophenol	13.361	196	7065	3.767	ng/ul	92
43) 1,1'-Biphenyl	13.690	154	30350	3.953	ng/ul	90
44) 2-Chloronaphthalene	13.749	162	23010	3.917	ng/ul#	90
45) 2-Nitroaniline	13.966	65	6330m	4.056	ng/ul	
47) Dimethylphthalate	14.295	163	29922	4.105	ng/ul#	94
48) 2,6-Dinitrotoluene	14.448	165	5049	3.761	ng/ul#	91
50) Acenaphthylene	14.589	152	37802	4.079	ng/ul#	94
51) 3-Nitroaniline	14.777	138	4896	3.441	ng/ul#	81
52) Acenaphthene	14.918	153	24634	3.884	ng/ul	93
53) 2,4-Dinitrophenol	14.977	184	5631	7.927	ng/ul#	73
55) 4-Nitrophenol	15.059	109	2930	3.316	ng/ul#	39
56) Dibenzofuran	15.247	168	35309	4.117	ng/ul	96
57) 2,4-Dinitrotoluene	15.218	165	8037	4.256	ng/ul#	77
58) 2,3,4,6-Tetrachlorophenol	15.465	232	5757	3.436	ng/ul#	93
59) Diethylphthalate	15.641	149	29946	4.251	ng/ul#	89
61) Fluorene	15.899	166	30552	4.246	ng/ul#	96
62) 4-Chlorophenyl-phenyle...	15.888	204	14552	4.029	ng/ul	100
63) 4-Nitroaniline	15.940	138	5747	4.172	ng/ul	88
66) 4,6-Dinitro-2-methylph...	15.970	198	4685	3.546	ng/ul#	53
67) N-Nitrosodiphenylamine	16.099	169	22845	3.865	ng/ul	96
68) 4-Bromophenyl-phenylether	16.781	248	8645	3.900	ng/ul	96
69) Hexachlorobenzene	16.875	284	10856	4.272	ng/ul#	81
70) Atrazine	17.033	200	11194	4.798	ng/ul	91
71) Pentachlorophenol	17.233	266	8297	5.760	ng/ul	96
72) Phenanthrene	17.650	178	53002	4.215	ng/ul	96
74) Anthracene	17.738	178	54048	4.170	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.649	216	11071	3.801	ng/ul	94
76) Pentachlorobenzene	15.147	250	13158	4.670	ng/ul#	84
77) Carbazole	18.020	167	43913	3.937	ng/ul	98
78) Di-n-butylphthalate	18.520	149	52281	4.118	ng/ul	96
80) Fluoranthene	19.642	202	65242	3.861	ng/ul	97
82) Pyrene	20.012	202	71101	3.959	ng/ul#	95
83) Butylbenzylphthalate	20.864	149	22941	3.783	ng/ul	86
84) 3,3'-Dichlorobenzidine	21.804	252	29291	4.933	ng/ul	94
85) Benzo(a)anthracene	21.886	228	72705	4.024	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.716	149	35213	4.026	ng/ul	98
87) Chrysene	21.957	228	71401	4.194	ng/ul	94
89) Di-n-octyl phthalate	23.009	149	57390	3.793	ng/ul	100
90) Benzo(b)fluoranthene	24.254	252	74006	4.261	ng/ul	96
91) Benzo(k)fluoranthene	24.331	252	74044	4.159	ng/ul	96
93) Benzo(a)pyrene	25.224	252	71826	4.313	ng/ul#	95
94) Indeno(1,2,3-cd)pyrene	29.389	276	78366m	4.184	ng/ul	
95) Dibenzo(a,h)anthracene	29.466	278	62870m	4.062	ng/ul	
96) Benzo(g,h,i)perylene	30.670	276	61403m	4.038	ng/ul	

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

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