

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112124\
 Data File : BG063506.D
 Acq On : 21 Nov 2024 14:47
 Operator : RC/JU
 Sample : P4776-03
 Misc : MDL-SOIL-QT4-2024
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Nov 22 00:38:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG112024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 20 14:52:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/22/2024
 Supervised By :mohammad ahmed 11/22/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.831	152	89024	20.000	ng/ul	0.00
20) Naphthalene-d8	10.616	136	366718	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.470	164	285724	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.226	188	725599	20.000	ng/ul	0.00
79) Chrysene-d12	21.486	240	855248	20.000	ng/ul	0.00
88) Perylene-d12	24.529	264	914653	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.289	96	7195	3.190	ng/uL	-0.01
4) Pyridine-d5	3.701	84	78716	11.134	ng/ul	0.00
7) Phenol-d5	7.009	99	95763	13.079	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.161	67	63308	13.481	ng/ul	0.00
11) 2-Chlorophenol-d4	7.361	132	71726	13.823	ng/ul	0.00
15) 4-Methylphenol-d8	8.536	113	76267	12.465	ng/ul	0.00
21) Nitrobenzene-d5	8.989	128	32803	12.456	ng/ul	0.00
24) 2-Nitrophenol-d4	9.711	143	40878	12.565	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.252	165	77747	12.520	ng/ul	0.00
31) 4-Chloroaniline-d4	10.763	131	99686	12.692	ng/ul	0.00
46) Dimethylphthalate-d6	13.877	166	259871	13.398	ng/ul	0.00
49) Acenaphthylene-d8	14.165	160	293590	13.273	ng/ul	0.00
54) 4-Nitrophenol-d4	14.694	143	31437	10.908	ng/ul	0.00
60) Fluorene-d10	15.469	176	252800	14.344	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.598	200	48134	11.799	ng/ul	0.00
73) Anthracene-d10	17.326	188	434445	13.782	ng/ul	0.00
81) Pyrene-d10	19.629	212	593934	13.854	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.324	264	612090	13.797	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.330	88	2822m	1.060	ng/uL	
5) Pyridine	3.724	79	24213	3.366	ng/ul	95
6) Benzaldehyde	6.967	77	20206	4.822	ng/ul	98
8) Phenol	7.032	94	32813	4.110	ng/ul#	82
10) Bis(2-Chloroethyl)ether	7.249	93	25054	4.348	ng/ul#	95
12) 2-Chlorophenol	7.396	128	25538	4.611	ng/ul	96
13) 2-Methylphenol	8.278	108	23799	4.006	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.348	45	37239	4.411	ng/ul#	91
16) Acetophenone	8.648	105	39573	4.095	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.630	70	23577	4.365	ng/ul#	96
18) 4-Methylphenol	8.601	108	26311	4.038	ng/ul	86
19) Hexachloroethane	8.900	117	10502	4.391	ng/ul#	77
22) Nitrobenzene	9.030	77	35182	4.355	ng/ul#	94
23) Isophorone	9.547	82	60732	4.117	ng/ul#	93
25) 2-Nitrophenol	9.735	139	15001	4.648	ng/ul#	85
26) 2,4-Dimethylphenol	9.799	107	27356	3.932	ng/ul#	75
27) Bis(2-Chloroethoxy)met...	10.029	93	35947	4.402	ng/ul#	97
29) 2,4-Dichlorophenol	10.275	162	26221	4.322	ng/ul	95
30) Naphthalene	10.669	128	83103	4.433	ng/ul	99
32) 4-Chloroaniline	10.781	127	32580	4.341	ng/ul	92
33) Hexachlorobutadiene	10.957	225	24397	4.508	ng/ul#	88
34) Caprolactam	11.550	113	9898m	4.841	ng/ul	
35) 4-Chloro-3-methylphenol	11.915	107	24954	4.041	ng/ul	90
36) 2-Methylnaphthalene	12.285	142	58933	4.429	ng/ul	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.508	142	56466	4.042	ng/ul#	94
39) 1,2,4,5-Tetrachloroben...	12.661	216	44174	4.400	ng/ul#	92
40) Hexachlorocyclopentadiene	12.637	237	21763	5.082	ng/ul	97
41) 2,4,6-Trichlorophenol	12.908	196	22298	4.047	ng/ul	96
42) 2,4,5-Trichlorophenol	12.984	196	23104m	4.063	ng/ul	
43) 1,1'-Biphenyl	13.301	154	88818	4.684	ng/ul#	95
44) 2-Chloronaphthalene	13.342	162	66982	4.495	ng/ul#	88
45) 2-Nitroaniline	13.554	65	20537	4.373	ng/ul	86
47) Dimethylphthalate	13.924	163	87625	4.637	ng/ul	97
48) 2,6-Dinitrotoluene	14.053	165	16676	4.350	ng/ul	94
50) Acenaphthylene	14.194	152	103233	4.643	ng/ul	95
51) 3-Nitroaniline	14.382	138	16011	4.560	ng/ul#	66
52) Acenaphthene	14.535	153	73388	4.570	ng/ul	91
53) 2,4-Dinitrophenol	14.606	184	7885	4.006	ng/ul#	87
55) 4-Nitrophenol	14.711	109	10260	3.063	ng/ul#	84
56) Dibenzofuran	14.876	168	103538	4.493	ng/ul	97
57) 2,4-Dinitrotoluene	14.846	165	25744	4.388	ng/ul#	93
58) 2,3,4,6-Tetrachlorophenol	15.105	232	18779	3.476	ng/ul#	92
59) Diethylphthalate	15.293	149	86684	4.541	ng/ul	98
61) Fluorene	15.522	166	89638	4.570	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.516	204	52698	4.503	ng/ul	95
63) 4-Nitroaniline	15.546	138	17172	4.777	ng/ul	89
66) 4,6-Dinitro-2-methylph...	15.616	198	16860	3.868	ng/ul#	95
67) N-Nitrosodiphenylamine	15.734	169	76523	4.442	ng/ul	97
68) 4-Bromophenyl-phenylether	16.415	248	36416	4.479	ng/ul#	86
69) Hexachlorobenzene	16.533	284	38836	4.556	ng/ul#	91
70) Atrazine	16.685	200	38209	4.591	ng/ul	92
71) Pentachlorophenol	16.891	266	18702	4.692	ng/ul	90
72) Phenanthrene	17.267	178	162151	4.688	ng/ul	99
74) Anthracene	17.361	178	163556	4.631	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.272	216	40230	3.810	ng/ul	99
76) Pentachlorobenzene	14.799	250	39719	3.810	ng/ul	93
77) Carbazole	17.631	167	137124	4.679	ng/ul	98
78) Di-n-butylphthalate	18.195	149	151041	4.496	ng/ul	97
80) Fluoranthene	19.294	202	217717	4.593	ng/ul	99
82) Pyrene	19.653	202	233453	4.596	ng/ul	97
83) Butylbenzylphthalate	20.551	149	71296	4.325	ng/ul	91
84) 3,3'-Dichlorobenzidine	21.392	252	90393	4.920	ng/ul	98
85) Benzo(a)anthracene	21.468	228	250467	4.529	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.386	149	106910	4.462	ng/ul	98
87) Chrysene	21.533	228	248058	4.797	ng/ul	98
89) Di-n-octyl phthalate	22.532	149	182055	4.486	ng/ul	100
90) Benzo(b)fluoranthene	23.566	252	260183	4.738	ng/ul	97
91) Benzo(k)fluoranthene	23.630	252	251848	4.570	ng/ul	98
93) Benzo(a)pyrene	24.382	252	224070	4.360	ng/ul	94
94) Indeno(1,2,3-cd)pyrene	27.955	276	282444	4.431	ng/ul	98
95) Dibenzo(a,h)anthracene	28.013	278	231249	4.437	ng/ul#	95
96) Benzo(g,h,i)perylene	29.036	276	213798m	4.423	ng/ul	

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

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