

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112224\
 Data File : BP023304.D
 Acq On : 22 Nov 2024 15:22
 Operator : RC/JU
 Sample : P4776-03
 Misc : MDL-SOIL-QT4-2024
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Nov 22 23:45:10 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 11/27/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.563	152	89373	20.000	ng/u1	0.00
20) Naphthalene-d8	10.304	136	329931	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.169	164	258130	20.000	ng/u1	-0.02
64) Phenanthrene-d10	16.986	188	630150	20.000	ng/u1	-0.01
79) Chrysene-d12	21.439	240	712229	20.000	ng/u1	0.02
88) Perylene-d12	24.663	264	817314	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.134	96	7925	4.262	ng/uL	0.00
4) Pyridine-d5	3.552	84	65210	11.805	ng/u1	0.00
7) Phenol-d5	6.775	99	81867	12.390	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.916	67	55305	14.246	ng/u1	0.00
11) 2-Chlorophenol-d4	7.111	132	64161	13.258	ng/u1	0.00
15) 4-Methylphenol-d8	8.281	113	63974	11.765	ng/u1	0.00
21) Nitrobenzene-d5	8.710	128	29895	13.015	ng/u1	0.00
24) 2-Nitrophenol-d4	9.422	143	33719	12.314	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.969	165	69927	12.194	ng/u1	0.00
31) 4-Chloroaniline-d4	10.469	131	75016	10.965	ng/u1	0.00
46) Dimethylphthalate-d6	13.593	166	250171	13.447	ng/u1	0.00
49) Acenaphthylene-d8	13.863	160	261283	13.460	ng/u1	-0.01
54) 4-Nitrophenol-d4	14.493	143	35063m	12.541	ng/u1	0.04
60) Fluorene-d10	15.187	176	218203	13.378	ng/u1	-0.02
65) 4,6-Dinitro-2-methylph...	15.363	200	35840	9.494	ng/u1	0.01
73) Anthracene-d10	17.098	188	355979m	13.342	ng/u1	0.00
81) Pyrene-d10	19.486	212	462418	14.096	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.451	264	535686	13.760	ng/u1	0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.170	88	2504m	1.166	ng/uL	
5) Pyridine	3.575	79	22128	3.989	ng/u1#	77
6) Benzaldehyde	6.752	77	18613	4.895	ng/u1	96
8) Phenol	6.805	94	27179	3.939	ng/u1	92
10) Bis(2-Chloroethyl)ether	7.005	93	24260	4.679	ng/u1#	92
12) 2-Chlorophenol	7.152	128	22029	4.385	ng/u1	99
13) 2-Methylphenol	8.022	108	20528	3.986	ng/u1	94
14) 2,2'-oxybis(1-Chloropr...	8.069	45	30036	5.117	ng/u1#	93
16) Acetophenone	8.387	105	37670	4.123	ng/u1	92
17) N-Nitroso-di-n-propyla...	8.358	70	20326	4.455	ng/u1	99
18) 4-Methylphenol	8.352	108	22696	3.990	ng/u1	95
19) Hexachloroethane	8.599	117	11048	4.547	ng/u1	94
22) Nitrobenzene	8.752	77	31083	4.716	ng/u1	97
23) Isophorone	9.263	82	53768	4.563	ng/u1	96
25) 2-Nitrophenol	9.457	139	11854	4.101	ng/u1	95
26) 2,4-Dimethylphenol	9.522	107	23268	3.728	ng/u1	92
27) Bis(2-Chloroethoxy)met...	9.740	93	31195	4.811	ng/u1	98
29) 2,4-Dichlorophenol	9.993	162	22775	4.010	ng/u1	94
30) Naphthalene	10.357	128	74576	4.653	ng/u1	100
32) 4-Chloroaniline	10.493	127	24343	3.673	ng/u1	94
33) Hexachlorobutadiene	10.628	225	22300	4.339	ng/u1	96
34) Caprolactam	11.293	113	6434m	3.808	ng/u1	
35) 4-Chloro-3-methylphenol	11.646	107	22617	3.701	ng/u1	87
36) 2-Methylnaphthalene	11.975	142	52070	4.303	ng/u1	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.199	142	49081	3.968	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.351	216	38346	4.400	ng/ul	98
40) Hexachlorocyclopentadiene	12.304	237	21313	4.656	ng/ul	97
41) 2,4,6-Trichlorophenol	12.622	196	21171m	3.990	ng/ul	
42) 2,4,5-Trichlorophenol	12.716	196	21796m	3.810	ng/ul	
43) 1,1'-Biphenyl	12.998	154	75553	4.568	ng/ul	97
44) 2-Chloronaphthalene	13.040	162	61090	4.518	ng/ul	98
45) 2-Nitroaniline	13.293	65	15445	4.068	ng/ul	97
47) Dimethylphthalate	13.640	163	82534	4.498	ng/ul	98
48) 2,6-Dinitrotoluene	13.775	165	13931	3.903	ng/ul#	87
50) Acenaphthylene	13.893	152	90674	4.621	ng/ul	99
51) 3-Nitroaniline	14.134	138	11038m	3.591	ng/ul	
52) Acenaphthene	14.240	153	62409	4.381	ng/ul	98
53) 2,4-Dinitrophenol	14.381	184	12435	4.910	ng/ul	92
55) 4-Nitrophenol	14.493	109	11297m	3.454	ng/ul	
56) Dibenzofuran	14.592	168	98325	4.467	ng/ul	100
57) 2,4-Dinitrotoluene	14.604	165	22826m	4.013	ng/ul	
58) 2,3,4,6-Tetrachlorophenol	14.834	232	22837	4.084	ng/ul#	92
59) Diethylphthalate	15.028	149	75763	4.175	ng/ul	99
61) Fluorene	15.240	166	78750	4.371	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.245	204	46365	4.371	ng/ul	98
63) 4-Nitroaniline	15.328	138	11502	4.021	ng/ul#	80
66) 4,6-Dinitro-2-methylph...	15.375	198	15305	3.795	ng/ul#	81
67) N-Nitrosodiphenylamine	15.463	169	66674	4.579	ng/ul	96
68) 4-Bromophenyl-phenylether	16.163	248	30606	4.289	ng/ul	93
69) Hexachlorobenzene	16.275	284	39503	4.397	ng/ul	96
70) Atrazine	16.457	200	31372	4.457	ng/ul	94
71) Pentachlorophenol	16.657	266	35632	6.389	ng/ul	97
72) Phenanthrene	17.028	178	134948	4.536	ng/ul	99
74) Anthracene	17.139	178	133379	4.459	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	12.963	216	35855	4.310	ng/uL	95
76) Pentachlorobenzene	14.504	250	39980	4.208	ng/uL	95
77) Carbazole	17.434	167	109873	4.210	ng/ul	98
78) Di-n-butylphthalate	17.998	149	123922	4.279	ng/ul	99
80) Fluoranthene	19.133	202	173354	4.587	ng/ul	99
82) Pyrene	19.516	202	188570	4.644	ng/ul	99
83) Butylbenzylphthalate	20.469	149	56665	4.239	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.357	252	61892	3.871	ng/ul#	95
85) Benzo(a)anthracene	21.422	228	200949	4.621	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.345	149	78893	4.153	ng/ul#	97
87) Chrysene	21.486	228	188814	4.614	ng/ul	97
89) Di-n-octyl phthalate	22.569	149	136408	4.114	ng/ul	100
90) Benzo(b)fluoranthene	23.651	252	207792	4.568	ng/ul	96
91) Benzo(k)fluoranthene	23.721	252	201806	4.506	ng/ul#	97
93) Benzo(a)pyrene	24.515	252	180313	4.385	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.345	276	247946m	4.328	ng/ul	
95) Dibenzo(a,h)anthracene	28.398	278	199599m	4.291	ng/ul	
96) Benzo(g,h,i)perylene	29.462	276	192937m	4.434	ng/ul	

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

