

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032025\
 Data File : BM049728.D
 Acq On : 20 Mar 2025 10:27
 Operator : RC/JU
 Sample : Q1546-03
 Misc : MDL-SOIL 4 ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT1-2025-01

Quant Time: Mar 20 12:39:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM031425.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 14 15:07:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.798	152	284951	20.000	ng/u1	0.00
20) Naphthalene-d8	10.592	136	1078892	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.439	164	791587	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.180	188	1704725	20.000	ng/u1	0.00
79) Chrysene-d12	21.421	240	1619247	20.000	ng/u1	0.00
88) Perylene-d12	24.438	264	1569949	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.246	96	28643	4.141	ng/uL	0.00
4) Pyridine-d5	3.657	84	513373	24.128	ng/u1	0.00
7) Phenol-d5	6.969	99	557926	23.947	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.128	67	383660	26.398	ng/u1	0.00
11) 2-Chlorophenol-d4	7.334	132	449254	25.688	ng/u1	0.00
15) 4-Methylphenol-d8	8.510	113	411934	22.771	ng/u1	0.00
21) Nitrobenzene-d5	8.951	128	211564	25.770	ng/u1	0.00
24) 2-Nitrophenol-d4	9.675	143	222583	25.095	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.216	165	467874	24.371	ng/u1	0.00
31) 4-Chloroaniline-d4	10.727	131	627006	25.545	ng/u1	0.00
46) Dimethylphthalate-d6	13.851	166	1607644	27.551	ng/u1	0.00
49) Acenaphthylene-d8	14.133	160	1819327	26.767	ng/u1	0.00
54) 4-Nitrophenol-d4	14.639	143	242448	24.436	ng/u1	0.00
60) Fluorene-d10	15.433	176	1417410	27.258	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.545	200	202628	18.946	ng/u1	0.00
73) Anthracene-d10	17.280	188	2222874	25.690	ng/u1	0.00
81) Pyrene-d10	19.574	212	2710811	27.382	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.232	264	2350435	27.840	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.281	88	10076m	1.366	ng/uL	
5) Pyridine	3.681	79	94097	4.430	ng/u1#	83
6) Benzaldehyde	6.939	77	61637m	5.007	ng/u1	
8) Phenol	6.992	94	103371	4.324	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.222	93	88594	4.623	ng/u1	96
12) 2-Chlorophenol	7.363	128	79428	4.401	ng/u1	98
13) 2-Methylphenol	8.245	108	62887	3.603	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.322	45	113318	4.746	ng/u1	98
16) Acetophenone	8.616	105	132294	4.494	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.604	70	66739	4.387	ng/u1	99
18) 4-Methylphenol	8.569	108	76920	3.997	ng/u1	94
19) Hexachloroethane	8.881	117	36683	4.679	ng/u1	97
22) Nitrobenzene	8.992	77	100245	4.886	ng/u1	94
23) Isophorone	9.522	82	171803	4.306	ng/u1	99
25) 2-Nitrophenol	9.704	139	43488	4.423	ng/u1	94
26) 2,4-Dimethylphenol	9.775	107	41871	2.316	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.004	93	111524	4.538	ng/u1	98
29) 2,4-Dichlorophenol	10.239	162	84760	4.425	ng/u1	94
30) Naphthalene	10.645	128	256170	4.569	ng/u1	99
32) 4-Chloroaniline	10.751	127	106016	4.557	ng/u1	99
33) Hexachlorobutadiene	10.939	225	63350	4.610	ng/u1	99
34) Caprolactam	11.533	113	24028m	4.419	ng/u1	
35) 4-Chloro-3-methylphenol	11.880	107	65827	3.827	ng/u1	95
36) 2-Methylnaphthalene	12.257	142	184967	4.419	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.474	142	170441	4.127	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.627	216	120442	4.197	ng/ul	99
40) Hexachlorocyclopentadiene	12.616	237	64614	3.750	ng/ul	98
41) 2,4,6-Trichlorophenol	12.868	196	61280	3.666	ng/ul	99
42) 2,4,5-Trichlorophenol	12.939	196	66906	3.726	ng/ul	98
43) 1,1'-Biphenyl	13.274	154	262022	4.461	ng/ul	99
44) 2-Chloronaphthalene	13.310	162	209480	4.505	ng/ul	99
45) 2-Nitroaniline	13.510	65	42381	3.722	ng/ul	93
47) Dimethylphthalate	13.892	163	267241	4.646	ng/ul	99
48) 2,6-Dinitrotoluene	14.010	165	39389	3.636	ng/ul	99
50) Acenaphthylene	14.157	152	313149	4.520	ng/ul	100
51) 3-Nitroaniline	14.339	138	36461	3.538	ng/ul	98
52) Acenaphthene	14.504	153	220143	4.415	ng/ul	98
53) 2,4-Dinitrophenol	14.545	184	24864	3.752	ng/ul	98
55) 4-Nitrophenol	14.651	109	34612	4.564	ng/ul	93
56) Dibenzofuran	14.839	168	322385	4.589	ng/ul	100
57) 2,4-Dinitrotoluene	14.792	165	63529	4.057	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.062	232	53454	3.617	ng/ul	95
59) Diethylphthalate	15.262	149	244781	4.423	ng/ul	99
61) Fluorene	15.486	166	261134	4.285	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.480	204	142602	4.223	ng/ul	97
63) 4-Nitroaniline	15.498	138	34393	3.529	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.557	198	47675	4.019	ng/ul#	85
67) N-Nitrosodiphenylamine	15.692	169	210529	4.070	ng/ul	98
68) 4-Bromophenyl-phenylether	16.374	248	80105	3.930	ng/ul	96
69) Hexachlorobenzene	16.492	284	96067	4.175	ng/ul	99
70) Atrazine	16.645	200	83334	4.185	ng/ul	98
71) Pentachlorophenol	16.833	266	53193	3.584	ng/ul	99
72) Phenanthrene	17.221	178	413547	4.287	ng/ul	99
74) Anthracene	17.315	178	406166	4.211	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.233	216	111649	3.827	ng/uL	98
76) Pentachlorobenzene	14.757	250	108540	3.707	ng/uL	99
77) Carbazole	17.580	167	338380	4.089	ng/ul	97
78) Di-n-butylphthalate	18.156	149	376096	3.925	ng/ul	100
80) Fluoranthene	19.239	202	457245	4.107	ng/ul	100
82) Pyrene	19.603	202	512104	4.336	ng/ul	100
83) Butylbenzylphthalate	20.503	149	134140	3.552	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.327	252	113792	3.393	ng/ul#	98
85) Benzo(a)anthracene	21.403	228	491379	4.406	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.339	149	213050	3.821	ng/ul	97
87) Chrysene	21.468	228	441363	4.399	ng/ul	99
89) Di-n-octyl phthalate	22.480	149	294744	2.852	ng/ul	100
90) Benzo(b)fluoranthene	23.485	252	419583	3.890	ng/ul	99
91) Benzo(k)fluoranthene	23.544	252	428995	3.973	ng/ul	98
93) Benzo(a)pyrene	24.291	252	396084	4.151	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.820	276	451213	4.402	ng/ul	97
95) Dibenzo(a,h)anthracene	27.885	278	364875	4.386	ng/ul	98
96) Benzo(g,h,i)perylene	28.879	276	352584	4.634	ng/ul	100

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

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