

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE091924\
 Data File : BE101372.D
 Acq On : 19 Sep 2024 10:29
 Operator : RC/JU
 Sample : P2403-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Quant Time: Sep 19 11:11:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE091724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 17 16:03:42 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/21/2024
 Supervised By :mohammad ahmed 09/22/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.576	152	137432	20.000	ng	0.00
21) Naphthalene-d8	10.343	136	671135	20.000	ng	0.00
39) Acenaphthene-d10	14.180	164	492772	20.000	ng	0.00
64) Phenanthrene-d10	16.918	188	1190901	20.000	ng	0.00
76) Chrysene-d12	21.084	240	1409086	20.000	ng	0.00
86) Perylene-d12	23.369	264	1788371	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.320	112	966245	122.928	ng	0.00
7) Phenol-d6	6.947	99	1336449	119.938	ng	0.00
23) Nitrobenzene-d5	8.786	82	908005	85.774	ng	0.00
42) 2,4,6-Tribromophenol	15.690	330	1079023	130.187	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	2439039	85.533	ng	0.00
79) Terphenyl-d14	19.515	244	4169591	65.612	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.240	88	12184	4.071	ng	97
3) Pyridine	3.892	79	24177m	2.804	ng	
4) n-Nitrosodimethylamine	3.686	42	11880m	3.835	ng	
6) Aniline	7.024	93	50320	5.383	ng	95
8) 2-Chlorophenol	7.217	128	37873	4.010	ng	93
9) Benzaldehyde	6.794	77	27076	5.287	ng	95
10) Phenol	6.976	94	43206	3.528	ng	90
11) bis(2-Chloroethyl)ether	7.047	93	32643m	3.149	ng	
12) 1,3-Dichlorobenzene	7.458	146	40778	4.017	ng	94
13) 1,4-Dichlorobenzene	7.605	146	41455	4.008	ng	99
14) 1,2-Dichlorobenzene	7.934	146	40343	3.936	ng	98
15) Benzyl Alcohol	7.917	79	34988	5.273	ng	# 64
16) 2,2'-oxybis(1-Chloropr...	8.075	45	56067	4.292	ng	98
17) 2-Methylphenol	8.157	107	28202	3.475	ng	96
18) Hexachloroethane	8.633	117	12529	3.704	ng	91
19) n-Nitroso-di-n-propyla...	8.387	70	26853	3.415	ng	95
20) 3+4-Methylphenols	8.498	107	36943	3.235	ng	96
22) Acetophenone	8.434	105	59245	3.807	ng	# 98
24) Nitrobenzene	8.827	77	45535	4.029	ng	97
25) Isophorone	9.280	82	77093	3.557	ng	98
26) 2-Nitrophenol	9.521	139	16609	3.114	ng	97
27) 2,4-Dimethylphenol	9.632	122	20624	3.012	ng	98
28) bis(2-Chloroethoxy)met...	9.791	93	47952	3.658	ng	97
29) 2,4-Dichlorophenol	10.067	162	31776	3.389	ng	93
30) 1,2,4-Trichlorobenzene	10.185	180	39456	3.893	ng	95
31) Naphthalene	10.390	128	132730	3.920	ng	99
32) Benzoic acid	9.820	122	9518m	8.448	ng	
33) 4-Chloroaniline	10.625	127	46657	3.601	ng	98
34) Hexachlorobutadiene	10.643	225	21312	3.620	ng	97
35) Caprolactam	11.418	113	11635m	3.071	ng	
36) 4-Chloro-3-methylphenol	11.789	107	37533	3.387	ng	96
37) 2-Methylnaphthalene	11.982	142	93763	3.786	ng	99
38) 1-Methylnaphthalene	12.206	142	90429	3.640	ng	98
40) 1,2,4,5-Tetrachloroben...	12.335	216	46280	3.899	ng	99
41) Hexachlorocyclopentadiene	12.317	237	12041	3.087	ng	90
43) 2,4,6-Trichlorophenol	12.658	196	27367	3.255	ng	96

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44) 2,4,5-Trichlorophenol	12.758	196	30853	3.253	ng	96
46) 1,1'-Biphenyl	13.011	154	142396	4.264	ng	99
47) 2-Chloronaphthalene	13.052	162	100220	3.815	ng	98
48) 2-Nitroaniline	13.393	65	21809	3.086	ng	98
49) Acenaphthylene	13.915	152	160770	4.102	ng	98
50) Dimethylphthalate	13.686	163	139901	3.934	ng	99
51) 2,6-Dinitrotoluene	13.821	165	25827	3.246	ng	91
52) Acenaphthene	14.244	154	100728	3.899	ng	94
53) 3-Nitroaniline	14.239	138	25683	3.138	ng	94
55) Dibenzofuran	14.585	168	167469	4.104	ng	98
56) 4-Nitrophenol	14.650	139	18083	2.657	ng	91
57) 2,4-Dinitrotoluene	14.609	165	31287	2.888	ng #	91
58) Fluorene	15.226	166	137410	3.996	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.855	232	31870	3.553	ng	97
60) Diethylphthalate	15.008	149	142504	3.863	ng	97
61) 4-Chlorophenyl-phenyle...	15.214	204	65965	3.911	ng	96
62) 4-Nitroaniline	15.420	138	22801	2.673	ng	93
63) Azobenzene	15.508	77	122654	3.891	ng	97
65) 4,6-Dinitro-2-methylph...	15.349	198	14470	2.140	ng	95
66) n-Nitrosodiphenylamine	15.461	169	120876	3.808	ng	99
67) 4-Bromophenyl-phenylether	16.101	248	44189	3.572	ng	98
68) Hexachlorobenzene	16.201	284	57534	3.598	ng	97
69) Atrazine	16.395	200	44091	4.206	ng	98
70) Pentachlorophenol	16.612	266	25282	2.646	ng	94
71) Phenanthrene	16.959	178	243406	4.303	ng	97
72) Anthracene	17.047	178	222136	4.036	ng	96
73) Carbazole	17.376	167	221925	3.935	ng	99
74) Di-n-butylphthalate	17.828	149	235088	3.796	ng	96
75) Fluoranthene	18.962	202	292553	4.297	ng	94
77) Benzidine	19.221	184	70537	3.016	ng	98
78) Pyrene	19.333	202	316081	4.033	ng	93
80) Butylbenzylphthalate	20.185	149	120637	3.477	ng	96
81) Benzo(a)anthracene	21.060	228	344030	4.348	ng	92
82) 3,3'-Dichlorobenzidine	21.037	252	107328	3.461	ng	99
83) Chrysene	21.113	228	336466	4.426	ng	92
84) Bis(2-ethylhexyl)phtha...	20.890	149	155434	3.388	ng #	93
85) Di-n-octyl phthalate	21.742	149	277448	3.705	ng	99
87) Indeno(1,2,3-cd)pyrene	25.678	276	479395	4.069	ng	97
88) Benzo(b)fluoranthene	22.658	252	376536	4.065	ng	94
89) Benzo(k)fluoranthene	22.699	252	362073	4.142	ng	94
90) Benzo(a)pyrene	23.257	252	334201	4.088	ng	97
91) Dibenzo(a,h)anthracene	25.672	278	389897	3.953	ng	98
92) Benzo(g,h,i)perylene	26.424	276	370756	3.702	ng	97

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

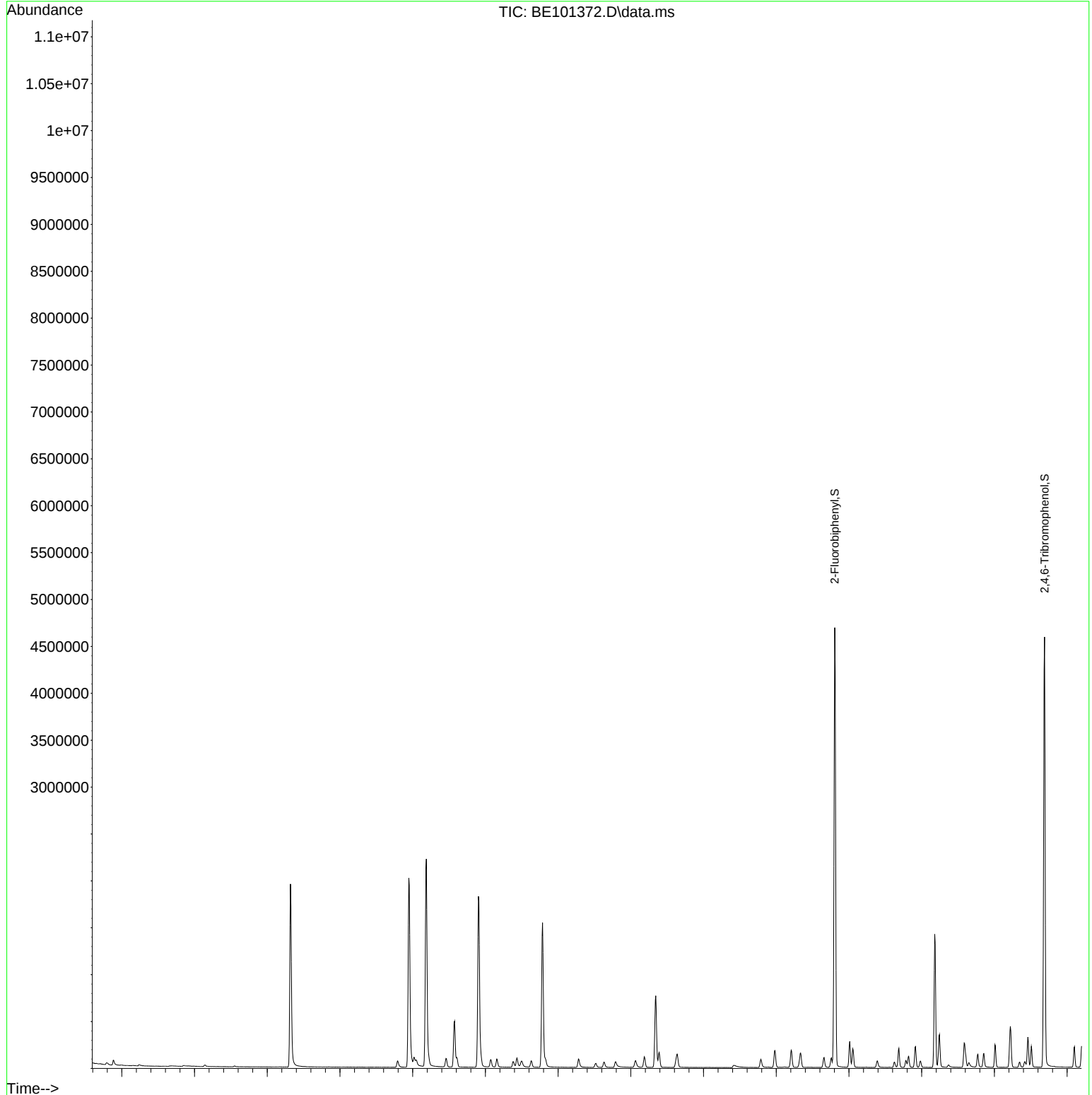
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