

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032125\
 Data File : BG064124.D
 Acq On : 21 Mar 2025 10:39
 Operator : RC/JU
 Sample : Q1546-06
 Misc : MDL-MED-SOIL 4 ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MDL-MED-SOIL-QT1-2025-02

Quant Time: Mar 21 12:54:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG031425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 14 14:37:18 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 03/24/2025
 Supervised By :Jagrut Upadhyay 03/24/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	27934	20.000	ng/ul	# 0.00
20) Naphthalene-d8	10.646	136	129720	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.483	164	99932	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.221	188	234640	20.000	ng/ul	0.00
79) Chrysene-d12	21.457	240	229968	20.000	ng/ul	0.00
88) Perylene-d12	24.471	264	236227	20.000	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.331	96	2708m	3.881	ng/uL	0.00
4) Pyridine-d5	3.737	84	49934	24.911	ng/ul	0.00
7) Phenol-d5	7.021	99	64346	25.458	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.191	67	41414	26.002	ng/ul	0.00
11) 2-Chlorophenol-d4	7.391	132	51882	25.722	ng/ul	0.00
15) 4-Methylphenol-d8	8.560	113	52111	24.305	ng/ul	0.00
21) Nitrobenzene-d5	9.007	128	25992	26.715	ng/ul	0.00
24) 2-Nitrophenol-d4	9.730	143	26446	25.882	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.264	165	52934	25.691	ng/ul	0.00
31) 4-Chloroaniline-d4	10.775	131	77722	26.903	ng/ul	0.00
46) Dimethylphthalate-d6	13.895	166	206767	26.363	ng/ul	0.00
49) Acenaphthylene-d8	14.177	160	232116	26.614	ng/ul	0.00
54) 4-Nitrophenol-d4	14.665	143	30971	23.503	ng/ul	0.00
60) Fluorene-d10	15.476	176	188578	27.894	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.588	200	25978	20.530	ng/ul	0.00
73) Anthracene-d10	17.321	188	300315	25.523	ng/ul	0.00
81) Pyrene-d10	19.606	212	350426	27.620	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.266	264	357053	29.001	ng/ul	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.378	88	1261m	1.596	ng/uL	
5) Pyridine	3.754	79	9685	4.660	ng/ul#	71
6) Benzaldehyde	7.003	77	7367	4.958	ng/ul	92
8) Phenol	7.050	94	12467	4.729	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.285	93	9512	4.773	ng/ul#	85
12) 2-Chlorophenol	7.421	128	9477	4.637	ng/ul	98
13) 2-Methylphenol	8.296	108	9424	4.609	ng/ul	89
14) 2,2'-oxybis(1-Chloropr...	8.378	45	21727	4.653	ng/ul	98
16) Acetophenone	8.672	105	16651	4.771	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.666	70	8629	4.641	ng/ul#	92
18) 4-Methylphenol	8.619	108	10450	4.610	ng/ul	85
19) Hexachloroethane	8.936	117	4286	4.807	ng/ul	93
22) Nitrobenzene	9.048	77	12219	4.657	ng/ul#	94
23) Isophorone	9.571	82	24677	4.868	ng/ul	98
25) 2-Nitrophenol	9.765	139	5286	4.857	ng/ul#	84
26) 2,4-Dimethylphenol	9.824	107	6038	2.455	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.065	93	13348	4.671	ng/ul#	95
29) 2,4-Dichlorophenol	10.294	162	9275	4.629	ng/ul	95
30) Naphthalene	10.699	128	35689	5.058	ng/ul	97
32) 4-Chloroaniline	10.799	127	14022	5.025	ng/ul	99
33) Hexachlorobutadiene	10.993	225	8031	5.236	ng/ul	89
34) Caprolactam	11.563	113	3821m	4.951	ng/ul	
35) 4-Chloro-3-methylphenol	11.921	107	10856	4.311	ng/ul	92
36) 2-Methylnaphthalene	12.309	142	25466	4.996	ng/ul	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.526	142	24284	4.689	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.679	216	14366	4.763	ng/ul#	88
40) Hexachlorocyclopentadiene	12.662	237	6784	4.038	ng/ul#	82
41) 2,4,6-Trichlorophenol	12.920	196	7846	4.116	ng/ul#	77
42) 2,4,5-Trichlorophenol	12.985	196	8237	3.989	ng/ul	96
43) 1,1'-Biphenyl	13.314	154	35649	4.657	ng/ul	93
44) 2-Chloronaphthalene	13.361	162	26500	4.599	ng/ul	97
45) 2-Nitroaniline	13.555	65	8077	4.124	ng/ul#	78
47) Dimethylphthalate	13.942	163	35116	4.738	ng/ul	99
48) 2,6-Dinitrotoluene	14.054	165	6080	4.372	ng/ul	96
50) Acenaphthylene	14.207	152	42192	4.710	ng/ul	96
51) 3-Nitroaniline	14.377	138	5862	4.175	ng/ul#	94
52) Acenaphthene	14.553	153	32594	4.942	ng/ul	98
53) 2,4-Dinitrophenol	14.583	184	2848	4.042	ng/ul#	83
55) 4-Nitrophenol	14.683	109	6701	4.483	ng/ul#	78
56) Dibenzofuran	14.882	168	44681	4.847	ng/ul	95
57) 2,4-Dinitrotoluene	14.835	165	9739	4.561	ng/ul	94
58) 2,3,4,6-Tetrachlorophenol	15.106	232	8441	4.516	ng/ul#	96
59) Diethylphthalate	15.305	149	39843	4.995	ng/ul#	93
61) Fluorene	15.529	166	38030	5.050	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.529	204	19549	5.233	ng/ul	94
63) 4-Nitroaniline	15.541	138	5341	3.639	ng/ul	86
66) 4,6-Dinitro-2-methylph...	15.599	198	5647	4.170	ng/ul#	80
67) N-Nitrosodiphenylamine	15.740	169	32197	4.688	ng/ul	98
68) 4-Bromophenyl-phenylether	16.422	248	12386	4.820	ng/ul	92
69) Hexachlorobenzene	16.533	284	13914	4.843	ng/ul#	92
70) Atrazine	16.686	200	15158	5.550	ng/ul	94
71) Pentachlorophenol	16.880	266	7348	4.274	ng/ul	90
72) Phenanthrene	17.268	178	65087	4.963	ng/ul	97
74) Anthracene	17.356	178	63922	4.762	ng/ul	95
75) 1,2,3,4-Tetrachloroben...	13.278	216	12576	3.857	ng/ul	94
76) Pentachlorobenzene	14.800	250	14373	4.220	ng/ul	91
77) Carbazole	17.620	167	53324	4.580	ng/ul	97
78) Di-n-butylphthalate	18.196	149	64337	4.322	ng/ul#	94
80) Fluoranthene	19.277	202	71908	4.784	ng/ul	98
82) Pyrene	19.636	202	79288	4.974	ng/ul	97
83) Butylbenzylphthalate	20.541	149	28867	4.548	ng/ul	88
84) 3,3'-Dichlorobenzidine	21.357	252	24579	5.418	ng/ul	92
85) Benzo(a)anthracene	21.434	228	79260	4.974	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.369	149	45311	4.758	ng/ul	93
87) Chrysene	21.498	228	74239	4.901	ng/ul	98
89) Di-n-octyl phthalate	22.515	149	74161	4.792	ng/ul	100
90) Benzo(b)fluoranthene	23.519	252	75648	5.184	ng/ul	94
91) Benzo(k)fluoranthene	23.578	252	74276	4.990	ng/ul	99
93) Benzo(a)pyrene	24.318	252	68198	4.950	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.855	276	81438m	4.722	ng/ul	
95) Dibenzo(a,h)anthracene	27.926	278	67961m	4.947	ng/ul	
96) Benzo(g,h,i)perylene	28.901	276	65769m	4.919	ng/ul	

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

