

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013025\
 Data File : BP023814.D
 Acq On : 31 Jan 2025 01:52
 Operator : RC/JU
 Sample : Q1197-03MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E2964MSD

Quant Time: Jan 31 08:42:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP012925.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 31 08:09:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut
 Upadhyay
 01/31/2025

Supervised By :mohammad
 ahmed
 02/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	589706	20.000	ng/u1	0.02
20) Naphthalene-d8	10.569	136	2169735	20.000	ng/u1	0.02
38) Acenaphthene-d10	14.422	164	1728001	20.000	ng/u1	0.02
64) Phenanthrene-d10	17.210	188	3157139	20.000	ng/u1	0.00
79) Chrysene-d12	21.651	240	3324169	20.000	ng/u1	0.00
88) Perylene-d12	25.033	264	3600050	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	73450	5.175	ng/uL	0.01
4) Pyridine-d5	3.723	84	311752	7.612	ng/u1	0.03
7) Phenol-d5	6.987	99	635134	12.170	ng/u1	0.04
9) Bis-(2-Chloroethyl)eth...	7.128	67	971695	35.176	ng/u1	0.03
11) 2-Chlorophenol-d4	7.334	132	1458150	35.581	ng/u1	0.02
15) 4-Methylphenol-d8	8.505	113	1091595	25.605	ng/u1	0.04
21) Nitrobenzene-d5	8.934	128	776392	44.725	ng/u1	0.02
24) 2-Nitrophenol-d4	9.652	143	792154	42.291	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.205	165	1618376	47.098	ng/u1	0.03
31) 4-Chloroaniline-d4	10.722	131	1598409	31.104	ng/u1	0.04
46) Dimethylphthalate-d6	13.834	166	4341559	33.684	ng/u1	0.03
49) Acenaphthylene-d8	14.110	160	5382913	37.029	ng/u1	0.02
54) 4-Nitrophenol-d4	14.663	143	361176	14.110	ng/u1	0.04
60) Fluorene-d10	15.428	176	4093926	37.717	ng/u1	0.02
65) 4,6-Dinitro-2-methylph...	15.545	200	872916	44.817	ng/u1	0.01
73) Anthracene-d10	17.310	188	6480287	41.804	ng/u1	0.00
81) Pyrene-d10	19.675	212	7212182	40.492	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.804	264	8071752	42.973	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.334	88	91224	6.112	ng/uL#	69
5) Pyridine	3.740	79	339308	8.275	ng/u1	98
6) Benzaldehyde	6.934	77	359547	14.037	ng/u1	99
8) Phenol	7.016	94	12557649	234.342	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.216	93	1439309	35.284	ng/u1	99
12) 2-Chlorophenol	7.369	128	1519553	35.991	ng/u1	99
13) 2-Methylphenol	8.246	108	1347653	33.424	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.305	45	1457539	34.633	ng/u1	100
16) Acetophenone	8.611	105	2418571	37.111	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.616	70	1125314	36.669	ng/u1	97
18) 4-Methylphenol	8.575	108	3782819	84.560	ng/u1	95
19) Hexachloroethane	8.858	117	548295	32.843	ng/u1	99
22) Nitrobenzene	8.981	77	1591457	42.245	ng/u1	98
23) Isophorone	9.599	82	2988971m	39.295	ng/u1	
25) 2-Nitrophenol	9.681	139	771740	37.773	ng/u1	98
26) 2,4-Dimethylphenol	9.763	107	13622541m	360.246	ng/u1	
27) Bis(2-Chloroethoxy)met...	9.981	93	1971796	41.616	ng/u1	99
29) 2,4-Dichlorophenol	10.234	162	1586895	45.540	ng/u1	98
30) Naphthalene	10.622	128	6696417	57.658	ng/u1	100
32) 4-Chloroaniline	10.752	127	1798159	37.077	ng/u1	99
33) Hexachlorobutadiene	10.910	225	869087	41.197	ng/u1	99
34) Caprolactam	11.546	113	817231m	60.536	ng/u1	
35) 4-Chloro-3-methylphenol	11.893	107	697304m	18.615	ng/u1	
36) 2-Methylnaphthalene	12.234	142	3713571	45.476	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.446	142	3745026	46.229	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.599	216	1849176	36.198	ng/ul	99
41) 2,4,6-Trichlorophenol	12.851	196	1368726	40.112	ng/ul	98
42) 2,4,5-Trichlorophenol	12.922	196	1496142	40.678	ng/ul	100
43) 1,1'-Biphenyl	13.240	154	4548991	35.465	ng/ul	99
44) 2-Chloronaphthalene	13.281	162	2516413	25.178	ng/ul#	40
45) 2-Nitroaniline	13.493	65	1015964	39.058	ng/ul	99
47) Dimethylphthalate	13.881	163	4342240	33.859	ng/ul	99
48) 2,6-Dinitrotoluene	13.987	165	1032306	41.189	ng/ul	95
50) Acenaphthylene	14.140	152	5677102	36.671	ng/ul	98
51) 3-Nitroaniline	14.316	138	786269	28.546	ng/ul	98
52) Acenaphthene	14.487	153	4058276	36.973	ng/ul	100
53) 2,4-Dinitrophenol	14.528	184	654503	43.804	ng/ul	95
55) 4-Nitrophenol	14.681	109	255486	14.108	ng/ul	90
56) Dibenzofuran	14.822	168	5659253	37.209	ng/ul	99
57) 2,4-Dinitrotoluene	14.787	165	1444423	38.747	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.057	232	1284108	41.029	ng/ul#	95
59) Diethylphthalate	15.251	149	5491627	42.741	ng/ul	97
61) Fluorene	15.487	166	4604479	36.493	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.475	204	2312395	37.023	ng/ul	98
63) 4-Nitroaniline	15.504	138	1013355	37.815	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.563	198	935249	43.675	ng/ul#	90
67) N-Nitrosodiphenylamine	15.687	169	3988524	41.394	ng/ul	99
68) 4-Bromophenyl-phenylether	16.381	248	1500659	42.130	ng/ul	98
69) Hexachlorobenzene	16.504	284	1760200	40.785	ng/ul	98
70) Atrazine	16.716	200	573877	15.380	ng/ul	97
71) Pentachlorophenol	16.863	266	1313100	49.464	ng/ul	99
72) Phenanthrene	17.251	178	7412234	41.573	ng/ul	98
74) Anthracene	17.345	178	7403918	41.178	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.204	216	1857175	40.171	ng/uL	99
76) Pentachlorobenzene	14.740	250	1964369	39.428	ng/uL	99
77) Carbazole	17.634	167	7375237	46.821	ng/ul	98
78) Di-n-butylphthalate	18.216	149	8661380	44.426	ng/ul	98
80) Fluoranthene	19.328	202	8482593	41.346	ng/ul	100
82) Pyrene	19.704	202	8798997	41.012	ng/ul	98
83) Butylbenzylphthalate	20.651	149	3894686	42.154	ng/ul	96
85) Benzo(a)anthracene	21.633	228	8969900	41.035	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.569	149	5766454	42.776	ng/ul	98
87) Chrysene	21.704	228	8259962	41.010	ng/ul	97
89) Di-n-octyl phthalate	22.863	149	9874230	45.755	ng/ul	100
90) Benzo(b)fluoranthene	23.963	252	9001421	41.207	ng/ul	99
91) Benzo(k)fluoranthene	24.033	252	9113948	41.618	ng/ul	99
93) Benzo(a)pyrene	24.868	252	8363320	40.997	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.868	276	11195431m	42.339	ng/ul	
95) Dibenzo(a,h)anthracene	28.956	278	9105209	42.449	ng/ul	98
96) Benzo(g,h,i)perylene	30.086	276	8504706	41.991	ng/ul	97

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

