

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051724\
 Data File : BP020419.D
 Acq On : 17 May 2024 11:36
 Operator : MA/JU
 Sample : P2409-06
 Misc : SFAM-MDL-ME-SOIL-02
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-MED-SOIL-QT2-2024-04

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

Quant Time: May 17 22:53:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP050124.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu May 16 10:48:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.587	152	87453	20.000	ng/u1	0.00
20) Naphthalene-d8	10.346	136	344487	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.263	164	229331	20.000	ng/u1	-0.01
64) Phenanthrene-d10	17.104	188	549761	20.000	ng/u1	-0.02
79) Chrysene-d12	21.604	240	613498	20.000	ng/u1	-0.02
88) Perylene-d12	24.939	264	670039m	20.000	ng/u1	-0.05
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.187	96	10264	4.957	ng/uL	0.00
4) Pyridine-d5	3.593	84	123097	20.459	ng/u1	0.00
7) Phenol-d5	6.775	99	151696	20.198	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.940	67	92221	20.214	ng/u1	0.00
11) 2-Chlorophenol-d4	7.122	132	119075	22.178	ng/u1	0.00
15) 4-Methylphenol-d8	8.299	113	113919	18.761	ng/u1	0.00
21) Nitrobenzene-d5	8.746	128	57931	22.457	ng/u1	0.00
24) 2-Nitrophenol-d4	9.463	143	61937	20.967	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.999	165	113568	21.067	ng/u1	0.00
31) 4-Chloroaniline-d4	10.528	131	142828	18.931	ng/u1	0.00
46) Dimethylphthalate-d6	13.681	166	377000	22.511	ng/u1	0.00
49) Acenaphthylene-d8	13.945	160	422001	22.811	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.557	143	58144m	22.590	ng/u1	0.01
60) Fluorene-d10	15.292	176	327441	23.441	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.463	200	57663	16.529	ng/u1	0.00
73) Anthracene-d10	17.216	188	507938	21.357	ng/u1	-0.02
81) Pyrene-d10	19.616	212	693864	19.348	ng/u1	-0.02
92) Benzo(a)pyrene-d12	24.721	264	729729	22.524	ng/u1	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.223	88	2190m	0.932	ng/uL	
5) Pyridine	3.611	79	26214	4.307	ng/u1#	52
6) Benzaldehyde	6.775	77	19797	5.244	ng/u1	96
8) Phenol	6.805	94	32308	4.168	ng/u1	90
10) Bis(2-Chloroethyl)ether	7.034	93	26651	4.394	ng/u1	99
12) 2-Chlorophenol	7.158	128	26228	4.679	ng/u1	93
13) 2-Methylphenol	8.040	108	21354	3.693	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.099	45	32895	4.347	ng/u1#	89
16) Acetophenone	8.422	105	41126	4.081	ng/u1	94
17) N-Nitroso-di-n-propyla...	8.387	70	20035	3.664	ng/u1	96
18) 4-Methylphenol	8.375	108	24874m	3.958	ng/u1	
19) Hexachloroethane	8.622	117	12321	4.806	ng/u1	87
22) Nitrobenzene	8.793	77	33976	4.588	ng/u1	97
23) Isophorone	9.310	82	56557	3.972	ng/u1	99
25) 2-Nitrophenol	9.499	139	14183	4.635	ng/u1	91
26) 2,4-Dimethylphenol	9.563	107	20822	3.119	ng/u1	92
27) Bis(2-Chloroethoxy)met...	9.799	93	31233	3.956	ng/u1	96
29) 2,4-Dichlorophenol	10.034	162	24426m	4.658	ng/u1	
30) Naphthalene	10.404	128	88099	4.962	ng/u1	98
32) 4-Chloroaniline	10.557	127	28563	3.871	ng/u1	100
33) Hexachlorobutadiene	10.657	225	21153	5.194	ng/u1	97
34) Caprolactam	11.393	113	7495m	4.094	ng/u1	
35) 4-Chloro-3-methylphenol	11.704	107	26613m	4.076	ng/u1	
36) 2-Methylnaphthalene	12.046	142	56496	4.573	ng/u1	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
37) 1-Methylnaphthalene	12.263	142	58560	4.710	ng/ul	93	05/18/2024
39) 1,2,4,5-Tetrachloroben...	12.422	216	35850	5.012	ng/ul	99	Supervised By :mohammad ahmed
40) Hexachlorocyclopentadiene	12.363	237	22602	5.811	ng/ul	90	
41) 2,4,6-Trichlorophenol	12.693	196	19393m	4.324	ng/ul		
42) 2,4,5-Trichlorophenol	12.798	196	20286m	4.203	ng/ul		
43) 1,1'-Biphenyl	13.081	154	76811	4.735	ng/ul	96	
44) 2-Chloronaphthalene	13.128	162	62494	4.855	ng/ul	96	05/18/2024
45) 2-Nitroaniline	13.393	65	16296m	3.817	ng/ul		
47) Dimethylphthalate	13.740	163	79957	4.727	ng/ul	96	
48) 2,6-Dinitrotoluene	13.881	165	14011	4.166	ng/ul	92	
50) Acenaphthylene	13.981	152	103540	4.976	ng/ul	98	
51) 3-Nitroaniline	14.251	138	11303m	3.604	ng/ul		
52) Acenaphthene	14.328	153	70497	5.041	ng/ul	98	
53) 2,4-Dinitrophenol	14.481	184	8390m	4.065	ng/ul		
55) 4-Nitrophenol	14.581	109	12047	4.495	ng/ul	96	
56) Dibenzofuran	14.687	168	97650	5.077	ng/ul	97	
57) 2,4-Dinitrotoluene	14.698	165	21974	4.545	ng/ul	91	
58) 2,3,4,6-Tetrachlorophenol	14.928	232	20726	4.782	ng/ul#	94	
59) Diethylphthalate	15.134	149	79388	4.701	ng/ul	99	
61) Fluorene	15.345	166	78948	4.941	ng/ul	97	
62) 4-Chlorophenyl-phenyle...	15.351	204	43635	5.147	ng/ul	97	
63) 4-Nitroaniline	15.457	138	12085m	4.623	ng/ul		
66) 4,6-Dinitro-2-methylph...	15.475	198	15738m	4.326	ng/ul		
67) N-Nitrosodiphenylamine	15.581	169	68216	4.456	ng/ul	95	
68) 4-Bromophenyl-phenylether	16.275	248	27231	4.573	ng/ul	93	
69) Hexachlorobenzene	16.375	284	34210	4.960	ng/ul	96	
70) Atrazine	16.592	200	25831	4.759	ng/ul	95	
71) Pentachlorophenol	16.769	266	17472	4.191	ng/ul	95	
72) Phenanthrene	17.157	178	134446	4.793	ng/ul	99	
74) Anthracene	17.251	178	126851	4.446	ng/ul	98	
75) 1,2,3,4-Tetrachloroben...	13.034	216	34838	4.264	ng/uL	98	
76) Pentachlorobenzene	14.592	250	41027	5.018	ng/uL	97	
77) Carbazole	17.575	167	112782	4.589	ng/ul	97	
78) Di-n-butylphthalate	18.151	149	135132	4.536	ng/ul	99	
80) Fluoranthene	19.269	202	172312	4.083	ng/ul	100	
82) Pyrene	19.645	202	184117	4.193	ng/ul	99	
83) Butylbenzylphthalate	20.622	149	64957	3.897	ng/ul	93	
84) 3,3'-Dichlorobenzidine	21.533	252	50816	4.070	ng/ul#	99	
85) Benzo(a)anthracene	21.580	228	192087	4.616	ng/ul	99	
86) Bis(2-ethylhexyl)phtha...	21.527	149	97556	4.057	ng/ul	97	
87) Chrysene	21.651	228	186509	4.836	ng/ul	100	
89) Di-n-octyl phthalate	22.816	149	164078	3.824	ng/ul	100	
90) Benzo(b)fluoranthene	23.892	252	188142	4.720	ng/ul	99	
91) Benzo(k)fluoranthene	23.968	252	192344	4.735	ng/ul	99	
93) Benzo(a)pyrene	24.786	252	170716	4.501	ng/ul	98	
94) Indeno(1,2,3-cd)pyrene	28.756	276	210066m	4.518	ng/ul		
95) Dibenzo(a,h)anthracene	28.868	278	174981m	4.550	ng/ul		
96) Benzo(g,h,i)perylene	29.962	276	176429m	4.705	ng/ul		

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

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