

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092724\
 Data File : BP022076.D
 Acq On : 27 Sep 2024 12:14
 Operator : RC/JU
 Sample : P3391-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-QT3-2024-06

Quant Time: Sep 27 12:41:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092424.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 24 15:23:13 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/01/2024
 Supervised By :mohammad ahmed 10/01/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	91844	20.000	ng/u1	0.00
20) Naphthalene-d8	10.463	136	337839	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.322	164	267126	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.110	188	686008	20.000	ng/u1	0.00
79) Chrysene-d12	21.533	240	880169	20.000	ng/u1	0.00
88) Perylene-d12	24.810	264	1027968	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.223	96	11323	4.829	ng/uL	0.00
4) Pyridine-d5	3.634	84	151520	22.607	ng/u1	0.00
7) Phenol-d5	6.887	99	161842	21.542	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.046	67	99330	21.471	ng/u1	0.00
11) 2-Chlorophenol-d4	7.246	132	121535	22.359	ng/u1	0.00
15) 4-Methylphenol-d8	8.399	113	116210	19.520	ng/u1	0.00
21) Nitrobenzene-d5	8.840	128	60277	23.838	ng/u1	0.00
24) 2-Nitrophenol-d4	9.558	143	69313	24.176	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.093	165	140954	22.639	ng/u1	0.00
31) 4-Chloroaniline-d4	10.599	131	148239	19.954	ng/u1	0.00
46) Dimethylphthalate-d6	13.722	166	456223	22.094	ng/u1	0.00
49) Acenaphthylene-d8	14.004	160	487403	22.294	ng/u1	0.00
54) 4-Nitrophenol-d4	14.534	143	68494	19.392	ng/u1	0.00
60) Fluorene-d10	15.322	176	414510	22.694	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.440	200	77462	18.188	ng/u1	0.00
73) Anthracene-d10	17.216	188	607051	18.955	ng/u1	0.00
81) Pyrene-d10	19.592	212	986127	21.626	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.580	264	1251791	23.152	ng/u1	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.258	88	2566	1.010	ng/uL	96
5) Pyridine	3.652	79	28494	4.185	ng/u1#	67
6) Benzaldehyde	6.858	77	22298	5.247	ng/u1	96
8) Phenol	6.917	94	31634	4.035	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.134	93	25638	4.272	ng/u1	98
12) 2-Chlorophenol	7.275	128	24223	4.299	ng/u1	98
13) 2-Methylphenol	8.146	108	20666	3.634	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.216	45	22354	4.016	ng/u1#	95
16) Acetophenone	8.511	105	42551	4.297	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.493	70	21480	4.184	ng/u1	98
18) 4-Methylphenol	8.463	108	23942	3.861	ng/u1	94
19) Hexachloroethane	8.769	117	11070	4.161	ng/u1	92
22) Nitrobenzene	8.887	77	35584	4.603	ng/u1	96
23) Isophorone	9.405	82	56166	4.194	ng/u1	95
25) 2-Nitrophenol	9.587	139	14206	4.631	ng/u1	92
26) 2,4-Dimethylphenol	9.652	107	10701	1.540	ng/u1	94
27) Bis(2-Chloroethoxy)met...	9.881	93	32981	4.273	ng/u1	99
29) 2,4-Dichlorophenol	10.122	162	27802	4.494	ng/u1	97
30) Naphthalene	10.516	128	79280	4.460	ng/u1	97
32) 4-Chloroaniline	10.616	127	28978	3.938	ng/u1	92
33) Hexachlorobutadiene	10.799	225	24972	4.547	ng/u1	94
34) Caprolactam	11.399	113	10415	5.550	ng/u1	89
35) 4-Chloro-3-methylphenol	11.752	107	25538	3.816	ng/u1	99
36) 2-Methylnaphthalene	12.116	142	56021	4.241	ng/u1	100

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37) 1-Methylnaphthalene	12.340	142	58467	4.388	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.499	216	44035	4.446	ng/ul	98
40) Hexachlorocyclopentadiene	12.475	237	19022	3.053	ng/ul	93
41) 2,4,6-Trichlorophenol	12.734	196	23344	3.943	ng/ul	97
42) 2,4,5-Trichlorophenol	12.816	196	25458	3.971	ng/ul	98
43) 1,1'-Biphenyl	13.146	154	80844	4.232	ng/ul	99
44) 2-Chloronaphthalene	13.187	162	68184	4.433	ng/ul	98
45) 2-Nitroaniline	13.393	65	16847	3.788	ng/ul	96
47) Dimethylphthalate	13.763	163	88219	4.254	ng/ul	99
48) 2,6-Dinitrotoluene	13.893	165	15053	3.786	ng/ul	97
50) Acenaphthylene	14.034	152	102588	4.500	ng/ul	98
51) 3-Nitroaniline	14.228	138	12097	3.342	ng/ul	84
52) Acenaphthene	14.381	153	70805	4.274	ng/ul	99
53) 2,4-Dinitrophenol	14.434	184	8744	3.232	ng/ul	90
55) 4-Nitrophenol	14.546	109	18945	4.741	ng/ul#	87
56) Dibenzofuran	14.716	168	107703	4.373	ng/ul	99
57) 2,4-Dinitrotoluene	14.687	165	23657	3.861	ng/ul#	97
58) 2,3,4,6-Tetrachlorophenol	14.957	232	26079	4.226	ng/ul	96
59) Diethylphthalate	15.157	149	88346	4.304	ng/ul	97
61) Fluorene	15.375	166	87309	4.263	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.375	204	52195	4.426	ng/ul	92
63) 4-Nitroaniline	15.398	138	13995	3.799	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.451	198	17343	3.740	ng/ul#	78
67) N-Nitrosodiphenylamine	15.604	169	75114	4.157	ng/ul	98
68) 4-Bromophenyl-phenylether	16.293	248	37043	4.497	ng/ul	98
69) Hexachlorobenzene	16.404	284	47039	4.702	ng/ul	96
70) Atrazine	16.575	200	34100	4.231	ng/ul	100
71) Pentachlorophenol	16.757	266	36456	5.462	ng/ul	99
72) Phenanthrene	17.151	178	155486	4.323	ng/ul	98
74) Anthracene	17.251	178	135095	3.691	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.099	216	41723	4.053	ng/uL	99
76) Pentachlorobenzene	14.646	250	51279	4.530	ng/uL	98
77) Carbazole	17.528	167	130365	4.041	ng/ul	99
78) Di-n-butylphthalate	18.128	149	152508	4.100	ng/ul	99
80) Fluoranthene	19.239	202	211548	4.059	ng/ul	99
82) Pyrene	19.616	202	227102	4.048	ng/ul#	95
83) Butylbenzylphthalate	20.569	149	72513	3.709	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.439	252	68642	3.406	ng/ul#	98
85) Benzo(a)anthracene	21.510	228	259639	4.280	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.457	149	113368	3.952	ng/ul	99
87) Chrysene	21.580	228	239070	4.200	ng/ul	99
89) Di-n-octyl phthalate	22.704	149	189136	3.724	ng/ul	100
90) Benzo(b)fluoranthene	23.774	252	280704	4.399	ng/ul	98
91) Benzo(k)fluoranthene	23.839	252	276701	4.351	ng/ul	99
93) Benzo(a)pyrene	24.651	252	257275	4.375	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.527	276	351853m	4.589	ng/ul	
95) Dibenzo(a,h)anthracene	28.604	278	294156	4.763	ng/ul#	96
96) Benzo(g,h,i)perylene	29.645	276	282781m	4.753	ng/ul	

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

