

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011724\
 Data File : BN029266.D
 Acq On : 17 Jan 2024 11:35
 Operator : MA/JU
 Sample : 02215-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT2-2023-04

Quant Time: Jan 18 00:55:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN011524.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 16 03:57:40 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/18/2024
 Supervised By :Sohil Jodhani 01/18/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.940	152	140566	20.000	ng/u1	0.00
20) Naphthalene-d8	10.746	136	629876	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.581	164	426437	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.333	188	980682	20.000	ng/u1	0.00
79) Chrysene-d12	21.527	240	960435	20.000	ng/u1	0.00
88) Perylene-d12	23.945	264	1122193	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.375	96	16734	4.917	ng/uL	0.00
4) Pyridine-d5	3.781	84	234505	22.338	ng/u1	0.00
7) Phenol-d5	7.105	99	271363	20.121	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.281	67	181226	21.305	ng/u1	0.00
11) 2-Chlorophenol-d4	7.469	132	207074	21.705	ng/u1	0.00
15) 4-Methylphenol-d8	8.652	113	217775	20.027	ng/u1	0.00
21) Nitrobenzene-d5	9.110	128	107068	23.431	ng/u1	0.00
24) 2-Nitrophenol-d4	9.828	143	84306	22.247	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.363	165	195090	20.681	ng/u1	0.00
31) 4-Chloroaniline-d4	10.887	131	331276	19.404	ng/u1	0.00
46) Dimethylphthalate-d6	14.004	166	763071	21.739	ng/u1	0.00
49) Acenaphthylene-d8	14.275	160	845272	21.382	ng/u1	0.00
54) 4-Nitrophenol-d4	14.775	143	115423	18.893	ng/u1	0.00
60) Fluorene-d10	15.575	176	653623	21.849	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.692	200	68155	16.526	ng/u1	0.00
73) Anthracene-d10	17.433	188	1015501	20.599	ng/u1	0.00
81) Pyrene-d10	19.727	212	1205322	22.585	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.786	264	1246136	21.545	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.411	88	3946	1.143	ng/uL	95
5) Pyridine	3.805	79	42897	4.000	ng/u1#	69
6) Benzaldehyde	7.087	77	38362m	6.338	ng/u1	
8) Phenol	7.128	94	54372	3.967	ng/u1	96
10) Bis(2-Chloroethyl)ether	7.375	93	45874	4.123	ng/u1	99
12) 2-Chlorophenol	7.499	128	42261	4.255	ng/u1	99
13) 2-Methylphenol	8.381	108	38060	3.645	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.469	45	61358	4.313	ng/u1	95
16) Acetophenone	8.769	105	75864	4.117	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.757	70	38969	4.019	ng/u1	96
18) 4-Methylphenol	8.710	108	44501	3.960	ng/u1	96
19) Hexachloroethane	9.016	117	19623	4.352	ng/u1	96
22) Nitrobenzene	9.151	77	57572	4.557	ng/u1	96
23) Isophorone	9.675	82	107585	4.006	ng/u1	99
25) 2-Nitrophenol	9.857	139	19096	4.304	ng/u1	91
26) 2,4-Dimethylphenol	9.916	107	47562	4.009	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.169	93	64595	4.273	ng/u1#	97
29) 2,4-Dichlorophenol	10.387	162	39497	4.258	ng/u1	98
30) Naphthalene	10.793	128	155580	4.332	ng/u1	99
32) 4-Chloroaniline	10.910	127	66151	3.983	ng/u1	99
33) Hexachlorobutadiene	11.069	225	27926	4.265	ng/u1	88
34) Caprolactam	11.698	113	14936m	3.973	ng/u1	
35) 4-Chloro-3-methylphenol	12.028	107	42422	3.854	ng/u1	96
36) 2-Methylnaphthalene	12.404	142	106780	4.251	ng/u1	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.622	142	110111	4.418	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.763	216	58009	4.365	ng/ul	98
40) Hexachlorocyclopentadiene	12.740	237	35819	4.025	ng/ul	96
41) 2,4,6-Trichlorophenol	13.010	196	25800	3.503	ng/ul	93
42) 2,4,5-Trichlorophenol	13.075	196	29773	3.601	ng/ul	99
43) 1,1'-Biphenyl	13.416	154	144475	4.204	ng/ul	99
44) 2-Chloronaphthalene	13.457	162	113951	4.245	ng/ul	99
45) 2-Nitroaniline	13.663	65	27071	3.804	ng/ul	96
47) Dimethylphthalate	14.045	163	153458	4.293	ng/ul	98
48) 2,6-Dinitrotoluene	14.169	165	20906	3.617	ng/ul	96
50) Acenaphthylene	14.304	152	191918	4.184	ng/ul	99
51) 3-Nitroaniline	14.492	138	23252	3.704	ng/ul	98
52) Acenaphthene	14.645	153	126776	4.211	ng/ul	98
53) 2,4-Dinitrophenol	14.698	184	11149	4.514	ng/ul	92
55) 4-Nitrophenol	14.792	109	25213	4.505	ng/ul	95
56) Dibenzofuran	14.981	168	174770	4.292	ng/ul	100
57) 2,4-Dinitrotoluene	14.951	165	33610	3.971	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.204	232	23781	3.486	ng/ul	94
59) Diethylphthalate	15.416	149	150173	4.027	ng/ul	100
61) Fluorene	15.628	166	147767	4.191	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.634	204	74920	4.348	ng/ul	100
63) 4-Nitroaniline	15.651	138	25807m	4.175	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.710	198	18356	3.865	ng/ul	94
67) N-Nitrosodiphenylamine	15.845	169	122675	4.126	ng/ul	97
68) 4-Bromophenyl-phenylether	16.528	248	32315	2.948	ng/ul	89
69) Hexachlorobenzene	16.622	284	53056	4.021	ng/ul#	93
70) Atrazine	16.804	200	47779	4.232	ng/ul	93
71) Pentachlorophenol	16.975	266	25038	3.513	ng/ul	95
72) Phenanthrene	17.375	178	238784	4.197	ng/ul	98
74) Anthracene	17.463	178	235168	3.980	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.375	216	54505	4.111	ng/uL	96
76) Pentachlorobenzene	14.892	250	63938	4.658	ng/uL	94
77) Carbazole	17.739	167	205584	3.763	ng/ul	99
78) Di-n-butylphthalate	18.322	149	233255	3.501	ng/ul	98
80) Fluoranthene	19.392	202	267547	4.243	ng/ul	100
82) Pyrene	19.757	202	290377	4.335	ng/ul	100
83) Butylbenzylphthalate	20.680	149	87472	3.340	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.451	252	90282	4.052	ng/ul	92
85) Benzo(a)anthracene	21.516	228	300734	4.249	ng/ul	95
86) Bis(2-ethylhexyl)phtha...	21.468	149	148525	3.435	ng/ul	98
87) Chrysene	21.568	228	276072	4.218	ng/ul	99
89) Di-n-octyl phthalate	22.416	149	217185	2.745	ng/ul	100
90) Benzo(b)fluoranthene	23.204	252	287785	4.044	ng/ul	98
91) Benzo(k)fluoranthene	23.257	252	283101	3.992	ng/ul	97
93) Benzo(a)pyrene	23.839	252	270375	4.007	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.439	276	321465	3.764	ng/ul	97
95) Dibenzo(a,h)anthracene	26.468	278	270764	3.802	ng/ul	98
96) Benzo(g,h,i)perylene	27.203	276	252043	3.696	ng/ul	97

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

