

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112124\
 Data File : BG063507.D
 Acq On : 21 Nov 2024 15:59
 Operator : RC/JU
 Sample : P4776-05
 Misc : MDL-ME-SOIL-QT4-2024
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT4-2024-07

Quant Time: Nov 21 16:44:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 20 14:52:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.826	152	97186	20.000	ng/u1	0.00
20) Naphthalene-d8	10.622	136	393677	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.471	164	303956	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.226	188	758702	20.000	ng/u1	0.00
79) Chrysene-d12	21.486	240	864905	20.000	ng/u1	0.00
88) Perylene-d12	24.535	264	923978	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.296	96	7548	3.065	ng/uL	0.00
4) Pyridine-d5	3.701	84	81395	10.546	ng/u1	0.00
7) Phenol-d5	7.003	99	103593	12.960	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.156	67	66259	12.925	ng/u1	0.00
11) 2-Chlorophenol-d4	7.361	132	74047	13.072	ng/u1	0.00
15) 4-Methylphenol-d8	8.542	113	84172	12.602	ng/u1	0.00
21) Nitrobenzene-d5	8.983	128	36445	12.891	ng/u1	0.00
24) 2-Nitrophenol-d4	9.706	143	41562	11.900	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.246	165	83292	12.495	ng/u1	0.00
31) 4-Chloroaniline-d4	10.763	131	111618	13.238	ng/u1	0.00
46) Dimethylphthalate-d6	13.877	166	287226	13.920	ng/u1	0.00
49) Acenaphthylene-d8	14.165	160	326412	13.872	ng/u1	0.00
54) 4-Nitrophenol-d4	14.694	143	33389	10.890	ng/u1	0.00
60) Fluorene-d10	15.470	176	266183	14.197	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.599	200	47583	11.155	ng/u1	0.00
73) Anthracene-d10	17.326	188	459528	13.941	ng/u1	0.00
81) Pyrene-d10	19.629	212	595103	13.726	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.318	264	608197	13.571	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.331	88	3145	1.082	ng/uL#	88
5) Pyridine	3.719	79	29011	3.694	ng/u1#	67
6) Benzaldehyde	6.968	77	22145	4.840	ng/u1	99
8) Phenol	7.032	94	37318	4.282	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.250	93	28233	4.488	ng/u1#	84
12) 2-Chlorophenol	7.397	128	25564	4.228	ng/u1#	85
13) 2-Methylphenol	8.278	108	25383	3.914	ng/u1	85
14) 2,2'-oxybis(1-Chloropr...	8.348	45	37669	4.087	ng/u1	97
16) Acetophenone	8.648	105	41676	3.950	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.631	70	24111	4.089	ng/u1	97
18) 4-Methylphenol	8.607	108	29362	4.128	ng/u1	93
19) Hexachloroethane	8.901	117	11651	4.462	ng/u1#	76
22) Nitrobenzene	9.030	77	39295	4.531	ng/u1#	87
23) Isophorone	9.541	82	67117	4.238	ng/u1	99
25) 2-Nitrophenol	9.735	139	14883	4.295	ng/u1	97
26) 2,4-Dimethylphenol	9.806	107	31039	4.156	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.035	93	38493	4.391	ng/u1	96
29) 2,4-Dichlorophenol	10.276	162	27476	4.219	ng/u1	88
30) Naphthalene	10.669	128	93293	4.636	ng/u1#	95
32) 4-Chloroaniline	10.787	127	33399	4.145	ng/u1#	88
33) Hexachlorobutadiene	10.963	225	24746	4.260	ng/u1#	81
34) Caprolactam	11.539	113	10587m	4.823	ng/u1	
35) 4-Chloro-3-methylphenol	11.921	107	27130	4.093	ng/u1#	91
36) 2-Methylnaphthalene	12.291	142	65809	4.607	ng/u1	82

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.508	142	64916	4.328	ng/ul	93
39) 1,2,4,5-Tetrachloroben...	12.661	216	46603	4.363	ng/ul#	90
40) Hexachlorocyclopentadiene	12.638	237	22814	5.008	ng/ul	93
41) 2,4,6-Trichlorophenol	12.908	196	23976	4.091	ng/ul#	81
42) 2,4,5-Trichlorophenol	12.984	196	24876m	4.113	ng/ul	
43) 1,1'-Biphenyl	13.302	154	90831	4.503	ng/ul	95
44) 2-Chloronaphthalene	13.343	162	74190	4.681	ng/ul	95
45) 2-Nitroaniline	13.554	65	19665	3.936	ng/ul	97
47) Dimethylphthalate	13.924	163	93592	4.655	ng/ul	99
48) 2,6-Dinitrotoluene	14.048	165	16693	4.093	ng/ul#	73
50) Acenaphthylene	14.195	152	111771	4.725	ng/ul	98
51) 3-Nitroaniline	14.383	138	15830m	4.238	ng/ul	
52) Acenaphthene	14.535	153	73777	4.318	ng/ul#	86
53) 2,4-Dinitrophenol	14.612	184	7560	3.610	ng/ul	95
55) 4-Nitrophenol	14.712	109	12763m	3.582	ng/ul	
56) Dibenzofuran	14.870	168	113088	4.613	ng/ul	98
57) 2,4-Dinitrotoluene	14.841	165	27127	4.346	ng/ul	90
58) 2,3,4,6-Tetrachlorophenol	15.105	232	21267	3.700	ng/ul#	93
59) Diethylphthalate	15.299	149	92437	4.552	ng/ul	98
61) Fluorene	15.522	166	97660	4.680	ng/ul	95
62) 4-Chlorophenyl-phenyle...	15.517	204	57340	4.605	ng/ul	94
63) 4-Nitroaniline	15.546	138	16531	4.323	ng/ul	86
66) 4,6-Dinitro-2-methylph...	15.616	198	18322	4.020	ng/ul#	98
67) N-Nitrosodiphenylamine	15.734	169	79106	4.392	ng/ul	94
68) 4-Bromophenyl-phenylether	16.416	248	37162	4.371	ng/ul	85
69) Hexachlorobenzene	16.539	284	40779	4.575	ng/ul	99
70) Atrazine	16.686	200	40287	4.629	ng/ul	97
71) Pentachlorophenol	16.891	266	19505m	4.680	ng/ul	
72) Phenanthrene	17.267	178	169401	4.684	ng/ul	96
74) Anthracene	17.361	178	173756m	4.705	ng/ul	
75) 1,2,3,4-Tetrachloroben...	13.272	216	43506	3.941	ng/ul	94
76) Pentachlorobenzene	14.800	250	43274	3.970	ng/ul	92
77) Carbazole	17.638	167	142441	4.648	ng/ul	97
78) Di-n-butylphthalate	18.196	149	157607	4.487	ng/ul	98
80) Fluoranthene	19.294	202	224111	4.675	ng/ul#	97
82) Pyrene	19.653	202	240451	4.681	ng/ul#	97
83) Butylbenzylphthalate	20.552	149	71720	4.302	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.386	252	89383	4.811	ng/ul	90
85) Benzo(a)anthracene	21.468	228	267881	4.790	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.386	149	107898	4.453	ng/ul	94
87) Chrysene	21.533	228	234702	4.488	ng/ul	99
89) Di-n-octyl phthalate	22.526	149	179789	4.385	ng/ul	100
90) Benzo(b)fluoranthene	23.566	252	256276	4.620	ng/ul	95
91) Benzo(k)fluoranthene	23.631	252	259982	4.670	ng/ul	99
93) Benzo(a)pyrene	24.389	252	227216	4.376	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.967	276	282374	4.385	ng/ul#	94
95) Dibenzo(a,h)anthracene	28.025	278	241288m	4.583	ng/ul	
96) Benzo(g,h,i)perylene	29.042	276	213199	4.366	ng/ul	95

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

