

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032425\
 Data File : BM049747.D
 Acq On : 24 Mar 2025 12:21
 Operator : RC/JU
 Sample : Q1546-06
 Misc : MDL-MED-SOIL 4 ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 24 14:00:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM032125.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 21 16:26:37 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 03/24/2025
 Supervised By :Jagrut Upadhyay 03/25/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	265309	20.000	ng/u1	0.00
20) Naphthalene-d8	10.598	136	896468	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.439	164	555815	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.186	188	1055920	20.000	ng/u1	0.00
79) Chrysene-d12	21.421	240	892646	20.000	ng/u1	0.00
88) Perylene-d12	24.439	264	877366	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.252	96	26190	3.836	ng/uL	0.00
4) Pyridine-d5	3.663	84	468929	23.497	ng/u1	0.00
7) Phenol-d5	6.975	99	493663	24.770	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.134	67	342196	26.375	ng/u1	0.00
11) 2-Chlorophenol-d4	7.340	132	401967	26.445	ng/u1	0.00
15) 4-Methylphenol-d8	8.510	113	349510	23.824	ng/u1	0.00
21) Nitrobenzene-d5	8.957	128	177607	26.886	ng/u1	0.00
24) 2-Nitrophenol-d4	9.681	143	180367	26.975	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.222	165	377170	24.897	ng/u1	0.00
31) 4-Chloroaniline-d4	10.728	131	480632	25.081	ng/u1	0.00
46) Dimethylphthalate-d6	13.851	166	1040209	26.696	ng/u1	0.00
49) Acenaphthylene-d8	14.133	160	1267873	26.818	ng/u1	0.00
54) 4-Nitrophenol-d4	14.639	143	143098	21.564	ng/u1	0.00
60) Fluorene-d10	15.433	176	946483	26.991	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.545	200	112324	18.633	ng/u1	0.00
73) Anthracene-d10	17.280	188	1340807	25.360	ng/u1	0.00
81) Pyrene-d10	19.574	212	1528019	30.023	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.233	264	1300703	28.000	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.287	88	10153	1.418	ng/uL	95
5) Pyridine	3.687	79	86303	4.312	ng/u1#	81
6) Benzaldehyde	6.940	77	53770	4.881	ng/u1	98
8) Phenol	6.998	94	91407	4.402	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.228	93	77502	4.590	ng/u1	95
12) 2-Chlorophenol	7.369	128	73947	4.602	ng/u1	96
13) 2-Methylphenol	8.245	108	52501	3.634	ng/u1	97
14) 2,2'-oxybis(1-Chloropr...	8.328	45	98138	4.719	ng/u1	99
16) Acetophenone	8.622	105	108178	4.415	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.610	70	50518	4.286	ng/u1	98
18) 4-Methylphenol	8.575	108	62523	3.997	ng/u1	100
19) Hexachloroethane	8.887	117	33551	4.642	ng/u1	95
22) Nitrobenzene	8.998	77	81411	4.720	ng/u1	99
23) Isophorone	9.528	82	123038	4.184	ng/u1	99
25) 2-Nitrophenol	9.710	139	34729	4.531	ng/u1	97
26) 2,4-Dimethylphenol	9.775	107	30101	2.099	ng/u1	89
27) Bis(2-Chloroethoxy)met...	10.010	93	89234	4.629	ng/u1	97
29) 2,4-Dichlorophenol	10.245	162	69909	4.557	ng/u1	95
30) Naphthalene	10.645	128	214043	4.603	ng/u1	99
32) 4-Chloroaniline	10.757	127	81994	4.429	ng/u1	98
33) Hexachlorobutadiene	10.939	225	54869	4.593	ng/u1	98
34) Caprolactam	11.534	113	13544m	3.535	ng/u1	
35) 4-Chloro-3-methylphenol	11.886	107	45622	3.739	ng/u1	99
36) 2-Methylnaphthalene	12.263	142	142274	4.409	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.480	142	132020	4.147	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.633	216	94986	4.457	ng/ul	98
40) Hexachlorocyclopentadiene	12.616	237	46981	3.730	ng/ul	97
41) 2,4,6-Trichlorophenol	12.875	196	41908	3.721	ng/ul	97
42) 2,4,5-Trichlorophenol	12.945	196	46933	3.857	ng/ul	99
43) 1,1'-Biphenyl	13.275	154	191201	4.541	ng/ul	99
44) 2-Chloronaphthalene	13.316	162	157694	4.620	ng/ul	98
45) 2-Nitroaniline	13.516	65	27419	3.763	ng/ul	91
47) Dimethylphthalate	13.898	163	177568	4.594	ng/ul	99
48) 2,6-Dinitrotoluene	14.010	165	24827	3.684	ng/ul	87
50) Acenaphthylene	14.163	152	222467	4.607	ng/ul	98
51) 3-Nitroaniline	14.339	138	21188	3.042	ng/ul#	88
52) Acenaphthene	14.504	153	156967	4.478	ng/ul	98
53) 2,4-Dinitrophenol	14.545	184	13944	3.499	ng/ul	99
55) 4-Nitrophenol	14.651	109	20944	3.975	ng/ul	90
56) Dibenzofuran	14.839	168	227985	4.622	ng/ul	99
57) 2,4-Dinitrotoluene	14.798	165	36721	3.731	ng/ul	100
58) 2,3,4,6-Tetrachlorophenol	15.069	232	34274	3.664	ng/ul	99
59) Diethylphthalate	15.263	149	152712	4.242	ng/ul	99
61) Fluorene	15.492	166	178147	4.285	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.486	204	93889	4.142	ng/ul	98
63) 4-Nitroaniline	15.498	138	20927	3.192	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.563	198	26359	3.877	ng/ul#	95
67) N-Nitrosodiphenylamine	15.698	169	136382	4.295	ng/ul	99
68) 4-Bromophenyl-phenylether	16.380	248	51854	4.256	ng/ul	97
69) Hexachlorobenzene	16.492	284	60650	4.317	ng/ul	99
70) Atrazine	16.645	200	48195	4.132	ng/ul	99
71) Pentachlorophenol	16.839	266	29114	3.406	ng/ul	98
72) Phenanthrene	17.227	178	262234	4.355	ng/ul	100
74) Anthracene	17.315	178	252557	4.181	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.239	216	84598	4.247	ng/ul	97
76) Pentachlorobenzene	14.763	250	77965	4.148	ng/ul	98
77) Carbazole	17.586	167	204477	3.805	ng/ul	99
78) Di-n-butylphthalate	18.157	149	201459	3.631	ng/ul	99
80) Fluoranthene	19.239	202	268989	4.589	ng/ul	99
82) Pyrene	19.604	202	304995	4.801	ng/ul	98
83) Butylbenzylphthalate	20.503	149	67671	3.690	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.327	252	53734	2.978	ng/ul	97
85) Benzo(a)anthracene	21.403	228	270690	4.410	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.339	149	97210	3.369	ng/ul	100
87) Chrysene	21.462	228	256404	4.484	ng/ul	99
89) Di-n-octyl phthalate	22.480	149	131198	2.645	ng/ul	100
90) Benzo(b)fluoranthene	23.486	252	246071	4.317	ng/ul	99
91) Benzo(k)fluoranthene	23.544	252	236236	4.018	ng/ul	100
93) Benzo(a)pyrene	24.291	252	226590	4.290	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.821	276	282007	4.276	ng/ul	98
95) Dibenzo(a,h)anthracene	27.885	278	224700	4.187	ng/ul	98
96) Benzo(g,h,i)perylene	28.874	276	222610	4.397	ng/ul	96

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

