

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032025\
 Data File : BM049729.D
 Acq On : 20 Mar 2025 11:13
 Operator : RC/JU
 Sample : Q1546-05
 Misc : MDL-MED-SOIL 4 ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 20 13:07:33 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	303720	20.000	ng/u1	0.00
20) Naphthalene-d8	10.592	136	1144080	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.439	164	847793	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.180	188	1844399	20.000	ng/u1	0.00
79) Chrysene-d12	21.421	240	1711823	20.000	ng/u1	0.00
88) Perylene-d12	24.444	264	1619567	20.000	ng/u1	0.01

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.246	96	28443	3.858	ng/uL	0.00
4) Pyridine-d5	3.658	84	541772	23.889	ng/u1	0.00
7) Phenol-d5	6.969	99	588917	23.715	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.128	67	408045	26.340	ng/u1	0.00
11) 2-Chlorophenol-d4	7.334	132	471450	25.291	ng/u1	0.00
15) 4-Methylphenol-d8	8.510	113	443370	22.995	ng/u1	0.00
21) Nitrobenzene-d5	8.951	128	227850	26.173	ng/u1	0.00
24) 2-Nitrophenol-d4	9.675	143	240694	25.590	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.216	165	499663	24.544	ng/u1	0.00
31) 4-Chloroaniline-d4	10.728	131	676288	25.982	ng/u1	0.00
46) Dimethylphthalate-d6	13.851	166	1724473	27.594	ng/u1	0.00
49) Acenaphthylene-d8	14.133	160	1957016	26.884	ng/u1	0.00
54) 4-Nitrophenol-d4	14.639	143	257617	24.243	ng/u1	0.00
60) Fluorene-d10	15.433	176	1522330	27.335	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.545	200	219086	18.934	ng/u1	0.00
73) Anthracene-d10	17.280	188	2381357	25.438	ng/u1	0.00
81) Pyrene-d10	19.574	212	2889613	27.610	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.233	264	2463250	28.282	ng/u1	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.281	88	10419m	1.325	ng/uL	
5) Pyridine	3.681	79	100261	4.429	ng/u1#	79
6) Benzaldehyde	6.934	77	66534	5.071	ng/u1	98
8) Phenol	6.993	94	110313	4.329	ng/u1	97
10) Bis(2-Chloroethyl)ether	7.222	93	93974	4.600	ng/u1	98
12) 2-Chlorophenol	7.363	128	85921	4.467	ng/u1	97
13) 2-Methylphenol	8.246	108	67763	3.642	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.322	45	120515	4.735	ng/u1	99
16) Acetophenone	8.616	105	140486	4.478	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.604	70	71047	4.381	ng/u1	97
18) 4-Methylphenol	8.569	108	81681	3.982	ng/u1	97
19) Hexachloroethane	8.881	117	38242	4.576	ng/u1	94
22) Nitrobenzene	8.993	77	106533	4.897	ng/u1	98
23) Isophorone	9.522	82	186127	4.400	ng/u1	97
25) 2-Nitrophenol	9.704	139	46139	4.425	ng/u1	99
26) 2,4-Dimethylphenol	9.775	107	44006	2.295	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.004	93	121586	4.665	ng/u1	99
29) 2,4-Dichlorophenol	10.245	162	89093	4.386	ng/u1	96
30) Naphthalene	10.645	128	272018	4.576	ng/u1	100
32) 4-Chloroaniline	10.751	127	113904	4.618	ng/u1	95
33) Hexachlorobutadiene	10.939	225	67697	4.645	ng/u1	98
34) Caprolactam	11.534	113	26278m	4.557	ng/u1	
35) 4-Chloro-3-methylphenol	11.881	107	70500	3.865	ng/u1	99
36) 2-Methylnaphthalene	12.257	142	198058	4.462	ng/u1	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.481	142	182703	4.171	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.628	216	128557	4.182	ng/ul	99
40) Hexachlorocyclopentadiene	12.616	237	68979	3.738	ng/ul	99
41) 2,4,6-Trichlorophenol	12.869	196	65362	3.651	ng/ul	99
42) 2,4,5-Trichlorophenol	12.939	196	72885	3.790	ng/ul	97
43) 1,1'-Biphenyl	13.275	154	281463	4.475	ng/ul	99
44) 2-Chloronaphthalene	13.310	162	225441	4.527	ng/ul	99
45) 2-Nitroaniline	13.510	65	45995	3.772	ng/ul	85
47) Dimethylphthalate	13.898	163	287226	4.663	ng/ul	99
48) 2,6-Dinitrotoluene	14.010	165	43258	3.728	ng/ul	99
50) Acenaphthylene	14.157	152	328397	4.426	ng/ul	99
51) 3-Nitroaniline	14.339	138	41029	3.717	ng/ul#	98
52) Acenaphthene	14.504	153	235265	4.406	ng/ul	98
53) 2,4-Dinitrophenol	14.545	184	27345	3.853	ng/ul	99
55) 4-Nitrophenol	14.651	109	36237	4.461	ng/ul	93
56) Dibenzofuran	14.839	168	349450	4.644	ng/ul	97
57) 2,4-Dinitrotoluene	14.792	165	69204	4.127	ng/ul	96
58) 2,3,4,6-Tetrachlorophenol	15.069	232	60559	3.826	ng/ul	98
59) Diethylphthalate	15.263	149	269271	4.543	ng/ul	100
61) Fluorene	15.486	166	282291	4.325	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.486	204	152798	4.225	ng/ul	100
63) 4-Nitroaniline	15.498	138	37804	3.622	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.557	198	52295	4.075	ng/ul#	88
67) N-Nitrosodiphenylamine	15.692	169	230267	4.114	ng/ul	99
68) 4-Bromophenyl-phenylether	16.374	248	86750	3.934	ng/ul	97
69) Hexachlorobenzene	16.492	284	102266	4.108	ng/ul	99
70) Atrazine	16.645	200	91410	4.243	ng/ul	98
71) Pentachlorophenol	16.839	266	57111	3.557	ng/ul	98
72) Phenanthrene	17.221	178	443051	4.245	ng/ul	99
74) Anthracene	17.316	178	427271	4.094	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.233	216	120405	3.815	ng/ul	99
76) Pentachlorobenzene	14.757	250	118440	3.739	ng/ul	99
77) Carbazole	17.580	167	362093	4.044	ng/ul	98
78) Di-n-butylphthalate	18.157	149	413683	3.991	ng/ul	99
80) Fluoranthene	19.239	202	492819	4.188	ng/ul	99
82) Pyrene	19.604	202	545162	4.367	ng/ul	99
83) Butylbenzylphthalate	20.509	149	147481	3.694	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.327	252	124981	3.526	ng/ul#	99
85) Benzo(a)anthracene	21.404	228	524647	4.450	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.339	149	230184	3.905	ng/ul	98
87) Chrysene	21.468	228	460904	4.345	ng/ul	99
89) Di-n-octyl phthalate	22.480	149	318349	2.986	ng/ul	100
90) Benzo(b)fluoranthene	23.486	252	438116	3.937	ng/ul	99
91) Benzo(k)fluoranthene	23.550	252	461159	4.140	ng/ul	99
93) Benzo(a)pyrene	24.297	252	414324	4.210	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.833	276	472590	4.469	ng/ul	99
95) Dibenzo(a,h)anthracene	27.891	278	380301	4.431	ng/ul	98
96) Benzo(g,h,i)perylene	28.879	276	365491	4.657	ng/ul	97

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

