

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112224\
 Data File : BP023305.D
 Acq On : 22 Nov 2024 16:03
 Operator : RC/JU
 Sample : P4776-05
 Misc : MDL-SOIL-ME-QT4-2024
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-MED-SOIL-QT4-2024-07

Quant Time: Nov 22 17:55:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP110924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 20 04:34:35 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut
 Upadhyay

11/25/2024
 Supervised By :mohammad
 ahmed

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.569	152	84712	20.000	ng/u1	0.00
20) Naphthalene-d8	10.310	136	308201	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.175	164	242327	20.000	ng/u1	-0.01
64) Phenanthrene-d10	16.992	188	600133	20.000	ng/u1	0.00
79) Chrysene-d12	21.445	240	686264	20.000	ng/u1	0.02
88) Perylene-d12	24.680	264	789068	20.000	ng/u1	0.05

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.134	96	7902	4.484	ng/uL	0.00
4) Pyridine-d5	3.552	84	60392	11.534	ng/u1	0.00
7) Phenol-d5	6.781	99	78149	12.478	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.916	67	51719	14.055	ng/u1	0.00
11) 2-Chlorophenol-d4	7.116	132	59682	13.012	ng/u1	0.00
15) 4-Methylphenol-d8	8.287	113	59881	11.619	ng/u1	0.00
21) Nitrobenzene-d5	8.710	128	28705	13.378	ng/u1	0.00
24) 2-Nitrophenol-d4	9.428	143	32171	12.577	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.975	165	64700	12.078	ng/u1	0.01
31) 4-Chloroaniline-d4	10.475	131	73335	11.475	ng/u1	0.00
46) Dimethylphthalate-d6	13.592	166	236840	13.561	ng/u1	0.00
49) Acenaphthylene-d8	13.863	160	239883	13.163	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.504	143	31970m	12.180	ng/u1	0.05
60) Fluorene-d10	15.198	176	201931	13.187	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.363	200	32902	9.152	ng/u1	0.01
73) Anthracene-d10	17.098	188	332842	13.099	ng/u1	0.00
81) Pyrene-d10	19.492	212	443067	14.017	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.457	264	519652	13.826	ng/u1	0.04

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.169	88	2578m	1.266	ng/uL	
5) Pyridine	3.569	79	20497	3.898	ng/u1#	61
6) Benzaldehyde	6.752	77	15450	4.287	ng/u1	90
8) Phenol	6.805	94	26135	3.996	ng/u1	89
10) Bis(2-Chloroethyl)ether	7.005	93	22903	4.660	ng/u1	95
12) 2-Chlorophenol	7.146	128	20276	4.258	ng/u1	92
13) 2-Methylphenol	8.028	108	18526	3.795	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.075	45	27494	4.942	ng/u1	98
16) Acetophenone	8.387	105	36190	4.179	ng/u1	92
17) N-Nitroso-di-n-propyla...	8.357	70	18759	4.338	ng/u1#	95
18) 4-Methylphenol	8.357	108	20700	3.839	ng/u1	99
19) Hexachloroethane	8.604	117	10458	4.541	ng/u1	99
22) Nitrobenzene	8.757	77	27403	4.451	ng/u1	93
23) Isophorone	9.263	82	48402	4.397	ng/u1#	96
25) 2-Nitrophenol	9.457	139	11750	4.352	ng/u1	96
26) 2,4-Dimethylphenol	9.528	107	22717	3.896	ng/u1	92
27) Bis(2-Chloroethoxy)met...	9.746	93	28162	4.649	ng/u1	97
29) 2,4-Dichlorophenol	9.999	162	21470	4.046	ng/u1#	84
30) Naphthalene	10.357	128	69076	4.613	ng/u1	97
32) 4-Chloroaniline	10.504	127	24613	3.975	ng/u1	90
33) Hexachlorobutadiene	10.628	225	22323	4.650	ng/u1	97
34) Caprolactam	11.310	113	6404m	4.058	ng/u1	
35) 4-Chloro-3-methylphenol	11.657	107	21787	3.817	ng/u1	98
36) 2-Methylnaphthalene	11.981	142	49238	4.356	ng/u1	98

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37) 1-Methylnaphthalene	12.204	142	44922	3.887	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.357	216	37526	4.587	ng/ul	98
40) Hexachlorocyclopentadiene	12.316	237	19451	4.527	ng/ul	96
41) 2,4,6-Trichlorophenol	12.628	196	20172m	4.049	ng/ul	
42) 2,4,5-Trichlorophenol	12.728	196	20630m	3.841	ng/ul	
43) 1,1'-Biphenyl	13.010	154	69199	4.456	ng/ul	97
44) 2-Chloronaphthalene	13.057	162	57263	4.511	ng/ul	98
45) 2-Nitroaniline	13.298	65	14597m	4.096	ng/ul	
47) Dimethylphthalate	13.645	163	77543	4.502	ng/ul	100
48) 2,6-Dinitrotoluene	13.781	165	13111	3.913	ng/ul	94
50) Acenaphthylene	13.892	152	85624	4.648	ng/ul	99
51) 3-Nitroaniline	14.145	138	11239m	3.895	ng/ul	
52) Acenaphthene	14.245	153	60890	4.553	ng/ul	93
53) 2,4-Dinitrophenol	14.381	184	11690m	4.917	ng/ul	
55) 4-Nitrophenol	14.516	109	11290m	3.677	ng/ul	
56) Dibenzofuran	14.587	168	91033	4.406	ng/ul	99
57) 2,4-Dinitrotoluene	14.598	165	21882	4.098	ng/ul#	77
58) 2,3,4,6-Tetrachlorophenol	14.839	232	21132	4.025	ng/ul#	93
59) Diethylphthalate	15.028	149	74642	4.382	ng/ul	96
61) Fluorene	15.245	166	73449	4.343	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.245	204	43335	4.352	ng/ul	97
63) 4-Nitroaniline	15.322	138	10642m	3.963	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.386	198	13634	3.550	ng/ul#	81
67) N-Nitrosodiphenylamine	15.481	169	62233	4.488	ng/ul	98
68) 4-Bromophenyl-phenylether	16.169	248	28078	4.132	ng/ul	90
69) Hexachlorobenzene	16.281	284	37313	4.361	ng/ul	98
70) Atrazine	16.463	200	29025	4.330	ng/ul	94
71) Pentachlorophenol	16.657	266	34264	6.451	ng/ul	99
72) Phenanthrene	17.033	178	128017	4.518	ng/ul	100
74) Anthracene	17.139	178	128006	4.493	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	12.975	216	33251	4.196	ng/uL	98
76) Pentachlorobenzene	14.516	250	36276	4.010	ng/uL	96
77) Carbazole	17.433	167	106288	4.276	ng/ul	97
78) Di-n-butylphthalate	18.004	149	116616	4.228	ng/ul	98
80) Fluoranthene	19.145	202	170615	4.685	ng/ul	99
82) Pyrene	19.522	202	178794	4.570	ng/ul	98
83) Butylbenzylphthalate	20.474	149	51956	4.034	ng/ul	93
84) 3,3'-Dichlorobenzidine	21.363	252	58967	3.828	ng/ul	97
85) Benzo(a)anthracene	21.427	228	192796	4.601	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.351	149	73039m	3.990	ng/ul	
87) Chrysene	21.492	228	176877	4.486	ng/ul	99
89) Di-n-octyl phthalate	22.574	149	126594	3.955	ng/ul	100
90) Benzo(b)fluoranthene	23.657	252	200076m	4.556	ng/ul	
91) Benzo(k)fluoranthene	23.733	252	208357	4.819	ng/ul	99
93) Benzo(a)pyrene	24.527	252	172469	4.344	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	28.374	276	246555m	4.457	ng/ul	
95) Dibenzo(a,h)anthracene	28.421	278	205030m	4.565	ng/ul	
96) Benzo(g,h,i)perylene	29.509	276	193066m	4.595	ng/ul	

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

