

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP013025\
 Data File : BP023813.D
 Acq On : 31 Jan 2025 01:11
 Operator : RC/JU
 Sample : Q1197-02MS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E2964MS

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay
 01/31/2025

Supervised By :mohammad
 ahmed
 02/04/2025

Quant Time: Jan 31 08:40:23 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.787	152	561036	20.000	ng/u1	0.02
20) Naphthalene-d8	10.563	136	2132656	20.000	ng/u1	0.02
38) Acenaphthene-d10	14.410	164	1605441	20.000	ng/u1	0.01
64) Phenanthrene-d10	17.198	188	2865136	20.000	ng/u1	-0.01
79) Chrysene-d12	21.645	240	2969450	20.000	ng/u1	0.00
88) Perylene-d12	25.021	264	3248932	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	68970	5.108	ng/uL	0.01
4) Pyridine-d5	3.717	84	316978	8.135	ng/u1	0.02
7) Phenol-d5	6.981	99	579661	11.675	ng/u1	0.04
9) Bis-(2-Chloroethyl)eth...	7.122	67	892727	33.969	ng/u1	0.02
11) 2-Chlorophenol-d4	7.334	132	1316482	33.766	ng/u1	0.02
15) 4-Methylphenol-d8	8.499	113	987953	24.359	ng/u1	0.03
21) Nitrobenzene-d5	8.934	128	703488	41.230	ng/u1	0.02
24) 2-Nitrophenol-d4	9.652	143	716488	38.916	ng/u1	0.02
28) 2,4-Dichlorophenol-d3	10.199	165	1461482	43.271	ng/u1	0.02
31) 4-Chloroaniline-d4	10.722	131	1458868	28.882	ng/u1	0.04
46) Dimethylphthalate-d6	13.822	166	3825526	31.946	ng/u1	0.02
49) Acenaphthylene-d8	14.098	160	4887491	36.187	ng/u1	0.00
54) 4-Nitrophenol-d4	14.645	143	296002	12.447	ng/u1	0.02
60) Fluorene-d10	15.410	176	3618991	35.887	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.528	200	740478	41.892	ng/u1	0.00
73) Anthracene-d10	17.298	188	5646750	40.139	ng/u1	-0.02
81) Pyrene-d10	19.669	212	6339377	39.843	ng/u1	-0.01
92) Benzo(a)pyrene-d12	24.792	264	6960533	41.062	ng/u1	0.00
Target Compounds						
2) 1,4-Dioxane	3.334	88	83579	5.886	ng/uL#	71
5) Pyridine	3.734	79	341983	8.767	ng/u1	97
6) Benzaldehyde	6.934	77	346796	14.231	ng/u1	98
8) Phenol	7.011	94	11498387	225.540	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.216	93	1317130	33.939	ng/u1	98
12) 2-Chlorophenol	7.364	128	1383906	34.453	ng/u1	99
13) 2-Methylphenol	8.240	108	1240115	32.328	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.305	45	1313253	32.800	ng/u1	100
16) Acetophenone	8.605	105	2197192	35.437	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.616	70	1014561	34.749	ng/u1	98
18) 4-Methylphenol	8.569	108	3456409	81.212	ng/u1	96
19) Hexachloroethane	8.858	117	492215	30.990	ng/u1	100
22) Nitrobenzene	8.975	77	1455882	39.318	ng/u1	99
23) Isophorone	9.593	82	2650763m	35.455	ng/u1	
25) 2-Nitrophenol	9.681	139	744023	37.050	ng/u1	99
26) 2,4-Dimethylphenol	9.793	107	12541867m	337.434	ng/u1	
27) Bis(2-Chloroethoxy)met...	9.981	93	1783362	38.294	ng/u1	98
29) 2,4-Dichlorophenol	10.222	162	1439353	42.024	ng/u1	97
30) Naphthalene	10.616	128	6155066	53.918	ng/u1	99
32) 4-Chloroaniline	10.746	127	1589594	33.347	ng/u1	99
33) Hexachlorobutadiene	10.905	225	780848	37.658	ng/u1	99
34) Caprolactam	11.528	113	729016m	54.940	ng/u1	
35) 4-Chloro-3-methylphenol	11.887	107	713691m	19.384	ng/u1	
36) 2-Methylnaphthalene	12.228	142	3341353	41.629	ng/u1	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.446	142	3364095	42.249	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.593	216	1661679	35.011	ng/ul	100
41) 2,4,6-Trichlorophenol	12.840	196	1228594	38.753	ng/ul	99
42) 2,4,5-Trichlorophenol	12.922	196	1319311	38.609	ng/ul	99
43) 1,1'-Biphenyl	13.234	154	4140834	34.747	ng/ul	99
44) 2-Chloronaphthalene	13.281	162	2496073	26.881	ng/ul#	73
45) 2-Nitroaniline	13.487	65	898496	37.179	ng/ul	98
47) Dimethylphthalate	13.869	163	3812598	31.999	ng/ul	99
48) 2,6-Dinitrotoluene	13.975	165	915083	39.299	ng/ul	98
50) Acenaphthylene	14.128	152	5095886	35.429	ng/ul	99
51) 3-Nitroaniline	14.310	138	742160	29.002	ng/ul	96
52) Acenaphthene	14.475	153	3661891	35.909	ng/ul	100
53) 2,4-Dinitrophenol	14.516	184	559348	40.294	ng/ul	94
55) 4-Nitrophenol	14.657	109	221386	13.158	ng/ul	93
56) Dibenzofuran	14.810	168	4953654	35.056	ng/ul	100
57) 2,4-Dinitrotoluene	14.769	165	1265191	36.530	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.045	232	1125874	38.719	ng/ul#	94
59) Diethylphthalate	15.245	149	4703294	39.400	ng/ul	99
61) Fluorene	15.469	166	4093233	34.918	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.463	204	2048840	35.308	ng/ul	98
63) 4-Nitroaniline	15.487	138	896854	36.022	ng/ul	99
66) 4,6-Dinitro-2-methylph...	15.545	198	808307	41.594	ng/ul	92
67) N-Nitrosodiphenylamine	15.681	169	3448796	39.441	ng/ul	99
68) 4-Bromophenyl-phenylether	16.369	248	1314116	40.653	ng/ul	99
69) Hexachlorobenzene	16.487	284	1537175	39.247	ng/ul	100
70) Atrazine	16.692	200	519176	15.332	ng/ul	97
71) Pentachlorophenol	16.851	266	1129799	46.897	ng/ul	99
72) Phenanthrene	17.245	178	6416775	39.658	ng/ul	99
74) Anthracene	17.334	178	6456673	39.570	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.204	216	1670674	39.820	ng/uL	99
76) Pentachlorobenzene	14.728	250	1727704	38.212	ng/uL	99
77) Carbazole	17.616	167	6472268	45.276	ng/ul	98
78) Di-n-butylphthalate	18.210	149	7209175	40.746	ng/ul	99
80) Fluoranthene	19.322	202	7288275	39.768	ng/ul	99
82) Pyrene	19.698	202	7593322	39.620	ng/ul	98
83) Butylbenzylphthalate	20.651	149	3365868	40.782	ng/ul	94
85) Benzo(a)anthracene	21.622	228	7784099	39.865	ng/ul	98
86) Bis(2-ethylhexyl)phtha...	21.569	149	4831460	40.122	ng/ul	98
87) Chrysene	21.692	228	7193562	39.982	ng/ul	98
89) Di-n-octyl phthalate	22.869	149	8270857	42.467	ng/ul	100
90) Benzo(b)fluoranthene	23.951	252	7910113	40.125	ng/ul	99
91) Benzo(k)fluoranthene	24.027	252	7919751	40.073	ng/ul	99
93) Benzo(a)pyrene	24.863	252	7375010	40.060	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.874	276	9595489m	40.210	ng/ul	
95) Dibenzo(a,h)anthracene	28.968	278	7848035m	40.542	ng/ul	
96) Benzo(g,h,i)perylene	30.080	276	7469808m	40.867	ng/ul	

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

